



BARGE "IB 1201"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
3 CENTER	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 163'-00"

December 14, 2017

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

<http://www.pmacorp.net>



BARGE "IB 1201"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	170	0	10,285	0	21,843	0	33,247	0	44,698	0	56,249	0	67,781	0	79,338	0	90,895	0	102,451
1/4	210	1/4	10,526	1/4	22,084	1/4	33,481	1/4	44,939	1/4	56,489	1/4	68,022	1/4	79,579	1/4	91,136	1/4	102,692
1/2	250	1/2	10,767	1/2	22,324	1/2	33,716	1/2	45,179	1/2	56,729	1/2	68,263	1/2	79,820	1/2	91,376	1/2	102,933
3/4	290	3/4	11,008	3/4	22,565	3/4	33,950	3/4	45,420	3/4	56,969	3/4	68,504	3/4	80,061	3/4	91,617	3/4	103,173
1	330	1	11,249	1	22,806	1	34,185	1	45,661	1	57,209	1	68,745	1	80,301	1	91,858	1	103,414
1/4	451	1/4	11,489	1/4	23,047	1/4	34,419	1/4	45,901	1/4	57,449	1/4	68,985	1/4	80,542	1/4	92,099	1/4	103,655
1/2	572	1/2	11,730	1/2	23,287	1/2	34,653	1/2	46,142	1/2	57,690	1/2	69,226	1/2	80,783	1/2	92,339	1/2	103,896
3/4	692	3/4	11,971	3/4	23,528	3/4	34,888	3/4	46,382	3/4	57,930	3/4	69,467	3/4	81,024	3/4	92,580	3/4	104,137
2	813	2	12,212	2	23,769	2	35,122	2	46,623	2	58,170	2	69,708	2	81,264	2	92,821	2	104,377
1/4	1,014	1/4	12,452	1/4	24,010	1/4	35,357	1/4	46,864	1/4	58,410	1/4	69,948	1/4	81,505	1/4	93,062	1/4	104,618
1/2	1,215	1/2	12,693	1/2	24,251	1/2	35,591	1/2	47,104	1/2	58,650	1/2	70,189	1/2	81,746	1/2	93,302	1/2	104,859
3/4	1,416	3/4	12,934	3/4	24,491	3/4	35,825	3/4	47,345	3/4	58,891	3/4	70,430	3/4	81,987	3/4	93,543	3/4	105,100
3	1,617	3	13,175	3	24,732	3	36,060	3	47,586	3	59,131	3	70,671	3	82,228	3	93,784	3	105,340
1/4	1,856	1/4	13,416	1/4	24,973	1/4	36,294	1/4	47,826	1/4	59,371	1/4	70,911	1/4	82,468	1/4	94,024	1/4	105,581
1/2	2,095	1/2	13,656	1/2	25,214	1/2	36,529	1/2	48,067	1/2	59,611	1/2	71,152	1/2	82,709	1/2	94,265	1/2	105,822
3/4	2,334	3/4	13,897	3/4	25,454	3/4	36,763	3/4	48,308	3/4	59,851	3/4	71,393	3/4	82,950	3/4	94,506	3/4	106,063
4	2,574	4	14,138	4	25,695	4	36,998	4	48,548	4	60,091	4	71,634	4	83,191	4	94,747	4	106,303
1/4	2,814	1/4	14,379	1/4	25,936	1/4	37,238	1/4	48,789	1/4	60,332	1/4	71,875	1/4	83,431	1/4	94,987	1/4	106,544
1/2	3,055	1/2	14,620	1/2	26,177	1/2	37,479	1/2	49,030	1/2	60,572	1/2	72,115	1/2	83,672	1/2	95,228	1/2	106,785
3/4	3,296	3/4	14,860	3/4	26,418	3/4	37,719	3/4	49,270	3/4	60,812	3/4	72,356	3/4	83,913	3/4	95,469	3/4	107,026
5	3,536	5	15,101	5	26,658	5	37,960	5	49,511	5	61,052	5	72,597	5	84,154	5	95,710	5	107,267
1/4	3,777	1/4	15,342	1/4	26,899	1/4	38,201	1/4	49,751	1/4	61,292	1/4	72,838	1/4	84,394	1/4	95,950	1/4	107,507
1/2	4,019	1/2	15,583	1/2	27,140	1/2	38,441	1/2	49,992	1/2	61,532	1/2	73,078	1/2	84,635	1/2	96,191	1/2	107,748
3/4	4,260	3/4	15,823	3/4	27,381	3/4	38,682	3/4	50,233	3/4	61,773	3/4	73,319	3/4	84,876	3/4	96,432	3/4	107,989
