



BARGE "GBL 3230"

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	00-0/8	- 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 = 5'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 3 PORT IS 00-0/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED INNAGE IS 4'-00"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

October 25, 2012

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

<http://www.pmacorp.net>



BARGE "GBL 3230"

1 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	544	0	12,970	0	27,729	0	42,758	0	57,788	0	72,804	0	87,826	0	102,856	0	117,881	0	132,903
1/4	712	1/4	13,263	1/4	28,042	1/4	43,072	1/4	58,101	1/4	73,117	1/4	88,139	1/4	103,169	1/4	118,194	1/4	133,216
1/2	880	1/2	13,555	1/2	28,355	1/2	43,385	1/2	58,414	1/2	73,429	1/2	88,452	1/2	103,482	1/2	118,507	1/2	133,529
3/4	1,048	3/4	13,847	3/4	28,668	3/4	43,698	3/4	58,727	3/4	73,742	3/4	88,765	3/4	103,795	3/4	118,820	3/4	133,842
1	1,216	1	14,140	1	28,982	1	44,011	1	59,040	1	74,054	1	89,078	1	104,108	1	119,133	1	134,155
1/4	1,445	1/4	14,436	1/4	29,295	1/4	44,324	1/4	59,353	1/4	74,367	1/4	89,391	1/4	104,421	1/4	119,446	1/4	134,468
1/2	1,674	1/2	14,732	1/2	29,608	1/2	44,637	1/2	59,667	1/2	74,679	1/2	89,705	1/2	104,734	1/2	119,759	1/2	134,781
3/4	1,904	3/4	15,028	3/4	29,921	3/4	44,950	3/4	59,980	3/4	74,992	3/4	90,018	3/4	105,047	3/4	120,072	3/4	135,094
2	2,133	2	15,325	2	30,234	2	45,263	2	60,293	2	75,304	2	90,331	2	105,361	2	120,384	2	135,407
1/4	2,386	1/4	15,625	1/4	30,547	1/4	45,576	1/4	60,606	1/4	75,617	1/4	90,644	1/4	105,674	1/4	120,697	1/4	135,720
1/2	2,638	1/2	15,925	1/2	30,860	1/2	45,890	1/2	60,919	1/2	75,930	1/2	90,957	1/2	105,987	1/2	121,010	1/2	136,033
3/4	2,891	3/4	16,225	3/4	31,173	3/4	46,203	3/4	61,232	3/4	76,242	3/4	91,270	3/4	106,300	3/4	121,323	3/4	136,346
3	3,144	3	16,525	3	31,486	3	46,516	3	61,545	3	76,555	3	91,583	3	106,613	3	121,636	3	136,659
1/4	3,401	1/4	16,829	1/4	31,800	1/4	46,829	1/4	61,858	1/4	76,868	1/4	91,896	1/4	106,926	1/4	121,949	1/4	136,972
1/2	3,659	1/2	17,133	1/2	32,113	1/2	47,142	1/2	62,171	1/2	77,181	1/2	92,210	1/2	107,239	1/2	122,262	1/2	137,285
3/4	3,916	3/4	17,437	3/4	32,426	3/4	47,455	3/4	62,485	3/4	77,493	3/4	92,523	3/4	107,552	3/4	122,575	3/4	137,598
4	4,173	4	17,740	4	32,739	4	47,768	4	62,798	4	77,806	4	92,836	4	107,866	4	122,888	4	137,911
1/4	4,435	1/4	18,048	1/4	33,052	1/4	48,081	1/4	63,111	1/4	78,119	1/4	93,149	1/4	108,179	1/4	123,201	1/4	138,224
1/2	4,696	1/2	18,356	1/2	33,365	1/2	48,394	1/2	63,424	1/2	78,432	1/2	93,462	1/2	108,492	1/2	123,514	1/2	138,537
3/4	4,957	3/4	18,664	3/4	33,678	3/4	48,708	3/4	63,737	3/4	78,745	3/4	93,775	3/4	108,805	3/4	123,827	3/4	138,850
5	5,219	5	18,972	5	33,991	5	49,021	5	64,050	5	79,058	5	94,088	5	109,118	5	124,140	5	139,163
1/4	5,484	1/4	19,283	1/4	34,304	1/4	49,334	1/4	64,363	1/4	79,372	1/4	94,401	1/4	109,431	1/4	124,453	1/4	139,476
1/2	5,749	1/2	19,594	1/2	34,618	1/2	49,647	1/2	64,676	1/2	79,685	1/2	94,714	1/2	109,744	1/2	124,766	1/2	139,789
3/4	6,014	3/4	19,905	3/4	34,931	3/4	49,960	3/4	64,989	3/4	79,998	3/4	95,028	3/4	110,057	3/4	125,079	3/4	140,101
6	6,280	6	20,216	6	35,244	6	50,273	6	65,302	6	80,311	6	95,341	6	110,370	6	125,392	6	140,414
1/4	6,549	1/4	20,529	1/4	35,557	1/4	50,586	1/4	65,615	1/4	80,624	1/4	95,654	1/4	110,682	1/4	125,705	1/4	140,727
1/2	6,818	1/2	20,841	1/2	35,870	1/2	50,899	1/2	65,928	1/2	80,937	1/2	95,967	1/2	110,995	1/2	126,018	1/2	141,040
3/4	7,087	3/4	21,154	3/4	36,183	3/4	51,212	3/4	66,240	3/4	81,250	3/4	96,280	3/4	111,308	3/4	126,331	3/4	141,353
7	7,356	7	21,467	7	36,496	7	51,526	7	66,553	7	81,563	7	96,593	7	111,621	7	126,644	7	141,666
1/4	7,629	1/4	21,780	1/4	36,809	1/4	51,839	1/4	66,866	1/4	81,877	1/4	96,906	1/4	111,934	1/4	126,957	1/4	141,979
1/2	7,902	1/2	22,093	1/2	37,122	1/2	52,152	1/2	67,178	1/2	82,190	1/2	97,219	1/2	112,247	1/2	127,270	1/2	142,292
3/4	8,175	3/4	22,406	3/4	37,436	3/4	52,465	3/4	67,491	3/4	82,503	3/4	97,533	3/4	112,560	3/4	127,583	3/4	142,605
8	8,448	8	22,719	8	37,749	8	52,778	8	67,803	8	82,816	8	97,846	8	112,873	8	127,896	8	142,918
1/4	8,725	1/4	23,032	1/4	38,062	1/4	53,091	1/4	68,116	1/4	83,129	1/4	98,159	1/4	113,186	1/4	128,209	1/4	143,231
1/2	9,002	1/2	23,346	1/2	38,375	1/2	53,404	1/2	68,429	1/2	83,442	1/2	98,472	1/2	113,499	1/2	128,522	1/2	143,544
3/4	9,279	3/4	23,659	3/4	38,688	3/4	53,717	3/4	68,741	3/4	83,755	3/4	98,785	3/4	113,812	3/4	128,835	3/4	143,857
9	9,555	9	23,972	9	39,001	9	54,030	9	69,054	9	84,068	9	99,098	9	114,125	9	129,148	9	144,170
1/4	9,836	1/4	24,285	1/4	39,314	1/4	54,344	1/4	69,366	1/4	84,381	1/4	99,411	1/4	114,438	1/4	129,461	1/4	144,483
1/2	10,117	1/2	24,598	1/2	39,627	1/2	54,657	1/2	69,679	1/2	84,695	1/2	99,724	1/2	114,751	1/2	129,774	1/2	144,796
3/4	10,398	3/4	24,911	3/4	39,940	3/4	54,970	3/4	69,991	3/4	85,008	3/4	100,038	3/4	115,064	3/4	130,087	3/4	145,109
10	10,678	10	25,224	10	40,254	10	55,283	10	70,304	10	85,321	10	100,351	10	115,377	10	130,399	10	145,422
1/4	10,963	1/4	25,537	1/4	40,567	1/4	55,596	1/4	70,616	1/4	85,634	1/4	100,664	1/4	115,690	1/4	130,712	1/4	145,735
1/2	11,247	1/2	25,850	1/2	40,880	1/2	55,909	1/2	70,929	1/2	85,947	1/2	100,977	1/2	116,003	1/2	131,025	1/2	146,048
3/4	11,532	3/4	26,164	3/4	41,193	3/4	56,222	3/4	71,241	3/4	86,260	3/4	101,290	3/4	116,316	3/4	131,338	3/4	146,361
11	11,817	11	26,477	11	41,506	11	56,535	11	71,554	11	86,573	11	101,603	11	116,629	11	131,651	11	146,674
1/4	12,105	1/4	26,790	1/4	41,819	1/4	56,849	1/4	71,866	1/4	86,886	1/4	101,916	1/4	116,942	1/4	131,964	1/4	146,987
1/2	12,394	1/2	27,103	1/2	42,132	1/2	57,162	1/2	72,179	1/2	87,200	1/2	102,229	1/2	117,255	1/2	132,277	1/2	147,300
3/4	12,682	3/4	27,416	3/4	42,445	3/4	57,475	3/4	72,492	3/4	87,513	3/4	102,542	3/4	117,568	3/4	132,590	3/4	147,613

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 3230"

1 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	147,926	0	162,948	0	177,968	0	192,947	0	207,838	0		0		0		0		0	
1/4	148,239	1/4	163,261	1/4	178,280	1/4	193,259	1/4	208,133	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	148,552	1/2	163,574	1/2	178,592	1/2	193,571	1/2	208,429	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	148,865	3/4	163,887	3/4	178,905	3/4	193,883	3/4	208,724	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	149,178	1	164,200	1	179,217	1	194,195	1	209,019	1	1	1	1	1	1	1	1	1	1
1/4	149,491	1/4	164,513	1/4	179,529	1/4	194,507	1/4	209,279	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,804	1/2	164,826	1/2	179,841	1/2	194,819	1/2	209,539	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,116	3/4	165,139	3/4	180,153	3/4	195,131	3/4	209,798	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	150,429	2	165,452	2	180,465	2	195,444	2	210,058	2	2	2	2	2	2	2	2	2	2
1/4	150,742	1/4	165,765	1/4	180,777	1/4	195,754	1/4	210,273	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,055	1/2	166,078	1/2	181,089	1/2	196,065	1/2	210,488	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,368	3/4	166,391	3/4	181,401	3/4	196,376	3/4	210,703	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	151,681	3	166,704	3	181,713	3	196,686	3	210,918	3	3	3	3	3	3	3	3	3	3
1/4	151,994	1/4	167,017	1/4	182,025	1/4	196,996	1/4	211,088	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,307	1/2	167,330	1/2	182,337	1/2	197,306	1/2	211,258	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	167,643	3/4	182,649	3/4	197,616	3/4	211,428	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	152,933	4	167,956	4	182,961	4	197,926	4	211,598	4	4	4	4	4	4	4	4	4	4
1/4	153,246	1/4	168,269	1/4	183,273	1/4	198,236	1/4	211,768	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,559	1/2	168,582	1/2	183,585	1/2	198,546	1/2	211,938	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,872	3/4	168,895	3/4	183,897	3/4	198,855	3/4	212,108	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	154,185	5	169,208	5	184,209	5	199,165	5	212,278	5	5	5	5	5	5	5	5	5	5
1/4	154,498	1/4	169,520	1/4	184,522	1/4	199,475	1/4	212,448	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,811	1/2	169,833	1/2	184,834	1/2	199,785	1/2	212,618	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,124	3/4	170,146	3/4	185,146	3/4	200,095	3/4	212,788	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	155,437	6	170,459	6	185,458	6	200,405	6	212,958	6	6	6	6	6	6	6	6	6	6
1/4	155,750	1/4	170,772	1/4	185,770	1/4	200,715	1/4	213,128	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,063	1/2	171,085	1/2	186,082	1/2	201,024	1/2	213,298	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,376	3/4	171,398	3/4	186,394	3/4	201,334	3/4	213,468	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	156,689	7	171,711	7	186,706	7	201,644	7	213,638	7	7	7	7	7	7	7	7	7	7
1/4	157,002	1/4	172,024	1/4	187,018	1/4	201,954	1/4	213,808	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,315	1/2	172,337	1/2	187,330	1/2	202,264	1/2	213,978	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,628	3/4	172,650	3/4	187,642	3/4	202,574	3/4	214,148	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	157,941	8	172,963	8	187,954	8	202,884	8	214,318	8	8	8	8	8	8	8	8	8	8
1/4	158,254	1/4	173,276	1/4	188,266	1/4	203,194	1/4	214,488	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,567	1/2	173,589	1/2	188,578	1/2	203,503	1/2	214,658	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,880	3/4	173,902	3/4	188,890	3/4	203,813	3/4	214,828	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	159,193	9	174,215	9	189,202	9	204,123	9	214,998	9	9	9	9	9	9	9	9	9	9
1/4	159,506	1/4	174,528	1/4	189,514	1/4	204,433	1/4	215,168	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,818	1/2	174,841	1/2	189,827	1/2	204,743	1/2	215,338	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,131	3/4	175,154	3/4	190,139	3/4	205,053	3/4	215,508	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	160,444	10	175,467	10	190,451	10	205,363	10	215,678	10	10	10	10	10	10	10	10	10	10
1/4	160,757	1/4	175,780	1/4	190,763	1/4	205,673	1/4	215,848	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,070	1/2	176,093	1/2	191,075	1/2	205,982	1/2	216,018	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,383	3/4	176,406	3/4	191,387	3/4	206,292	3/4	216,188	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	161,696	11	176,719	11	191,699	11	206,602	11	216,358	11	11	11	11	11	11	11	11	11	11
1/4	162,009	1/4	177,031	1/4	192,011	1/4	206,911	1/4	216,528	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,322	1/2	177,344	1/2	192,323	1/2	207,220	1/2	216,698	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,635	3/4	177,656	3/4	192,635	3/4	207,529	3/4	216,868	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2012 CL - SW
CALCULATED: 10/25/2012 CL
PRINTED: 10/25/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "GBL 3230"

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	12,977	0	27,745	0	42,783	0	57,822	0	72,797	0	87,798	0	102,837	0	117,872	0	132,903
1/4	712	1/4	13,270	1/4	28,058	1/4	43,097	1/4	58,135	1/4	73,108	1/4	88,112	1/4	103,151	1/4	118,185	1/4	133,216
1/2	880	1/2	13,562	1/2	28,371	1/2	43,410	1/2	58,448	1/2	73,419	1/2	88,425	1/2	103,464	1/2	118,498	1/2	133,529
3/4	1,048	3/4	13,855	3/4	28,685	3/4	43,723	3/4	58,762	3/4	73,730	3/4	88,738	3/4	103,777	3/4	118,811	3/4	133,843
1	1,216	1	14,147	1	28,998	1	44,036	1	59,075	1	74,041	1	89,052	1	104,091	1	119,124	1	134,156
1/4	1,446	1/4	14,444	1/4	29,311	1/4	44,350	1/4	59,388	1/4	74,352	1/4	89,365	1/4	104,404	1/4	119,437	1/4	134,469
1/2	1,675	1/2	14,740	1/2	29,625	1/2	44,663	1/2	59,702	1/2	74,663	1/2	89,678	1/2	104,717	1/2	119,751	1/2	134,782
3/4	1,904	3/4	15,036	3/4	29,938	3/4	44,976	3/4	60,015	3/4	74,974	3/4	89,992	3/4	105,031	3/4	120,064	3/4	135,095
2	2,134	2	15,333	2	30,251	2	45,290	2	60,328	2	75,285	2	90,305	2	105,344	2	120,377	2	135,408
1/4	2,387	1/4	15,633	1/4	30,564	1/4	45,603	1/4	60,641	1/4	75,596	1/4	90,618	1/4	105,657	1/4	120,690	1/4	135,722
1/2	2,640	1/2	15,933	1/2	30,878	1/2	45,916	1/2	60,955	1/2	75,907	1/2	90,932	1/2	105,970	1/2	121,003	1/2	136,035
3/4	2,893	3/4	16,233	3/4	31,191	3/4	46,230	3/4	61,268	3/4	76,218	3/4	91,245	3/4	106,284	3/4	121,316	3/4	136,348
3	3,145	3	16,534	3	31,504	3	46,543	3	61,581	3	76,529	3	91,558	3	106,597	3	121,629	3	136,661
1/4	3,403	1/4	16,838	1/4	31,818	1/4	46,856	1/4	61,894	1/4	76,840	1/4	91,871	1/4	106,910	1/4	121,943	1/4	136,974
1/2	3,660	1/2	17,142	1/2	32,131	1/2	47,169	1/2	62,207	1/2	77,152	1/2	92,185	1/2	107,224	1/2	122,256	1/2	137,287
3/4	3,918	3/4	17,446	3/4	32,444	3/4	47,483	3/4	62,520	3/4	77,463	3/4	92,498	3/4	107,537	3/4	122,569	3/4	137,601
4	4,175	4	17,750	4	32,758	4	47,796	4	62,833	4	77,775	4	92,811	4	107,850	4	122,882	4	137,914
1/4	4,437	1/4	18,058	1/4	33,071	1/4	48,109	1/4	63,146	1/4	78,087	1/4	93,125	1/4	108,164	1/4	123,195	1/4	138,227
1/2	4,698	1/2	18,366	1/2	33,384	1/2	48,423	1/2	63,458	1/2	78,400	1/2	93,438	1/2	108,477	1/2	123,508	1/2	138,540
3/4	4,960	3/4	18,674	3/4	33,697	3/4	48,736	3/4	63,771	3/4	78,713	3/4	93,751	3/4	108,790	3/4	123,822	3/4	138,853
5	5,221	5	18,982	5	34,011	5	49,049	5	64,083	5	79,026	5	94,065	5	109,103	5	124,135	5	139,166
1/4	5,487	1/4	19,293	1/4	34,324	1/4	49,363	1/4	64,396	1/4	79,339	1/4	94,378	1/4	109,416	1/4	124,448	1/4	139,480
1/2	5,752	1/2	19,604	1/2	34,637	1/2	49,676	1/2	64,708	1/2	79,652	1/2	94,691	1/2	109,729	1/2	124,761	1/2	139,793
3/4	6,017	3/4	19,916	3/4	34,951	3/4	49,989	3/4	65,020	3/4	79,966	3/4	95,005	3/4	110,043	3/4	125,074	3/4	140,106
6	6,283	6	20,227	6	35,264	6	50,302	6	65,332	6	80,279	6	95,318	6	110,356	6	125,387	6	140,419
1/4	6,552	1/4	20,540	1/4	35,577	1/4	50,616	1/4	65,644	1/4	80,592	1/4	95,631	1/4	110,669	1/4	125,701	1/4	140,732
1/2	6,821	1/2	20,853	1/2	35,891	1/2	50,929	1/2	65,955	1/2	80,906	1/2	95,944	1/2	110,982	1/2	126,014	1/2	141,045
3/4	7,091	3/4	21,166	3/4	36,204	3/4	51,242	3/4	66,267	3/4	81,219	3/4	96,258	3/4	111,295	3/4	126,327	3/4	141,358
7	7,360	7	21,479	7	36,517	7	51,556	7	66,578	7	81,532	7	96,571	7	111,608	7	126,640	7	141,672
1/4	7,633	1/4	21,792	1/4	36,830	1/4	51,869	1/4	66,889	1/4	81,846	1/4	96,884	1/4	111,922	1/4	126,953	1/4	141,985
1/2	7,906	1/2	22,105	1/2	37,144	1/2	52,182	1/2	67,200	1/2	82,159	1/2	97,198	1/2	112,235	1/2	127,266	1/2	142,298
3/4	8,179	3/4	22,419	3/4	37,457	3/4	52,496	3/4	67,511	3/4	82,472	3/4	97,511	3/4	112,548	3/4	127,579	3/4	142,611
8	8,452	8	22,732	8	37,770	8	52,809	8	67,822	8	82,785	8	97,824	8	112,861	8	127,893	8	142,924
1/4	8,729	1/4	23,045	1/4	38,084	1/4	53,122	1/4	68,133	1/4	83,099	1/4	98,138	1/4	113,174	1/4	128,206	1/4	143,237
1/2	9,006	1/2	23,359	1/2	38,397	1/2	53,435	1/2	68,444	1/2	83,412	1/2	98,451	1/2	113,487	1/2	128,519	1/2	143,551
3/4	9,283	3/4	23,672	3/4	38,710	3/4	53,749	3/4	68,755	3/4	83,725	3/4	98,764	3/4	113,801	3/4	128,832	3/4	143,864
9	9,560	9	23,985	9	39,024	9	54,062	9	69,066	9	84,039	9	99,078	9	114,114	9	129,145	9	144,177
1/4	9,841	1/4	24,298	1/4	39,337	1/4	54,375	1/4	69,377	1/4	84,352	1/4	99,391	1/4	114,427	1/4	129,458	1/4	144,490
1/2	10,122	1/2	24,612	1/2	39,650	1/2	54,689	1/2	69,688	1/2	84,665	1/2	99,704	1/2	114,740	1/2	129,772	1/2	144,803
3/4	10,403	3/4	24,925	3/4	39,964	3/4	55,002	3/4	69,999	3/4	84,979	3/4	100,018	3/4	115,053	3/4	130,085	3/4	145,116
10	10,684	10	25,238	10	40,277	10	55,315	10	70,310	10	85,292	10	100,331	10	115,366	10	130,398	10	145,430
1/4	10,969	1/4	25,552	1/4	40,590	1/4	55,629	1/4	70,620	1/4	85,605	1/4	100,644	1/4	115,679	1/4	130,711	1/4	145,743
1/2	11,253	1/2	25,865	1/2	40,903	1/2	55,942	1/2	70,931	1/2	85,919	1/2	100,957	1/2	115,993	1/2	131,024	1/2	146,056
3/4	11,538	3/4	26,178	3/4	41,217	3/4	56,255	3/4	71,242	3/4	86,232	3/4	101,271	3/4	116,306	3/4	131,337	3/4	146,369
11	11,823	11	26,492	11	41,530	11	56,569	11	71,553	11	86,545	11	101,584	11	116,619	11	131,651	11	146,682
1/4	12,111	1/4	26,805	1/4	41,843	1/4	56,882	1/4	71,864	1/4	86,858	1/4	101,897	1/4	116,932	1/4	131,964	1/4	146,995
1/2	12,400	1/2	27,118	1/2	42,157	1/2	57,195	1/2	72,175	1/2	87,172	1/2	102,211	1/2	117,245	1/2	132,277	1/2	147,308
3/4	12,689	3/4	27,431	3/4	42,470	3/4	57,508	3/4	72,486	3/4	87,485	3/4	102,524	3/4	117,558	3/4	132,590	3/4	147,622