6	4,501	6	16,064	6	27,621	6	38,923	6	50,473	6	62,013	6	73,560	6	85,117	6	96,673	6	108,230
1/4	4,742	1/4	16,305	1/4	27,866	1/4	39,163	1/4	50,714	1/4	62,253	1/4	73,801	1/4	85,358	1/4	96,914	1/4	108,470
1/2	4,984	1/2	16,546	1/2	28,090	1/2	39,404	1/2	50,955	1/2	62,493	1/2	74,041	1/2	85,598	1/2	97,154	1/2	108,711
3/4	5,225	3/4	16,786	3/4	28,325	3/4	39,645	3/4	51,195	3/4	62,733	3/4	74,282	3/4	85,839	3/4	97,395	3/4	108,952
7	5,466	7	17,027	7	28,559	7	39,885	7	51,436	7	62,973	7	74,523	7	86,080	7	97,636	7	109,193
1/4	5,707	1/4	17,268	1/4	28,793	1/4	40,126	1/4	51,677	1/4	63,214	1/4	74,764	1/4	86,321	1/4	97,877	1/4	109,433
1/2	5,948	1/2	17,509	1/2	29,028	1/2	40,367	1/2	51,917	1/2	63,454	1/2	75,005	1/2	86,561	1/2	98,117	1/2	109,674
3/4	6,189	3/4	17,750	3/4	29,262	3/4	40,607	3/4	52,158	3/4	63,694	3/4	75,245	3/4	86,802	3/4	98,358	3/4	109,915
8	6,430	8	17,990	8	29,497	8	40,848	8	52,398	8	63,934	8	75,486	8	87,043	8	98,599	8	110,156
1/4	6,671	1/4	18,231	1/4	29,731	1/4	41,088	1/4	52,639	1/4	64,174	1/4	75,727	1/4	87,284	1/4	98,840	1/4	110,396
1/2	6,912	1/2	18,472	1/2	29,965	1/2	41,329	1/2	52,880	1/2	64,414	1/2	75,968	1/2	87,524	1/2	99,080	1/2	110,637
3/4	7,153	3/4	18,713	3/4	30,200	3/4	41,570	3/4	53,120	3/4	64,655	3/4	76,208	3/4	87,765	3/4	99,321	3/4	110,878
9	7,394	9	18,953	9	30,434	9	41,810	9	53,361	9	64,895	9	76,449	9	88,006	9	99,562	9	111,119
1/4	7,635	1/4	19,194	1/4	30,669	1/4	42,051	1/4	53,602	1/4	65,135	1/4	76,690	1/4	88,247	1/4	99,803	1/4	111,360
1/2	7,876	1/2	19,435	1/2	30,903	1/2	42,292	1/2	53,842	1/2	65,375	1/2	76,931	1/2	88,487	1/2	100,043	1/2	111,600
3/4	8,117	3/4	19,676	3/4	31,137	3/4	42,532	3/4	54,083	3/4	65,615	3/4	77,171	3/4	88,728	3/4	100,284	3/4	111,841
10	8,358	10	19,917	10	31,372	10	42,773	10	54,324	10	65,855	10	77,412	10	88,969	10	100,525	10	112,082
1/4	8,599	1/4	20,157	1/4	31,606	1/4	43,014	1/4	54,564	1/4	66,096	1/4	77,653	1/4	89,210	1/4	100,766	1/4	112,323
1/2	8,840	1/2	20,398	1/2	31,841	1/2	43,254	1/2	54,805	1/2	66,337	1/2	77,894	1/2	89,450	1/2	101,007	1/2	112,563
3/4	9,081	3/4	20,639	3/4	32,075	3/4	43,495	3/4	55,045	3/4	66,578	3/4	78,135	3/4	89,691	3/4	101,247	3/4	112,804
11	9,322	11	20,880	11	32,309	11	43,735	11	55,286	11	66,818	11	78,375	11	89,932	11	101,488	11	113,045
1/4	9,563	1/4	21,120	1/4	32,544	1/4	43,976	1/4	55,527	1/4	67,059	1/4	78,616	1/4	90,173	1/4	101,729	1/4	113,286
1/2	9,804	1/2	21,361	1/2	32,778	1/2	44,217	1/2	55,767	1/2	67,300	1/2	78,857	1/2	90,413	1/2	101,970	1/2	113,527
3/4	10,045	3/4	21,602	3/4	33,013	3/4	44,457	3/4	56,008	3/4	67,541	3/4	79,098	3/4	90,654	3/4	102,210	3/4	113,769

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

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BARGE "IB 1201"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	114,010	0	124,885	0	134,772	0	144,659	0	154,535	0		0		0		0		0	
1/4	114,251	1/4	125,091	1/4	134,978	1/4	144,865	1/4	154,701	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,493	1/2	125,297	1/2	135,184	1/2	145,071	1/2	154,867	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,734	3/4	125,503	3/4	135,390	3/4	145,277	3/4	155,032	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	114,975	1	125,709	1	135,596	1	145,483	1	155,198	1		1		1		1		1	
1/4	115,216	1/4	125,915	1/4	135,802	1/4	145,689	1/4	155,283	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	115,458	1/2	126,121	1/2	136,008	1/2	145,895	1/2	155,369	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	115,699	3/4	126,327	3/4	136,214	3/4	146,101	3/4	155,454	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	115,940	2	126,533	2	136,420	2	146,307	2	155,540	2		2		2		2		2	
1/4	116,181	1/4	126,739	1/4	136,626	1/4	146,513	1/4	155,544	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	116,423	1/2	126,945	1/2	136,832	1/2	146,719	1/2	155,549	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	116,664	3/4	127,151	3/4	137,038	3/4	146,925	3/4	155,554	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	116,905	3	127,357	3	137,244	3	147,131	3	155,559	3		3		3		3		3	
1/4	117,146	1/4	127,563	1/4	137,450	1/4	147,337	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,388	1/2	127,769	1/2	137,656	1/2	147,543	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	117,629	3/4	127,975	3/4	137,862	3/4	147,749	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	117,870	4	128,181	4	138,068	4	147,955	4		4		4		4		4		4	
1/4	118,111	1/4	128,387	1/4	138,274	1/4	148,161	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,353	1/2	128,593	1/2	138,480	1/2	148,367	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,594	3/4	128,799	3/4	138,686	3/4	148,573	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	118,835	5	129,005	5	138,892	5	148,779	5		5		5		5		5		5	
1/4	119,077	1/4	129,211	1/4	139,098	1/4	148,985	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,318	1/2	129,417	1/2	139,304	1/2	149,191	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,559	3/4	129,623	3/4	139,510	3/4	149,397	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	119,800	6	129,829	6	139,716	6	149,603	6		6		6		6		6		6	
1/4	120,042	1/4	130,035	1/4	139,922	1/4	149,809	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,283	1/2	130,241	1/2	140,128	1/2	150,015	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,524	3/4	130,447	3/4	140,334	3/4	150,221	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	120,765	7	130,653	7	140,540	7	150,427	7		7		7		7		7		7	