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 3230"

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	147,935	0	162,966	0	177,996	0	192,983	0	207,883	0		0		0		0		0	
1/4	148,248	1/4	163,280	1/4	178,308	1/4	193,296	1/4	208,179	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	148,561	1/2	163,593	1/2	178,620	1/2	193,608	1/2	208,474	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	148,874	3/4	163,906	3/4	178,932	3/4	193,920	3/4	208,770	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	149,187	1	164,219	1	179,245	1	194,232	1	209,065	1	1	1	1	1	1	1	1	1	1
1/4	149,501	1/4	164,532	1/4	179,557	1/4	194,545	1/4	209,325	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,814	1/2	164,845	1/2	179,869	1/2	194,857	1/2	209,585	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,127	3/4	165,158	3/4	180,181	3/4	195,169	3/4	209,845	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	150,440	2	165,472	2	180,494	2	195,481	2	210,105	2	2	2	2	2	2	2	2	2	2
1/4	150,753	1/4	165,785	1/4	180,806	1/4	195,792	1/4	210,320	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,066	1/2	166,098	1/2	181,118	1/2	196,103	1/2	210,535	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,380	3/4	166,411	3/4	181,430	3/4	196,414	3/4	210,750	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	151,693	3	166,724	3	181,743	3	196,725	3	210,965	3	3	3	3	3	3	3	3	3	3
1/4	152,006	1/4	167,037	1/4	182,055	1/4	197,035	1/4	211,136	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,319	1/2	167,351	1/2	182,367	1/2	197,345	1/2	211,306	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,632	3/4	167,664	3/4	182,679	3/4	197,655	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	152,945	4	167,977	4	182,992	4	197,965	4	=====	4	4	4	4	4	4	4	4	4	4
1/4	153,258	1/4	168,290	1/4	183,304	1/4	198,275	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,572	1/2	168,603	1/2	183,616	1/2	198,585	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,885	3/4	168,916	3/4	183,928	3/4	198,895	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	154,198	5	169,230	5	184,241	5	199,205	5	=====	5	5	5	5	5	5	5	5	5	5
1/4	154,511	1/4	169,543	1/4	184,553	1/4	199,515	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,824	1/2	169,856	1/2	184,865	1/2	199,825	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,137	3/4	170,169	3/4	185,177	3/4	200,136	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	155,451	6	170,482	6	185,490	6	200,446	6	=====	6	6	6	6	6	6	6	6	6	6
1/4	155,764	1/4	170,795	1/4	185,802	1/4	200,756	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,077	1/2	171,108	1/2	186,114	1/2	201,066	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	171,422	3/4	186,426	3/4	201,376	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	156,703	7	171,735	7	186,739	7	201,686	7	=====	7	7	7	7	7	7	7	7	7	7
1/4	157,016	1/4	172,048	1/4	187,051	1/4	201,996	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,330	1/2	172,361	1/2	187,363	1/2	202,306	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,643	3/4	172,674	3/4	187,675	3/4	202,616	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	157,956	8	172,987	8	187,988	8	202,926	8	=====	8	8	8	8	8	8	8	8	8	8
1/4	158,269	1/4	173,301	1/4	188,300	1/4	203,236	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,582	1/2	173,614	1/2	188,612	1/2	203,546	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,895	3/4	173,927	3/4	188,924	3/4	203,856	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	159,208	9	174,240	9	189,236	9	204,166	9	=====	9	9	9	9	9	9	9	9	9	9
1/4	159,522	1/4	174,553	1/4	189,549	1/4	204,476	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,835	1/2	174,866	1/2	189,861	1/2	204,787	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,148	3/4	175,180	3/4	190,173	3/4	205,097	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	160,461	10	175,493	10	190,485	10	205,407	10	=====	10	10	10	10	10	10	10	10	10	10
1/4	160,774	1/4	175,806	1/4	190,798	1/4	205,717	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,087	1/2	176,119	1/2	191,110	1/2	206,027	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,401	3/4	176,432	3/4	191,422	3/4	206,337	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	161,714	11	176,745	11	191,734	11	206,646	11	=====	11	11	11	11	11	11	11	11	11	11
1/4	162,027	1/4	177,058	1/4	192,047	1/4	206,956	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,340	1/2	177,370	1/2	192,359	1/2	207,265	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,653	3/4	177,683	3/4	192,671	3/4	207,574	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2012 CL - SW
CALCULATED: 10/25/2012 CL
PRINTED: 10/25/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "GBL 3230"

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	630	0	15,252	0	30,327	0	45,387	0	60,455	0	75,531	0	90,606	0	105,681	0	120,752	0	135,820
1/4	853	1/4	15,566	1/4	30,641	1/4	45,701	1/4	60,769	1/4	75,845	1/4	90,920	1/4	105,995	1/4	121,066	1/4	136,134
1/2	1,075	1/2	15,880	1/2	30,955	1/2	46,014	1/2	61,083	1/2	76,159	1/2	91,234	1/2	106,309	1/2	121,380	1/2	136,448
3/4	1,298	3/4	16,194	3/4	31,269	3/4	46,328	3/4	61,397	3/4	76,473	3/4	91,548	3/4	106,624	3/4	121,694	3/4	136,762
1	1,520	1	16,508	1	31,583	1	46,641	1	61,711	1	76,787	1	91,862	1	106,938	1	122,008	1	137,076
1/4	1,814	1/4	16,822	1/4	31,897	1/4	46,954	1/4	62,025	1/4	77,101	1/4	92,176	1/4	107,252	1/4	122,322	1/4	137,390
1/2	2,107	1/2	17,136	1/2	32,211	1/2	47,268	1/2	62,340	1/2	77,415	1/2	92,490	1/2	107,566	1/2	122,636	1/2	137,704
3/4	2,400	3/4	17,450	3/4	32,525	3/4	47,581	3/4	62,654	3/4	77,729	3/4	92,804	3/4	107,880	3/4	122,950	3/4	138,018
2	2,694	2	17,765	2	32,840	2	47,895	2	62,968	2	78,043	2	93,118	2	108,194	2	123,263	2	138,332
1/4	3,007	1/4	18,079	1/4	33,154	1/4	48,208	1/4	63,282	1/4	78,357	1/4	93,433	1/4	108,508	1/4	123,577	1/4	138,645
1/2	3,320	1/2	18,393	1/2	33,468	1/2	48,522	1/2	63,596	1/2	78,671	1/2	93,747	1/2	108,822	1/2	123,891	1/2	138,959
3/4	3,634	3/4	18,707	3/4	33,782	3/4	48,836	3/4	63,910	3/4	78,985	3/4	94,061	3/4	109,136	3/4	124,205	3/4	139,273
3	3,947	3	19,021	3	34,096	3	49,149	3	64,224	3	79,299	3	94,375	3	109,450	3	124,519	3	139,587
1/4	4,261	1/4	19,335	1/4	34,410	1/4	49,463	1/4	64,538	1/4	79,613	1/4	94,689	1/4	109,764	1/4	124,833	1/4	139,901
1/2	4,574	1/2	19,649	1/2	34,724	1/2	49,777	1/2	64,852	1/2	79,928	1/2	95,003	1/2	110,078	1/2	125,147	1/2	140,215
3/4	4,888	3/4	19,963	3/4	35,038	3/4	50,091	3/4	65,166	3/4	80,242	3/4	95,317	3/4	110,392	3/4	125,461	3/4	140,529
4	5,202	4	20,277	4	35,352	4	50,405	4	65,480	4	80,556	4	95,631	4	110,706	4	125,775	4	140,843
1/4	5,516	1/4	20,591	1/4	35,666	1/4	50,719	1/4	65,794	1/4	80,870	1/4	95,945	1/4	111,020	1/4	126,089	1/4	141,157
1/2	5,830	1/2	20,905	1/2	35,980	1/2	51,033	1/2	66,108	1/2	81,184	1/2	96,259	1/2	111,334	1/2	126,403	1/2	141,471
3/4	6,144	3/4	21,219	3/4	36,294	3/4	51,347	3/4	66,422	3/4	81,498	3/4	96,573	3/4	111,648	3/4	126,717	3/4	141,785
5	6,458	5	21,533	5	36,608	5	51,661	5	66,737	5	81,812	5	96,887	5	111,962	5	127,030	5	142,099
1/4	6,772	1/4	21,847	1/4	36,922	1/4	51,975	1/4	67,051	1/4	82,126	1/4	97,201	1/4	112,276	1/4	127,344	1/4	142,412
1/2	7,086	1/2	22,161	1/2	37,236	1/2	52,289	1/2	67,365	1/2	82,440	1/2	97,515	1/2	112,590	1/2	127,658	1/2	142,726
3/4	7,400	3/4	22,475	3/4	37,550	3/4	52,603	3/4	67,679	3/4	82,754	3/4	97,830	3/4	112,904	3/4	127,972	3/4	143,040
6	7,715	6	22,790	6	37,863	6	52,917	6	67,993	6	83,068	6	98,144	6	113,218	6	128,286	6	143,354
1/4	8,029	1/4	23,104	1/4	38,177	1/4	53,231	1/4	68,307	1/4	83,382	1/4	98,458	1/4	113,532	1/4	128,600	1/4	143,668
1/2	8,343	1/2	23,418	1/2	38,490	1/2	53,546	1/2	68,621	1/2	83,696	1/2	98,772	1/2	113,846	1/2	128,914	1/2	143,982
3/4	8,657	3/4	23,732	3/4	38,804	3/4	53,860	3/4	68,935	3/4	84,010	3/4	99,086	3/4	114,160	3/4	129,228	3/4	144,296
7	8,971	7	24,046	7	39,118	7	54,174	7	69,249	7	84,325	7	99,400	7	114,474	7	129,542	7	144,610
1/4	9,285	1/4	24,360	1/4	39,431	1/4	54,488	1/4	69,563	1/4	84,639	1/4	99,714	1/4	114,788	1/4	129,856	1/4	144,924
1/2	9,599	1/2	24,674	1/2	39,745	1/2	54,802	1/2	69,877	1/2	84,953	1/2	100,028	1/2	115,102	1/2	130,170	1/2	145,238
3/4	9,913	3/4	24,988	3/4	40,058	3/4	55,116	3/4	70,191	3/4	85,267	3/4	100,342	3/4	115,415	3/4	130,484	3/4	145,552
8	10,227	8	25,302	8	40,371	8	55,430	8	70,505	8	85,581	8	100,656	8	115,729	8	130,797	8	145,866
1/4	10,541	1/4	25,616	1/4	40,685	1/4	55,744	1/4	70,819	1/4	85,895	1/4	100,970	1/4	116,043	1/4	131,111	1/4	146,179
1/2	10,855	1/2	25,930	1/2	40,998	1/2	56,058	1/2	71,134	1/2	86,209	1/2	101,284	1/2	116,357	1/2	131,425	1/2	146,493
3/4	11,169	3/4	26,244	3/4	41,312	3/4	56,372	3/4	71,448	3/4	86,523	3/4	101,598	3/4	116,671	3/4	131,739	3/4	146,807
9	11,483	9	26,558	9	41,625	9	56,686	9	71,762	9	86,837	9	101,912	9	116,985	9	132,053	9	147,121
1/4	11,797	1/4	26,872	1/4	41,939	1/4	57,000	1/4	72,076	1/4	87,151	1/4	102,227	1/4	117,299	1/4	132,367	1/4	147,435
1/2	12,111	1/2	27,186	1/2	42,252	1/2	57,314	1/2	72,390	1/2	87,465	1/2	102,541	1/2	117,613	1/2	132,681	1/2	147,749
3/4	12,425	3/4	27,500	3/4	42,566	3/4	57,628	3/4	72,704	3/4	87,779	3/4	102,855	3/4	117,927	3/4	132,995	3/4	148,063
10	12,740	10	27,815	10	42,879	10	57,943	10	73,018	10	88,093	10	103,169	10	118,241	10	133,309	10	148,377
1/4	13,054	1/4	28,129	1/4	43,193	1/4	58,257	1/4	73,332	1/4	88,407	1/4	103,483	1/4	118,555	1/4	133,623	1/4	148,691
1/2	13,368	1/2	28,443	1/2	43,506	1/2	58,571	1/2	73,646	1/2	88,722	1/2	103,797	1/2	118,869	1/2	133,937	1/2	149,005
3/4	13,682	3/4	28,757	3/4	43,820	3/4	58,885	3/4	73,960	3/4	89,036	3/4	104,111	3/4	119,182	3/4	134,251	3/4	149,319
11	13,996	11	29,071	11	44,133	11	59,199	11	74,274	11	89,350	11	104,425	11	119,496	11	134,565	11	149,633
1/4	14,310	1/4	29,385	1/4	44,447	1/4	59,513	1/4	74,588	1/4	89,664	1/4	104,739	1/4	119,810	1/4	134,878	1/4	149,947
1/2	14,624	1/2	29,699	1/2	44,760	1/2	59,827	1/2	74,902	1/2	89,978	1/2	105,053	1/2	120,124	1/2	135,192	1/2	150,260
3/4	14,938	3/4	30,013	3/4	45,074	3/4	60,141	3/4	75,216	3/4	90,292	3/4	105,367	3/4	120,438	3/4	135,506	3/4	150,574

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 3230"

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	150,888	0	165,956	0	181,022	0	196,046	0	210,982	0		0		0		0		0	
1/4	151,202	1/4	166,270	1/4	181,335	1/4	196,359	1/4	211,279	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,516	1/2	166,584	1/2	181,648	1/2	196,672	1/2	211,575	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,830	3/4	166,898	3/4	181,961	3/4	196,985	3/4	211,871	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	152,144	1	167,212	1	182,274	1	197,298	1	212,168	1	1	1	1	1	1	1	1	1	1
1/4	152,458	1/4	167,526	1/4	182,587	1/4	197,611	1/4	212,428	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,772	1/2	167,840	1/2	182,900	1/2	197,924	1/2	212,689	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,086	3/4	168,154	3/4	183,213	3/4	198,237	3/4	212,949	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	153,400	2	168,468	2	183,526	2	198,550	2	213,210	2	2	2	2	2	2	2	2	2	2
1/4	153,714	1/4	168,782	1/4	183,839	1/4	198,862	1/4	213,425	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,027	1/2	169,096	1/2	184,152	1/2	199,174	1/2	213,641	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,341	3/4	169,409	3/4	184,465	3/4	199,485	3/4	213,856	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	154,655	3	169,723	3	184,778	3	199,797	3	214,072	3	3	3	3	3	3	3	3	3	3
1/4	154,969	1/4	170,037	1/4	185,091	1/4	200,108	1/4	214,243	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,283	1/2	170,351	1/2	185,404	1/2	200,419	1/2	214,414	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,597	3/4	170,665	3/4	185,717	3/4	200,729	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	155,911	4	170,979	4	186,030	4	201,040	4		4	4	4	4	4	4	4	4	4	4
1/4	156,225	1/4	171,293	1/4	186,343	1/4	201,351	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,539	1/2	171,607	1/2	186,656	1/2	201,662	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,853	3/4	171,921	3/4	186,969	3/4	201,973	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	157,167	5	172,235	5	187,282	5	202,284	5		5	5	5	5	5	5	5	5	5	5
1/4	157,481	1/4	172,549	1/4	187,595	1/4	202,594	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,794	1/2	172,863	1/2	187,908	1/2	202,905	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,108	3/4	173,176	3/4	188,221	3/4	203,216	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	158,422	6	173,490	6	188,534	6	203,527	6		6	6	6	6	6	6	6	6	6	6
1/4	158,736	1/4	173,804	1/4	188,847	1/4	203,838	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,050	1/2	174,118	1/2	189,160	1/2	204,148	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,364	3/4	174,432	3/4	189,473	3/4	204,459	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	159,678	7	174,746	7	189,786	7	204,770	7		7	7	7	7	7	7	7	7	7	7
1/4	159,992	1/4	175,060	1/4	190,099	1/4	205,081	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,306	1/2	175,374	1/2	190,412	1/2	205,392	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,620	3/4	175,688	3/4	190,725	3/4	205,702	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	160,934	8	176,002	8	191,038	8	206,013	8		8	8	8	8	8	8	8	8	8	8
1/4	161,248	1/4	176,316	1/4	191,351	1/4	206,324	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,561	1/2	176,630	1/2	191,664	1/2	206,635	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,875	3/4	176,943	3/4	191,977	3/4	206,946	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	162,189	9	177,257	9	192,290	9	207,257	9		9	9	9	9	9	9	9	9	9	9
1/4	162,503	1/4	177,571	1/4	192,603	1/4	207,567	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,817	1/2	177,885	1/2	192,916	1/2	207,878	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,131	3/4	178,199	3/4	193,229	3/4	208,189	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	163,445	10	178,513	10	193,542	10	208,500	10		10	10	10	10	10	10	10	10	10	10
1/4	163,759	1/4	178,827	1/4	193,855	1/4	208,811	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,073	1/2	179,141	1/2	194,168	1/2	209,121	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,387	3/4	179,455	3/4	194,481	3/4	209,432	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	164,701	11	179,769	11	194,794	11	209,743	11		11	11	11	11	11	11	11	11	11	11
1/4	165,015	1/4	180,082	1/4	195,107	1/4	210,053	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,329	1/2	180,395	1/2	195,420	1/2	210,363	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,642	3/4	180,709	3/4	195,733	3/4	210,672	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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CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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BARGE "GBL 3230"