1/4	120,971	1/4	130,859	1/4	140,746	1/4	150,633	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,177	1/2	131,065	1/2	140,952	1/2	150,839	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,383	3/4	131,271	3/4	141,158	3/4	151,045	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	121,589	8	131,477	8	141,364	8	151,251	8		8		8		8		8		8	
1/4	121,795	1/4	131,682	1/4	141,570	1/4	151,457	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,001	1/2	131,888	1/2	141,776	1/2	151,663	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,207	3/4	132,094	3/4	141,982	3/4	151,869	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	122,413	9	132,300	9	142,188	9	152,075	9		9		9		9		9		9	
1/4	122,619	1/4	132,506	1/4	142,394	1/4	152,281	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,825	1/2	132,712	1/2	142,600	1/2	152,487	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,031	3/4	132,918	3/4	142,806	3/4	152,692	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	123,237	10	133,124	10	143,012	10	152,898	10		10		10		10		10		10	
1/4	123,443	1/4	133,330	1/4	143,217	1/4	153,104	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,649	1/2	133,536	1/2	143,423	1/2	153,309	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,855	3/4	133,742	3/4	143,629	3/4	153,515	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	124,061	11	133,948	11	143,835	11	153,720	11		11		11		11		11		11	
1/4	124,267	1/4	134,154	1/4	144,041	1/4	153,924	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,473	1/2	134,360	1/2	144,247	1/2	154,128	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,679	3/4	134,566	3/4	144,453	3/4	154,332	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 12/14/2017 SW
CALCULATED: 12/14/2017 CL
PRINTED: 12/15/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "IB 1201"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 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	26	0	8,978	0	19,220	0	29,310	0	39,452	0	49,695	0	59,937	0	70,180	0	80,422	0	90,664
1/4	62	1/4	9,191	1/4	19,433	1/4	29,517	1/4	39,666	1/4	49,908	1/4	60,151	1/4	70,393	1/4	80,635	1/4	90,878
1/2	97	1/2	9,404	1/2	19,646	1/2	29,725	1/2	39,879	1/2	50,122	1/2	60,364	1/2	70,606	1/2	80,849	1/2	91,091
3/4	133	3/4	9,618	3/4	19,860	3/4	29,932	3/4	40,093	3/4	50,335	3/4	60,577	3/4	70,820	3/4	81,062	3/4	91,305
1	169	1	9,831	1	20,073	1	30,139	1	40,306	1	50,548	1	60,791	1	71,033	1	81,276	1	91,518
1/4	275	1/4	10,045	1/4	20,287	1/4	30,346	1/4	40,519	1/4	50,762	1/4	61,004	1/4	71,247	1/4	81,489	1/4	91,731
1/2	382	1/2	10,258	1/2	20,500	1/2	30,553	1/2	40,733	1/2	50,975	1/2	61,218	1/2	71,460	1/2	81,702	1/2	91,945
3/4	489	3/4	10,471	3/4	20,713	3/4	30,760	3/4	40,946	3/4	51,188	3/4	61,431	3/4	71,673	3/4	81,916	3/4	92,158
2	595	2	10,685	2	20,927	2	30,967	2	41,159	2	51,402	2	61,644	2	71,887	2	82,129	2	92,372
1/4	773	1/4	10,898	1/4	21,140	1/4	31,174	1/4	41,373	1/4	51,615	1/4	61,858	1/4	72,100	1/4	82,342	1/4	92,585