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	630	0	15,241	0	30,305	0	45,354	0	60,211	0	74,996	0	89,970	0	105,035	0	120,094	0	135,152
1/4	852	1/4	15,555	1/4	30,619	1/4	45,667	1/4	60,519	1/4	75,304	1/4	90,284	1/4	105,348	1/4	120,408	1/4	135,465
1/2	1,074	1/2	15,869	1/2	30,933	1/2	45,981	1/2	60,827	1/2	75,612	1/2	90,598	1/2	105,662	1/2	120,722	1/2	135,779
3/4	1,297	3/4	16,182	3/4	31,246	3/4	46,294	3/4	61,135	3/4	75,920	3/4	90,912	3/4	105,976	3/4	121,035	3/4	136,093
1	1,519	1	16,496	1	31,560	1	46,607	1	61,443	1	76,228	1	91,226	1	106,290	1	121,349	1	136,406
1/4	1,812	1/4	16,810	1/4	31,874	1/4	46,920	1/4	61,751	1/4	76,536	1/4	91,539	1/4	106,604	1/4	121,663	1/4	136,720
1/2	2,105	1/2	17,124	1/2	32,188	1/2	47,234	1/2	62,059	1/2	76,844	1/2	91,853	1/2	106,918	1/2	121,977	1/2	137,034
3/4	2,399	3/4	17,438	3/4	32,502	3/4	47,547	3/4	62,367	3/4	77,152	3/4	92,167	3/4	107,231	3/4	122,290	3/4	137,347
2	2,692	2	17,752	2	32,816	2	47,860	2	62,675	2	77,460	2	92,481	2	107,545	2	122,604	2	137,661
1/4	3,005	1/4	18,065	1/4	33,129	1/4	48,173	1/4	62,983	1/4	77,768	1/4	92,795	1/4	107,859	1/4	122,918	1/4	137,975
1/2	3,318	1/2	18,379	1/2	33,443	1/2	48,487	1/2	63,291	1/2	78,076	1/2	93,109	1/2	108,173	1/2	123,231	1/2	138,288
3/4	3,631	3/4	18,693	3/4	33,757	3/4	48,800	3/4	63,599	3/4	78,384	3/4	93,422	3/4	108,487	3/4	123,545	3/4	138,602
3	3,944	3	19,007	3	34,071	3	49,113	3	63,907	3	78,692	3	93,736	3	108,801	3	123,859	3	138,916
1/4	4,257	1/4	19,321	1/4	34,385	1/4	49,424	1/4	64,215	1/4	79,002	1/4	94,050	1/4	109,115	1/4	124,172	1/4	139,230
1/2	4,571	1/2	19,635	1/2	34,699	1/2	49,734	1/2	64,523	1/2	79,312	1/2	94,364	1/2	109,428	1/2	124,486	1/2	139,543
3/4	4,885	3/4	19,948	3/4	35,012	3/4	50,044	3/4	64,831	3/4	79,622	3/4	94,678	3/4	109,742	3/4	124,800	3/4	139,857
4	5,198	4	20,262	4	35,326	4	50,354	4	65,139	4	79,932	4	94,992	4	110,056	4	125,113	4	140,171
1/4	5,512	1/4	20,576	1/4	35,640	1/4	50,662	1/4	65,447	1/4	80,244	1/4	95,305	1/4	110,370	1/4	125,427	1/4	140,484
1/2	5,826	1/2	20,890	1/2	35,954	1/2	50,970	1/2	65,755	1/2	80,557	1/2	95,619	1/2	110,684	1/2	125,741	1/2	140,798
3/4	6,140	3/4	21,204	3/4	36,268	3/4	51,278	3/4	66,063	3/4	80,870	3/4	95,933	3/4	110,997	3/4	126,055	3/4	141,112
5	6,454	5	21,518	5	36,582	5	51,586	5	66,371	5	81,183	5	96,247	5	111,311	5	126,368	5	141,425
1/4	6,767	1/4	21,831	1/4	36,895	1/4	51,894	1/4	66,679	1/4	81,496	1/4	96,561	1/4	111,625	1/4	126,682	1/4	141,739
1/2	7,081	1/2	22,145	1/2	37,209	1/2	52,202	1/2	66,987	1/2	81,810	1/2	96,875	1/2	111,938	1/2	126,996	1/2	142,053
3/4	7,395	3/4	22,459	3/4	37,522	3/4	52,510	3/4	67,295	3/4	82,124	3/4	97,189	3/4	112,252	3/4	127,309	3/4	142,366
6	7,709	6	22,773	6	37,836	6	52,818	6	67,603	6	82,438	6	97,502	6	112,566	6	127,623	6	142,680
1/4	8,023	1/4	23,087	1/4	38,149	1/4	53,126	1/4	67,911	1/4	82,752	1/4	97,816	1/4	112,880	1/4	127,937	1/4	142,994
1/2	8,337	1/2	23,401	1/2	38,463	1/2	53,434	1/2	68,219	1/2	83,066	1/2	98,130	1/2	113,193	1/2	128,250	1/2	143,308
3/4	8,650	3/4	23,714	3/4	38,776	3/4	53,742	3/4	68,527	3/4	83,379	3/4	98,444	3/4	113,507	3/4	128,564	3/4	143,621
7	8,964	7	24,028	7	39,089	7	54,050	7	68,835	7	83,693	7	98,758	7	113,821	7	128,878	7	143,935
1/4	9,278	1/4	24,342	1/4	39,402	1/4	54,358	1/4	69,143	1/4	84,007	1/4	99,072	1/4	114,134	1/4	129,191	1/4	144,249
1/2	9,592	1/2	24,656	1/2	39,716	1/2	54,666	1/2	69,451	1/2	84,321	1/2	99,385	1/2	114,448	1/2	129,505	1/2	144,562
3/4	9,906	3/4	24,970	3/4	40,029	3/4	54,974	3/4	69,759	3/4	84,635	3/4	99,699	3/4	114,762	3/4	129,819	3/4	144,876
8	10,220	8	25,284	8	40,342	8	55,282	8	70,067	8	84,949	8	100,013	8	115,075	8	130,133	8	145,190
1/4	10,533	1/4	25,597	1/4	40,655	1/4	55,590	1/4	70,375	1/4	85,262	1/4	100,327	1/4	115,389	1/4	130,446	1/4	145,503
1/2	10,847	1/2	25,911	1/2	40,969	1/2	55,898	1/2	70,683	1/2	85,576	1/2	100,641	1/2	115,703	1/2	130,760	1/2	145,817
3/4	11,161	3/4	26,225	3/4	41,282	3/4	56,206	3/4	70,991	3/4	85,890	3/4	100,955	3/4	116,016	3/4	131,074	3/4	146,131
9	11,475	9	26,539	9	41,595	9	56,514	9	71,299	9	86,204	9	101,268	9	116,330	9	131,387	9	146,444
1/4	11,789	1/4	26,853	1/4	41,908	1/4	56,822	1/4	71,608	1/4	86,518	1/4	101,582	1/4	116,644	1/4	131,701	1/4	146,758
1/2	12,103	1/2	27,167	1/2	42,222	1/2	57,130	1/2	71,916	1/2	86,832	1/2	101,896	1/2	116,958	1/2	132,015	1/2	147,072
3/4	12,416	3/4	27,480	3/4	42,535	3/4	57,438	3/4	72,224	3/4	87,146	3/4	102,210	3/4	117,271	3/4	132,328	3/4	147,385
10	12,730	10	27,794	10	42,848	10	57,746	10	72,532	10	87,459	10	102,524	10	117,585	10	132,642	10	147,699
1/4	13,044	1/4	28,108	1/4	43,161	1/4	58,054	1/4	72,840	1/4	87,773	1/4	102,838	1/4	117,899	1/4	132,956	1/4	148,013
1/2	13,358	1/2	28,422	1/2	43,475	1/2	58,362	1/2	73,148	1/2	88,087	1/2	103,152	1/2	118,212	1/2	133,269	1/2	148,327
3/4	13,672	3/4	28,736	3/4	43,788	3/4	58,670	3/4	73,456	3/4	88,401	3/4	103,465	3/4	118,526	3/4	133,583	3/4	148,640
11	13,986	11	29,050	11	44,101	11	58,978	11	73,764	11	88,715	11	103,779	11	118,840	11	133,897	11	148,954
1/4	14,299	1/4	29,363	1/4	44,414	1/4	59,286	1/4	74,072	1/4	89,029	1/4	104,093	1/4	119,153	1/4	134,210	1/4	149,268
1/2	14,613	1/2	29,677	1/2	44,728	1/2	59,594	1/2	74,380	1/2	89,342	1/2	104,407	1/2	119,467	1/2	134,524	1/2	149,581
3/4	14,927	3/4	29,991	3/4	45,041	3/4	59,903	3/4	74,688	3/4	89,656	3/4	104,721	3/4	119,781	3/4	134,838	3/4	149,895

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 3230"

2 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	150,209	0	165,266	0	180,321	0	195,334	0	210,259	0		0		0		0		0	
1/4	150,522	1/4	165,580	1/4	180,633	1/4	195,647	1/4	210,555	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	150,836	1/2	165,893	1/2	180,946	1/2	195,960	1/2	210,852	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,150	3/4	166,207	3/4	181,259	3/4	196,272	3/4	211,148	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	151,463	1	166,521	1	181,572	1	196,585	1	211,444	1		1		1		1		1	
1/4	151,777	1/4	166,834	1/4	181,885	1/4	196,898	1/4	211,704	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,091	1/2	167,148	1/2	182,197	1/2	197,211	1/2	211,964	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,405	3/4	167,462	3/4	182,510	3/4	197,524	3/4	212,225	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	152,718	2	167,775	2	182,823	2	197,836	2	212,485	2		2		2		2		2	
1/4	153,032	1/4	168,089	1/4	183,136	1/4	198,148	1/4	212,700	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,346	1/2	168,403	1/2	183,449	1/2	198,459	1/2	212,916	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,659	3/4	168,716	3/4	183,761	3/4	198,771	3/4	213,131	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	153,973	3	169,030	3	184,074	3	199,082	3	213,347	3		3		3		3		3	
1/4	154,287	1/4	169,344	1/4	184,387	1/4	199,393	1/4	213,517	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,600	1/2	169,658	1/2	184,700	1/2	199,703	1/2	213,688	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,914	3/4	169,971	3/4	185,012	3/4	200,014	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	155,228	4	170,285	4	185,325	4	200,324	4	=====	4		4		4		4		4	
1/4	155,541	1/4	170,599	1/4	185,638	1/4	200,635	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,855	1/2	170,912	1/2	185,951	1/2	200,946	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,169	3/4	171,226	3/4	186,264	3/4	201,256	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	156,483	5	171,540	5	186,576	5	201,567	5	=====	5		5		5		5		5	
1/4	156,796	1/4	171,853	1/4	186,889	1/4	201,877	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,110	1/2	172,167	1/2	187,202	1/2	202,188	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,424	3/4	172,481	3/4	187,515	3/4	202,498	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	157,737	6	172,794	6	187,827	6	202,809	6	=====	6		6		6		6		6	
1/4	158,051	1/4	173,108	1/4	188,140	1/4	203,120	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,365	1/2	173,422	1/2	188,453	1/2	203,430	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,678	3/4	173,735	3/4	188,766	3/4	203,741	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	158,992	7	174,049	7	189,079	7	204,051	7	=====	7		7		7		7		7	
1/4	159,306	1/4	174,363	1/4	189,391	1/4	204,362	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,619	1/2	174,677	1/2	189,704	1/2	204,673	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,933	3/4	174,990	3/4	190,017	3/4	204,983	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	160,247	8	175,304	8	190,330	8	205,294	8	=====	8		8		8		8		8	
1/4	160,560	1/4	175,618	1/4	190,642	1/4	205,604	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,874	1/2	175,931	1/2	190,955	1/2	205,915	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,188	3/4	176,245	3/4	191,268	3/4	206,226	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	161,502	9	176,559	9	191,581	9	206,536	9	=====	9		9		9		9		9	
1/4	161,815	1/4	176,872	1/4	191,894	1/4	206,847	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,129	1/2	177,186	1/2	192,206	1/2	207,157	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,443	3/4	177,500	3/4	192,519	3/4	207,468	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	162,756	10	177,813	10	192,832	10	207,779	10	=====	10		10		10		10		10	
1/4	163,070	1/4	178,127	1/4	193,145	1/4	208,089	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,384	1/2	178,441	1/2	193,457	1/2	208,400	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,697	3/4	178,755	3/4	193,770	3/4	208,710	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	164,011	11	179,068	11	194,083	11	209,021	11	=====	11		11		11		11		11	
1/4	164,325	1/4	179,381	1/4	194,396	1/4	209,330	1/4	=====	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,638	1/2	179,694	1/2	194,709	1/2	209,640	1/2	=====	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,952	3/4	180,008	3/4	195,021	3/4	209,950	3/4	=====	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2012 CL - SW
CALCULATED: 10/25/2012 CL
PRINTED: 10/25/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "GBL 3230"

3 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	628	0	15,181	0	30,185	0	45,175	0	60,172	0	75,177	0	90,182	0	105,187	0	120,178	0	135,163
1/4	849	1/4	15,493	1/4	30,498	1/4	45,487	1/4	60,485	1/4	75,489	1/4	90,494	1/4	105,499	1/4	120,490	1/4	135,475
1/2	1,070	1/2	15,806	1/2	30,810	1/2	45,799	1/2	60,797	1/2	75,802	1/2	90,807	1/2	105,812	1/2	120,802	1/2	135,788
3/4	1,292	3/4	16,118	3/4	31,123	3/4	46,111	3/4	61,110	3/4	76,115	3/4	91,120	3/4	106,124	3/4	121,114	3/4	136,100
1	1,513	1	16,431	1	31,435	1	46,423	1	61,422	1	76,427	1	91,432	1	106,437	1	121,427	1	136,412
1/4	1,805	1/4	16,744	1/4	31,748	1/4	46,735	1/4	61,735	1/4	76,740	1/4	91,745	1/4	106,750	1/4	121,739	1/4	136,724
1/2	2,097	1/2	17,056	1/2	32,061	1/2	47,047	1/2	62,048	1/2	77,052	1/2	92,057	1/2	107,062	1/2	122,051	1/2	137,036
3/4	2,389	3/4	17,369	3/4	32,373	3/4	47,359	3/4	62,360	3/4	77,365	3/4	92,370	3/4	107,375	3/4	122,363	3/4	137,349
2	2,681	2	17,681	2	32,686	2	47,671	2	62,673	2	77,678	2	92,683	2	107,687	2	122,675	2	137,661
1/4	2,993	1/4	17,994	1/4	32,998	1/4	47,983	1/4	62,985	1/4	77,990	1/4	92,995	1/4	108,000	1/4	122,988	1/4	137,973
1/2	3,305	1/2	18,307	1/2	33,311	1/2	48,295	1/2	63,298	1/2	78,303	1/2	93,308	1/2	108,313	1/2	123,300	1/2	138,285
3/4	3,617	3/4	18,619	3/4	33,624	3/4	48,607	3/4	63,611	3/4	78,615	3/4	93,620	3/4	108,625	3/4	123,612	3/4	138,597
3	3,928	3	18,932	3	33,936	3	48,919	3	63,923	3	78,928	3	93,933	3	108,938	3	123,924	3	138,909
1/4	4,241	1/4	19,244	1/4	34,249	1/4	49,232	1/4	64,236	1/4	79,241	1/4	94,246	1/4	109,250	1/4	124,236	1/4	139,222
1/2	4,553	1/2	19,557	1/2	34,561	1/2	49,544	1/2	64,548	1/2	79,553	1/2	94,558	1/2	109,563	1/2	124,549	1/2	139,534
3/4	4,865	3/4	19,870	3/4	34,874	3/4	49,856	3/4	64,861	3/4	79,866	3/4	94,871	3/4	109,875	3/4	124,861	3/4	139,846
4	5,178	4	20,182	4	35,187	4	50,169	4	65,174	4	80,178	4	95,183	4	110,187	4	125,173	4	140,158
1/4	5,490	1/4	20,495	1/4	35,499	1/4	50,481	1/4	65,486	1/4	80,491	1/4	95,496	1/4	110,500	1/4	125,485	1/4	140,470
1/2	5,803	1/2	20,807	1/2	35,812	1/2	50,794	1/2	65,799	1/2	80,804	1/2	95,809	1/2	110,812	1/2	125,797	1/2	140,783
3/4	6,116	3/4	21,120	3/4	36,124	3/4	51,107	3/4	66,111	3/4	81,116	3/4	96,121	3/4	111,124	3/4	126,109	3/4	141,095
5	6,428	5	21,433	5	36,437	5	51,419	5	66,424	5	81,429	5	96,434	5	111,436	5	126,422	5	141,407
1/4	6,741	1/4	21,745	1/4	36,749	1/4	51,732	1/4	66,737	1/4	81,741	1/4	96,746	1/4	111,749	1/4	126,734	1/4	141,719
1/2	7,053	1/2	22,058	1/2	37,062	1/2	52,044	1/2	67,049	1/2	82,054	1/2	97,059	1/2	112,061	1/2	127,046	1/2	142,031
3/4	7,366	3/4	22,370	3/4	37,374	3/4	52,357	3/4	67,362	3/4	82,367	3/4	97,372	3/4	112,373	3/4	127,358	3/4	142,344
6	7,679	6	22,683	6	37,686	6	52,670	6	67,674	6	82,679	6	97,684	6	112,685	6	127,670	6	142,656
1/4	7,991	1/4	22,996	1/4	37,998	1/4	52,982	1/4	67,987	1/4	82,992	1/4	97,997	1/4	112,997	1/4	127,983	1/4	142,964
1/2	8,304	1/2	23,308	1/2	38,310	1/2	53,295	1/2	68,300	1/2	83,304	1/2	98,309	1/2	113,309	1/2	128,295	1/2	143,272
3/4	8,616	3/4	23,621	3/4	38,622	3/4	53,607	3/4	68,612	3/4	83,617	3/4	98,622	3/4	113,622	3/4	128,607	3/4	143,579
7	8,929	7	23,933	7	38,934	7	53,920	7	68,925	7	83,930	7	98,935	7	113,934	7	128,919	7	143,887
1/4	9,241	1/4	24,246	1/4	39,246	1/4	54,233	1/4	69,237	1/4	84,242	1/4	99,247	1/4	114,246	1/4	129,231	1/4	144,183
1/2	9,554	1/2	24,558	1/2	39,558	1/2	54,545	1/2	69,550	1/2	84,555	1/2	99,560	1/2	114,558	1/2	129,544	1/2	144,478
3/4	9,867	3/4	24,871	3/4	39,871	3/4	54,858	3/4	69,863	3/4	84,867	3/4	99,872	3/4	114,870	3/4	129,856	3/4	144,774
8	10,179	8	25,184	8	40,183	8	55,170	8	70,175	8	85,180	8	100,185	8	115,183	8	130,168	8	145,069
1/4	10,492	1/4	25,496	1/4	40,495	1/4	55,483	1/4	70,488	1/4	85,493	1/4	100,498	1/4	115,495	1/4	130,480	1/4	145,350
1/2	10,804	1/2	25,809	1/2	40,807	1/2	55,796	1/2	70,800	1/2	85,805	1/2	100,810	1/2	115,807	1/2	130,792	1/2	145,631
3/4	11,117	3/4	26,121	3/4	41,119	3/4	56,108	3/4	71,113	3/4	86,118	3/4	101,123	3/4	116,119	3/4	131,105	3/4	145,912
9	11,430	9	26,434	9	41,431	9	56,421	9	71,426	9	86,431	9	101,435	9	116,431	9	131,417	9	146,193
1/4	11,742	1/4	26,747	1/4	41,743	1/4	56,733	1/4	71,738	1/4	86,743	1/4	101,748	1/4	116,744	1/4	131,729	1/4	146,460
1/2	12,055	1/2	27,059	1/2	42,055	1/2	57,046	1/2	72,051	1/2	87,056	1/2	102,061	1/2	117,056	1/2	132,041	1/2	146,727
3/4	12,367	3/4	27,372	3/4	42,367	3/4	57,359	3/4	72,363	3/4	87,368	3/4	102,373	3/4	117,368	3/4	132,353	3/4	146,995
10	12,680	10	27,684	10	42,679	10	57,671	10	72,676	10	87,681	10	102,686	10	117,680	10	132,666	10	147,262
1/4	12,993	1/4	27,997	1/4	42,991	1/4	57,984	1/4	72,989	1/4	87,994	1/4	102,998	1/4	117,992	1/4	132,978	1/4	147,515
1/2	13,305	1/2	28,310	1/2	43,303	1/2	58,296	1/2	73,301	1/2	88,306	1/2	103,311	1/2	118,305	1/2	133,290	1/2	147,769
3/4	13,618	3/4	28,622	3/4	43,615	3/4	58,609	3/4	73,614	3/4	88,619	3/4	103,624	3/4	118,617	3/4	133,602	3/4	148,022
11	13,930	11	28,935	11	43,927	11	58,922	11	73,926	11	88,931	11	103,936	11	118,929	11	133,914	11	148,276
1/4	14,243	1/4	29,247	1/4	44,239	1/4	59,234	1/4	74,239	1/4	89,244	1/4	104,249	1/4	119,241	1/4	134,227	1/4	148,516
1/2	14,556	1/2	29,560	1/2	44,551	1/2	59,547	1/2	74,552	1/2	89,557	1/2	104,561	1/2	119,553	1/2	134,539	1/2	148,756
3/4	14,868	3/4	29,873	3/4	44,863	3/4	59,859	3/4	74,864	3/4	89,869	3/4	104,874	3/4	119,866	3/4	134,851	3/4	148,996