1/2	951	1/2	11,111	1/2	21,353	1/2	31,381	1/2	41,586	1/2	51,829	1/2	62,071	1/2	72,313	1/2	82,556	1/2	92,798
3/4	1,128	3/4	11,325	3/4	21,567	3/4	31,588	3/4	41,800	3/4	52,042	3/4	62,284	3/4	72,527	3/4	82,769	3/4	93,012
3	1,306	3	11,538	3	21,780	3	31,796	3	42,013	3	52,255	3	62,498	3	72,740	3	82,983	3	93,225
1/4	1,518	1/4	11,752	1/4	21,994	1/4	32,003	1/4	42,226	1/4	52,469	1/4	62,711	1/4	72,954	1/4	83,196	1/4	93,438
1/2	1,729	1/2	11,965	1/2	22,207	1/2	32,210	1/2	42,440	1/2	52,682	1/2	62,925	1/2	73,167	1/2	83,409	1/2	93,652
3/4	1,941	3/4	12,178	3/4	22,420	3/4	32,417	3/4	42,653	3/4	52,896	3/4	63,138	3/4	73,380	3/4	83,623	3/4	93,865
4	2,152	4	12,392	4	22,634	4	32,624	4	42,867	4	53,109	4	63,351	4	73,594	4	83,836	4	94,079
1/4	2,365	1/4	12,605	1/4	22,847	1/4	32,837	1/4	43,080	1/4	53,322	1/4	63,565	1/4	73,807	1/4	84,050	1/4	94,292
1/2	2,578	1/2	12,818	1/2	23,060	1/2	33,051	1/2	43,293	1/2	53,536	1/2	63,778	1/2	74,021	1/2	84,263	1/2	94,505
3/4	2,791	3/4	13,032	3/4	23,274	3/4	33,264	3/4	43,507	3/4	53,749	3/4	63,991	3/4	74,234	3/4	84,476	3/4	94,719
5	3,004	5	13,245	5	23,487	5	33,478	5	43,720	5	53,962	5	64,205	5	74,447	5	84,690	5	94,932
1/4	3,217	1/4	13,459	1/4	23,700	1/4	33,691	1/4	43,933	1/4	54,176	1/4	64,418	1/4	74,661	1/4	84,903	1/4	95,146
1/2	3,430	1/2	13,672	1/2	23,914	1/2	33,904	1/2	44,147	1/2	54,389	1/2	64,632	1/2	74,874	1/2	85,116	1/2	95,359
3/4	3,644	3/4	13,885	3/4	24,127	3/4	34,118	3/4	44,360	3/4	54,603	3/4	64,845	3/4	75,087	3/4	85,330	3/4	95,572
6	3,857	6	14,099	6	24,341	6	34,331	6	44,574	6	54,816	6	65,058	6	75,301	6	85,543	6	95,786
1/4	4,070	1/4	14,312	1/4	24,548	1/4	34,545	1/4	44,787	1/4	55,029	1/4	65,272	1/4	75,514	1/4	85,757	1/4	95,999
1/2	4,284	1/2	14,525	1/2	24,755	1/2	34,758	1/2	45,000	1/2	55,243	1/2	65,485	1/2	75,728	1/2	85,970	1/2	96,212
3/4	4,497	3/4	14,739	3/4	24,962	3/4	34,971	3/4	45,214	3/4	55,456	3/4	65,699	3/4	75,941	3/4	86,183	3/4	96,426
7	4,710	7	14,952	7	25,169	7	35,185	7	45,427	7	55,670	7	65,912	7	76,154	7	86,397	7	96,639
1/4	4,924	1/4	15,166	1/4	25,376	1/4	35,398	1/4	45,641	1/4	55,883	1/4	66,125	1/4	76,368	1/4	86,610	1/4	96,853
1/2	5,137	1/2	15,379	1/2	25,583	1/2	35,611	1/2	45,854	1/2	56,096	1/2	66,339	1/2	76,581	1/2	86,824	1/2	97,066
3/4	5,350	3/4	15,592	3/4	25,790	3/4	35,825	3/4	46,067	3/4	56,310	3/4	66,552	3/4	76,795	3/4	87,037	3/4	97,279
8	5,564	8	15,806	8	25,997	8	36,038	8	46,281	8	56,523	8	66,765	8	77,008	8	87,250	8	97,493
1/4	5,777	1/4	16,019	1/4	26,204	1/4	36,252	1/4	46,494	1/4	56,736	1/4	66,979	1/4	77,221	1/4	87,464	1/4	97,706
1/2	5,991	1/2	16,232	1/2	26,411	1/2	36,465	1/2	46,707	1/2	56,950	1/2	67,192	1/2	77,435	1/2	87,677	1/2	97,919
3/4	6,204	3/4	16,446	3/4	26,618	3/4	36,678	3/4	46,921	3/4	57,163	3/4	67,406	3/4	77,648	3/4	87,890	3/4	98,133
9	6,417	9	16,659	9	26,826	9	36,892	9	47,134	9	57,377	9	67,619	9	77,861	9	88,104	9	98,346
1/4	6,631	1/4	16,873	1/4	27,033	1/4	37,105	1/4	47,348	1/4	57,590	1/4	67,832	1/4	78,075	1/4	88,317	1/4	98,560
1/2	6,844	1/2	17,086	1/2	27,240	1/2	37,319	1/2	47,561	1/2	57,803	1/2	68,046	1/2	78,288	1/2	88,531	1/2	98,773
3/4	7,057	3/4	17,299	3/4	27,447	3/4	37,532	3/4	47,774	3/4	58,017	3/4	68,259	3/4	78,502	3/4	88,744	3/4	98,986
10	7,271	10	17,513	10	27,654	10	37,745	10	47,988	10	58,230	10	68,473	10	78,715	10	88,957	10	99,200
1/4	7,484	1/4	17,726	1/4	27,861	1/4	37,959	1/4	48,201	1/4	58,444	1/4	68,686	1/4	78,928	1/4	89,171	1/4	99,413
1/2	7,697	1/2	17,939	1/2	28,068	1/2	38,172	1/2	48,414	1/2	58,657	1/2	68,899	1/2	79,142	1/2	89,384	1/2	99,627
3/4	7,911	3/4	18,153	3/4	28,275	3/4	38,385	3/4	48,628	3/4	58,870	3/4	69,113	3/4	79,355	3/4	89,598	3/4	99,840
11	8,124	11	18,366	11	28,482	11	38,599	11	48,841	11	59,084	11	69,326	11	79,568	11	89,811	11	100,053
1/4	8,338	1/4	18,580	1/4	28,689	1/4	38,812	1/4	49,055	1/4	59,297	1/4	69,539	1/4	79,782	1/4	90,024	1/4	100,267
1/2	8,551	1/2	18,793	1/2	28,896	1/2	39,026	1/2	49,268	1/2	59,510	1/2	69,753	1/2	79,995	1/2	90,238	1/2	100,480
3/4	8,764	3/4	19,006	3/4	29,103	3/4	39,239	3/4	49,481	3/4	59,724	3/4	69,966	3/4	80,209	3/4	90,451	3/4	100,693

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-06" FORWARD OF AFT BULKHEAD.

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





BARGE "IB 1201"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	100,907	0	111,149	0	121,392	0	131,634	0	141,867	0		0		0		0		0	
1/4	101,120	1/4	111,363	1/4	121,605	1/4	131,847	1/4	142,044	1/4		1/4		1/4		1/4		1/4	
1/2	101,334	1/2	111,576	1/2	121,818	1/2	132,061	1/2	142,222	1/2		1/2		1/2		1/2		1/2	
3/4	101,547	3/4	111,789	3/4	122,032	3/4	132,274	3/4	142,400	3/4		3/4		3/4		3/4		3/4	
1	101,760	1	112,003	1	122,245	1	132,488	1	142,578	1		1		1		1		1	
1/4	101,974	1/4	112,216	1/4	122,459	1/4	132,701	1/4	142,684	1/4		1/4		1/4		1/4		1/4	
1/2	102,187	1/2	112,430	1/2	122,672	1/2	132,914	1/2	142,791	1/2		1/2		1/2		1/2		1/2	
3/4	102,401	3/4	112,643	3/4	122,885	3/4	133,128	3/4	142,898	3/4		3/4		3/4		3/4		3/4	
2	102,614	2	112,856	2	123,099	2	133,341	2	143,004	2		2		2		2		2	
1/4	102,827	1/4	113,070	1/4	123,312	1/4	133,555	1/4	143,040	1/4		1/4		1/4		1/4		1/4	
1/2	103,041	1/2	113,283	1/2	123,526	1/2	133,768	1/2	143,076	1/2		1/2		1/2		1/2		1/2	
3/4	103,254	3/4	113,496	3/4	123,739	3/4	133,981	3/4	143,111	3/4		3/4		3/4		3/4		3/4	
3	103,467	3	113,710	3	123,952	3	134,195	3	143,147	3		3		3		3		3	
1/4	103,681	1/4	113,923	1/4	124,166	1/4	134,408	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	103,894	1/2	114,137	1/2	124,379	1/2	134,621	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	104,108	3/4	114,350	3/4	124,592	3/4	134,835	3/4		3/4		3/4		3/4		3/4		3/4	