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
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BARGE "GBL 3230"

3 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	149,235	0	159,646	0	170,008	0	180,341	0	190,614	0		0		0		0		0	
1/4	149,461	1/4	159,862	1/4	170,223	1/4	180,557	1/4	190,818	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,687	1/2	160,078	1/2	170,438	1/2	180,772	1/2	191,022	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	149,914	3/4	160,294	3/4	170,654	3/4	180,987	3/4	191,226	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	150,140	1	160,510	1	170,869	1	181,203	1	191,430	1	1	1	1	1	1	1	1	1	1
1/4	150,357	1/4	160,726	1/4	171,084	1/4	181,418	1/4	191,609	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	150,575	1/2	160,942	1/2	171,299	1/2	181,633	1/2	191,788	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,793	3/4	161,158	3/4	171,515	3/4	181,848	3/4	191,967	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	151,011	2	161,374	2	171,730	2	182,064	2	192,146	2	2	2	2	2	2	2	2	2	2
1/4	151,227	1/4	161,589	1/4	171,945	1/4	182,278	1/4	192,295	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,442	1/2	161,805	1/2	172,161	1/2	182,492	1/2	192,443	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,658	3/4	162,021	3/4	172,376	3/4	182,707	3/4	192,591	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	151,874	3	162,237	3	172,591	3	182,921	3	192,739	3	3	3	3	3	3	3	3	3	3
1/4	152,090	1/4	162,453	1/4	172,806	1/4	183,135	1/4	192,857	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	162,669	1/2	173,022	1/2	183,349	1/2	192,974	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,522	3/4	162,885	3/4	173,237	3/4	183,562	3/4	193,088	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	152,738	4	163,101	4	173,452	4	183,776	4	193,200	4	4	4	4	4	4	4	4	4	4
1/4	152,954	1/4	163,317	1/4	173,668	1/4	183,990	1/4	193,312	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,170	1/2	163,532	1/2	173,883	1/2	184,204	1/2	193,424	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,385	3/4	163,748	3/4	174,098	3/4	184,418	3/4	193,536	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	153,601	5	163,964	5	174,313	5	184,631	5	193,648	5	5	5	5	5	5	5	5	5	5
1/4	153,817	1/4	164,180	1/4	174,529	1/4	184,845	1/4	193,760	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,033	1/2	164,396	1/2	174,744	1/2	185,059	1/2	193,872	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,249	3/4	164,612	3/4	174,959	3/4	185,273	3/4	193,984	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	154,465	6	164,828	6	175,175	6	185,486	6	194,096	6	6	6	6	6	6	6	6	6	6
1/4	154,681	1/4	165,044	1/4	175,390	1/4	185,700	1/4	194,208	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,897	1/2	165,260	1/2	175,605	1/2	185,914	1/2	194,320	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,113	3/4	165,475	3/4	175,820	3/4	186,128	3/4	194,432	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	155,329	7	165,691	7	176,036	7	186,342	7	194,544	7	7	7	7	7	7	7	7	7	7
1/4	155,544	1/4	165,907	1/4	176,251	1/4	186,555	1/4	194,656	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,760	1/2	166,123	1/2	176,466	1/2	186,769	1/2	194,768	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,976	3/4	166,339	3/4	176,682	3/4	186,983	3/4	194,880	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	156,192	8	166,555	8	176,897	8	187,197	8	194,992	8	8	8	8	8	8	8	8	8	8
1/4	156,408	1/4	166,771	1/4	177,112	1/4	187,410	1/4	195,104	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,624	1/2	166,987	1/2	177,327	1/2	187,624	1/2	195,216	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,840	3/4	167,203	3/4	177,543	3/4	187,838	3/4	195,328	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	157,056	9	167,419	9	177,758	9	188,052	9	195,440	9	9	9	9	9	9	9	9	9	9
1/4	157,272	1/4	167,634	1/4	177,973	1/4	188,266	1/4	195,552	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,487	1/2	167,850	1/2	178,189	1/2	188,479	1/2	195,664	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,703	3/4	168,066	3/4	178,404	3/4	188,693	3/4	195,776	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	157,919	10	168,282	10	178,619	10	188,907	10	195,888	10	10	10	10	10	10	10	10	10	10
1/4	158,135	1/4	168,498	1/4	178,834	1/4	189,121	1/4	196,000	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,351	1/2	168,714	1/2	179,050	1/2	189,334	1/2	196,112	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,567	3/4	168,930	3/4	179,265	3/4	189,548	3/4	196,224	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	158,783	11	169,146	11	179,480	11	189,762	11	196,336	11	11	11	11	11	11	11	11	11	11
1/4	158,999	1/4	169,361	1/4	179,696	1/4	189,975	1/4	196,448	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,215	1/2	169,577	1/2	179,911	1/2	190,188	1/2	196,560	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,430	3/4	169,792	3/4	180,126	3/4	190,401	3/4	196,672	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2012 CL - SW
CALCULATED: 10/25/2012 CL
PRINTED: 10/25/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "GBL 3230"