4	104,321	4	114,563	4	124,806	4	135,048	4		4		4		4		4		4	
1/4	104,534	1/4	114,777	1/4	125,019	1/4	135,262	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	104,748	1/2	114,990	1/2	125,233	1/2	135,475	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	104,961	3/4	115,204	3/4	125,446	3/4	135,688	3/4		3/4		3/4		3/4		3/4		3/4	
5	105,175	5	115,417	5	125,659	5	135,902	5		5		5		5		5		5	
1/4	105,388	1/4	115,630	1/4	125,873	1/4	136,115	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	105,601	1/2	115,844	1/2	126,086	1/2	136,329	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	105,815	3/4	116,057	3/4	126,300	3/4	136,542	3/4		3/4		3/4		3/4		3/4		3/4	
6	106,028	6	116,270	6	126,513	6	136,755	6		6		6		6		6		6	
1/4	106,241	1/4	116,484	1/4	126,726	1/4	136,969	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	106,455	1/2	116,697	1/2	126,940	1/2	137,182	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	106,668	3/4	116,911	3/4	127,153	3/4	137,395	3/4		3/4		3/4		3/4		3/4		3/4	
7	106,882	7	117,124	7	127,366	7	137,609	7		7		7		7		7		7	
1/4	107,095	1/4	117,337	1/4	127,580	1/4	137,822	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107,308	1/2	117,551	1/2	127,793	1/2	138,036	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	107,522	3/4	117,764	3/4	128,007	3/4	138,249	3/4		3/4		3/4		3/4		3/4		3/4	
8	107,735	8	117,978	8	128,220	8	138,462	8		8		8		8		8		8	
1/4	107,949	1/4	118,191	1/4	128,433	1/4	138,676	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	108,162	1/2	118,404	1/2	128,647	1/2	138,889	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108,375	3/4	118,618	3/4	128,860	3/4	139,103	3/4		3/4		3/4		3/4		3/4		3/4	
9	108,589	9	118,831	9	129,073	9	139,316	9		9		9		9		9		9	
1/4	108,802	1/4	119,044	1/4	129,287	1/4	139,529	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,015	1/2	119,258	1/2	129,500	1/2	139,743	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	109,229	3/4	119,471	3/4	129,714	3/4	139,956	3/4		3/4		3/4		3/4		3/4		3/4	
10	109,442	10	119,685	10	129,927	10	140,169	10		10		10		10		10		10	
1/4	109,656	1/4	119,898	1/4	130,140	1/4	140,382	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	109,869	1/2	120,111	1/2	130,354	1/2	140,595	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,082	3/4	120,325	3/4	130,567	3/4	140,808	3/4		3/4		3/4		3/4		3/4		3/4	
11	110,296	11	120,538	11	130,781	11	141,021	11		11		11		11		11		11	
1/4	110,509	1/4	120,752	1/4	130,994	1/4	141,232	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	110,723	1/2	120,965	1/2	131,207	1/2	141,444	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110,936	3/4	121,178	3/4	131,421	3/4	141,655	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 12/14/2017 SW
CALCULATED: 12/14/2017 CL