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	15,171	0	30,152	0	45,121	0	59,720	0	74,559	0	89,407	0	104,387	0	119,344	0	134,302
1/4	849	1/4	15,483	1/4	30,465	1/4	45,432	1/4	60,021	1/4	74,868	1/4	89,719	1/4	104,699	1/4	119,656	1/4	134,613
1/2	1,071	1/2	15,795	1/2	30,777	1/2	45,744	1/2	60,322	1/2	75,178	1/2	90,031	1/2	105,011	1/2	119,967	1/2	134,925
3/4	1,292	3/4	16,107	3/4	31,089	3/4	46,056	3/4	60,623	3/4	75,487	3/4	90,343	3/4	105,323	3/4	120,279	3/4	135,236
1	1,513	1	16,420	1	31,401	1	46,367	1	60,924	1	75,796	1	90,655	1	105,636	1	120,590	1	135,548
1/4	1,806	1/4	16,732	1/4	31,713	1/4	46,679	1/4	61,226	1/4	76,105	1/4	90,967	1/4	105,948	1/4	120,902	1/4	135,860
1/2	2,098	1/2	17,044	1/2	32,025	1/2	46,990	1/2	61,528	1/2	76,414	1/2	91,279	1/2	106,260	1/2	121,214	1/2	136,171
3/4	2,390	3/4	17,356	3/4	32,338	3/4	47,302	3/4	61,830	3/4	76,724	3/4	91,592	3/4	106,572	3/4	121,525	3/4	136,483
2	2,682	2	17,668	2	32,650	2	47,613	2	62,132	2	77,033	2	91,904	2	106,884	2	121,837	2	136,795
1/4	2,994	1/4	17,980	1/4	32,962	1/4	47,925	1/4	62,436	1/4	77,342	1/4	92,216	1/4	107,196	1/4	122,148	1/4	137,106
1/2	3,305	1/2	18,292	1/2	33,274	1/2	48,237	1/2	62,740	1/2	77,651	1/2	92,528	1/2	107,508	1/2	122,460	1/2	137,418
3/4	3,617	3/4	18,604	3/4	33,586	3/4	48,548	3/4	63,045	3/4	77,960	3/4	92,840	3/4	107,820	3/4	122,772	3/4	137,729
3	3,929	3	18,917	3	33,898	3	48,860	3	63,349	3	78,269	3	93,152	3	108,132	3	123,083	3	138,041
1/4	4,241	1/4	19,228	1/4	34,210	1/4	49,166	1/4	63,658	1/4	78,579	1/4	93,464	1/4	108,444	1/4	123,395	1/4	138,353
1/2	4,554	1/2	19,540	1/2	34,523	1/2	49,473	1/2	63,967	1/2	78,888	1/2	93,776	1/2	108,756	1/2	123,707	1/2	138,664
3/4	4,866	3/4	19,852	3/4	34,835	3/4	49,779	3/4	64,276	3/4	79,197	3/4	94,088	3/4	109,068	3/4	124,018	3/4	138,976
4	5,179	4	20,164	4	35,147	4	50,085	4	64,586	4	79,506	4	94,400	4	109,380	4	124,330	4	139,288
1/4	5,491	1/4	20,476	1/4	35,459	1/4	50,387	1/4	64,898	1/4	79,815	1/4	94,712	1/4	109,691	1/4	124,641	1/4	139,599
1/2	5,804	1/2	20,788	1/2	35,771	1/2	50,688	1/2	65,209	1/2	80,124	1/2	95,024	1/2	110,003	1/2	124,953	1/2	139,911
3/4	6,117	3/4	21,100	3/4	36,083	3/4	50,990	3/4	65,521	3/4	80,434	3/4	95,337	3/4	110,314	3/4	125,265	3/4	140,222
5	6,429	5	21,412	5	36,396	5	51,292	5	65,833	5	80,743	5	95,649	5	110,626	5	125,576	5	140,534
1/4	6,742	1/4	21,724	1/4	36,707	1/4	51,593	1/4	66,145	1/4	81,052	1/4	95,961	1/4	110,937	1/4	125,888	1/4	140,846
1/2	7,054	1/2	22,037	1/2	37,019	1/2	51,894	1/2	66,457	1/2	81,361	1/2	96,273	1/2	111,249	1/2	126,199	1/2	141,157
3/4	7,367	3/4	22,349	3/4	37,331	3/4	52,195	3/4	66,769	3/4	81,670	3/4	96,585	3/4	111,560	3/4	126,511	3/4	141,469
6	7,679	6	22,661	6	37,643	6	52,496	6	67,081	6	81,979	6	96,897	6	111,871	6	126,823	6	141,780
1/4	7,991	1/4	22,973	1/4	37,955	1/4	52,797	1/4	67,392	1/4	82,289	1/4	97,209	1/4	112,183	1/4	127,134	1/4	142,088
1/2	8,303	1/2	23,285	1/2	38,266	1/2	53,098	1/2	67,704	1/2	82,598	1/2	97,521	1/2	112,494	1/2	127,446	1/2	142,395
3/4	8,616	3/4	23,597	3/4	38,578	3/4	53,399	3/4	68,016	3/4	82,907	3/4	97,833	3/4	112,805	3/4	127,758	3/4	142,702
7	8,928	7	23,909	7	38,890	7	53,700	7	68,328	7	83,216	7	98,145	7	113,117	7	128,069	7	143,010
1/4	9,240	1/4	24,222	1/4	39,201	1/4	54,001	1/4	68,640	1/4	83,525	1/4	98,457	1/4	113,428	1/4	128,381	1/4	143,305
1/2	9,552	1/2	24,534	1/2	39,513	1/2	54,302	1/2	68,952	1/2	83,834	1/2	98,770	1/2	113,740	1/2	128,692	1/2	143,599
3/4	9,864	3/4	24,846	3/4	39,824	3/4	54,603	3/4	69,263	3/4	84,144	3/4	99,082	3/4	114,051	3/4	129,004	3/4	143,894
8	10,176	8	25,158	8	40,136	8	54,904	8	69,575	8	84,453	8	99,394	8	114,362	8	129,316	8	144,189
1/4	10,489	1/4	25,470	1/4	40,447	1/4	55,205	1/4	69,887	1/4	84,762	1/4	99,706	1/4	114,674	1/4	129,627	1/4	144,470
1/2	10,801	1/2	25,782	1/2	40,759	1/2	55,506	1/2	70,199	1/2	85,071	1/2	100,018	1/2	114,985	1/2	129,939	1/2	144,750
3/4	11,113	3/4	26,094	3/4	41,071	3/4	55,807	3/4	70,511	3/4	85,380	3/4	100,330	3/4	115,296	3/4	130,251	3/4	145,030
9	11,425	9	26,407	9	41,382	9	56,108	9	70,823	9	85,690	9	100,642	9	115,608	9	130,562	9	145,311
1/4	11,737	1/4	26,719	1/4	41,694	1/4	56,409	1/4	71,135	1/4	85,999	1/4	100,954	1/4	115,919	1/4	130,874	1/4	145,577
1/2	12,049	1/2	27,031	1/2	42,005	1/2	56,710	1/2	71,447	1/2	86,308	1/2	101,266	1/2	116,231	1/2	131,185	1/2	145,844
3/4	12,362	3/4	27,343	3/4	42,317	3/4	57,011	3/4	71,759	3/4	86,617	3/4	101,578	3/4	116,542	3/4	131,497	3/4	146,111
10	12,674	10	27,655	10	42,628	10	57,312	10	72,071	10	86,926	10	101,890	10	116,853	10	131,809	10	146,377
1/4	12,986	1/4	27,967	1/4	42,940	1/4	57,613	1/4	72,383	1/4	87,235	1/4	102,203	1/4	117,165	1/4	132,120	1/4	146,630
1/2	13,298	1/2	28,280	1/2	43,251	1/2	57,914	1/2	72,695	1/2	87,545	1/2	102,515	1/2	117,476	1/2	132,432	1/2	146,884
3/4	13,610	3/4	28,592	3/4	43,563	3/4	58,215	3/4	73,007	3/4	87,854	3/4	102,827	3/4	117,787	3/4	132,743	3/4	147,137
11	13,922	11	28,904	11	43,875	11	58,516	11	73,318	11	88,163	11	103,139	11	118,099	11	133,055	11	147,390
1/4	14,234	1/4	29,216	1/4	44,186	1/4	58,817	1/4	73,629	1/4	88,474	1/4	103,451	1/4	118,410	1/4	133,367	1/4	147,630
1/2	14,547	1/2	29,528	1/2	44,498	1/2	59,118	1/2	73,939	1/2	88,785	1/2	103,763	1/2	118,721	1/2	133,678	1/2	147,870
3/4	14,859	3/4	29,840	3/4	44,809	3/4	59,419	3/4	74,249	3/4	89,096	3/4	104,075	3/4	119,033	3/4	133,990	3/4	148,109

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
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BARGE "GBL 3230"

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	148,349	0	158,761	0	169,124	0	179,459	0	189,733	0		0		0		0		0	
1/4	148,575	1/4	158,977	1/4	169,339	1/4	179,674	1/4	189,937	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	148,801	1/2	159,193	1/2	169,554	1/2	179,889	1/2	190,141	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	149,027	3/4	159,409	3/4	169,770	3/4	180,105	3/4	190,345	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	149,253	1	159,625	1	169,985	1	180,320	1	190,548	1	1	1	1	1	1	1	1	1	1
1/4	149,471	1/4	159,841	1/4	170,200	1/4	180,535	1/4	190,728	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,689	1/2	160,056	1/2	170,416	1/2	180,751	1/2	190,907	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	149,906	3/4	160,272	3/4	170,631	3/4	180,966	3/4	191,086	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	150,124	2	160,488	2	170,846	2	181,181	2	191,265	2	2	2	2	2	2	2	2	2	2
1/4	150,340	1/4	160,704	1/4	171,061	1/4	181,396	1/4	191,413	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	150,556	1/2	160,920	1/2	171,277	1/2	181,610	1/2	191,562	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,772	3/4	161,136	3/4	171,492	3/4	181,824	3/4	191,710	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	150,988	3	161,352	3	171,707	3	182,039	3	191,858	3	3	3	3	3	3	3	3	3	3
1/4	151,204	1/4	161,568	1/4	171,923	1/4	182,253	1/4	191,976	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,420	1/2	161,784	1/2	172,138	1/2	182,466	1/2	192,093	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,636	3/4	162,000	3/4	172,353	3/4	182,680	3/4	192,210	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	151,851	4	162,216	4	172,569	4	182,894	4	192,327	4	4	4	4	4	4	4	4	4	4
1/4	152,067	1/4	162,432	1/4	172,784	1/4	183,108	1/4	192,444	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,283	1/2	162,648	1/2	172,999	1/2	183,322	1/2	192,561	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,499	3/4	162,863	3/4	173,215	3/4	183,535	3/4	192,678	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	152,715	5	163,079	5	173,430	5	183,749	5	192,795	5	5	5	5	5	5	5	5	5	5
1/4	152,931	1/4	163,295	1/4	173,645	1/4	183,963	1/4	192,912	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,147	1/2	163,511	1/2	173,861	1/2	184,177	1/2	193,029	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,363	3/4	163,727	3/4	174,076	3/4	184,391	3/4	193,146	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	153,579	6	163,943	6	174,291	6	184,604	6	193,263	6	6	6	6	6	6	6	6	6	6
1/4	153,795	1/4	164,159	1/4	174,507	1/4	184,818	1/4	193,380	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,011	1/2	164,375	1/2	174,722	1/2	185,032	1/2	193,497	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,227	3/4	164,591	3/4	174,937	3/4	185,246	3/4	193,614	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	154,443	7	164,807	7	175,152	7	185,460	7	193,731	7	7	7	7	7	7	7	7	7	7
1/4	154,658	1/4	165,023	1/4	175,368	1/4	185,673	1/4	193,848	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,874	1/2	165,239	1/2	175,583	1/2	185,887	1/2	193,965	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,090	3/4	165,455	3/4	175,798	3/4	186,101	3/4	194,082	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	155,306	8	165,670	8	176,014	8	186,315	8	194,199	8	8	8	8	8	8	8	8	8	8
1/4	155,522	1/4	165,886	1/4	176,229	1/4	186,529	1/4	194,316	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,738	1/2	166,102	1/2	176,444	1/2	186,742	1/2	194,433	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,954	3/4	166,318	3/4	176,660	3/4	186,956	3/4	194,550	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	156,170	9	166,534	9	176,875	9	187,170	9	194,667	9	9	9	9	9	9	9	9	9	9
1/4	156,386	1/4	166,750	1/4	177,090	1/4	187,384	1/4	194,784	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,602	1/2	166,966	1/2	177,306	1/2	187,598	1/2	194,901	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,818	3/4	167,182	3/4	177,521	3/4	187,812	3/4	195,018	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	157,034	10	167,398	10	177,736	10	188,025	10	195,135	10	10	10	10	10	10	10	10	10	10
1/4	157,249	1/4	167,614	1/4	177,952	1/4	188,239	1/4	195,252	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,465	1/2	167,830	1/2	178,167	1/2	188,453	1/2	195,369	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,681	3/4	168,046	3/4	178,382	3/4	188,667	3/4	195,486	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	157,897	11	168,261	11	178,597	11	188,880	11	195,603	11	11	11	11	11	11	11	11	11	11
1/4	158,113	1/4	168,477	1/4	178,813	1/4	189,093	1/4	195,720	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,329	1/2	168,693	1/2	179,028	1/2	189,307	1/2	195,837	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,545	3/4	168,908	3/4	179,243	3/4	189,520	3/4	195,954	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2012 CL - SW
CALCULATED: 10/25/2012 CL
PRINTED: 10/25/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "GBL 3230"

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



BARGE "GBL 3230"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01 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	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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