PRINTED: 12/15/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "IB 1201"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	26	0	8,907	0	19,068	0	29,219	0	39,374	0	49,536	0	59,698	0	69,859	0	80,021	0	90,183
1/4	62	1/4	9,119	1/4	19,280	1/4	29,430	1/4	39,586	1/4	49,748	1/4	59,909	1/4	70,071	1/4	80,233	1/4	90,395
1/2	97	1/2	9,331	1/2	19,492	1/2	29,642	1/2	39,798	1/2	49,959	1/2	60,121	1/2	70,283	1/2	80,445	1/2	90,606
3/4	132	3/4	9,542	3/4	19,704	3/4	29,853	3/4	40,009	3/4	50,171	3/4	60,333	3/4	70,495	3/4	80,656	3/4	90,818
1	167	1	9,754	1	19,915	1	30,064	1	40,221	1	50,383	1	60,544	1	70,706	1	80,868	1	91,030
1/4	273	1/4	9,966	1/4	20,127	1/4	30,275	1/4	40,433	1/4	50,594	1/4	60,756	1/4	70,918	1/4	81,080	1/4	91,241
1/2	379	1/2	10,177	1/2	20,339	1/2	30,487	1/2	40,644	1/2	50,806	1/2	60,968	1/2	71,130	1/2	81,291	1/2	91,453
3/4	485	3/4	10,389	3/4	20,550	3/4	30,698	3/4	40,856	3/4	51,018	3/4	61,180	3/4	71,341	3/4	81,503	3/4	91,665
2	591	2	10,601	2	20,762	2	30,909	2	41,068	2	51,230	2	61,391	2	71,553	2	81,715	2	91,877
1/4	767	1/4	10,812	1/4	20,974	1/4	31,120	1/4	41,279	1/4	51,441	1/4	61,603	1/4	71,765	1/4	81,927	1/4	92,088
1/2	943	1/2	11,024	1/2	21,185	1/2	31,332	1/2	41,491	1/2	51,653	1/2	61,815	1/2	71,976	1/2	82,138	1/2	92,300
3/4	1,120	3/4	11,236	3/4	21,397	3/4	31,543	3/4	41,703	3/4	51,865	3/4	62,026	3/4	72,188	3/4	82,350	3/4	92,512
3	1,296	3	11,448	3	21,609	3	31,754	3	41,915	3	52,076	3	62,238	3	72,400	3	82,562	3	92,723
1/4	1,506	1/4	11,659	1/4	21,821	1/4	31,966	1/4	42,126	1/4	52,288	1/4	62,450	1/4	72,612	1/4	82,773	1/4	92,935
1/2	1,716	1/2	11,871	1/2	22,032	1/2	32,177	1/2	42,338	1/2	52,500	1/2	62,661	1/2	72,823	1/2	82,985	1/2	93,147
3/4	1,926	3/4	12,083	3/4	22,244	3/4	32,388	3/4	42,550	3/4	52,711	3/4	62,873	3/4	73,035	3/4	83,197	3/4	93,358
4	2,136	4	12,294	4	22,456	4	32,600	4	42,761	4	52,923	4	63,085	4	73,247	4	83,408	4	93,570
1/4	2,347	1/4	12,506	1/4	22,667	1/4	32,811	1/4	42,973	1/4	53,135	1/4	63,297	1/4	73,458	1/4	83,620	1/4	93,782
1/2	2,558	1/2	12,718	1/2	22,879	1/2	33,023	1/2	43,185	1/2	53,347	1/2	63,508	1/2	73,670	1/2	83,832	1/2	93,994
3/4	2,769	3/4	12,929	3/4	23,091	3/4	33,235	3/4	43,396	3/4	53,558	3/4	63,720	3/4	73,882	3/4	84,044	3/4	94,205
5	2,980	5	13,141	5	23,302	5	33,446	5	43,608	5	53,770	5	63,932	5	74,093	5	84,255	5	94,417
1/4	3,192	1/4	13,353	1/4	23,514	1/4	33,658	1/4	43,820	1/4	53,982	1/4	64,143	1/4	74,305	1/4	84,467	1/4	94,629
1/2	3,403	1/2	13,564	1/2	23,726	1/2	33,870	1/2	44,032	1/2	54,193	1/2	64,355	1/2	74,517	1/2	84,679	1/2	94,840
3/4	3,615	3/4	13,776	3/4	23,937	3/4	34,082	3/4	44,243	3/4	54,405	3/4	64,567	3/4	74,729	3/4	84,890	3/4	95,052
6	3,827	6	13,988	6	24,149	6	34,293	6	44,455	6	54,617	6	64,779	6	74,940	6	85,102	6	95,264
1/4	4,038	1/4	14,200	1/4	24,360	1/4	34,505	1/4	44,667	1/4	54,828	1/4	64,990	1/4	75,152	1/4	85,314	1/4	95,476
1/2	4,250	1/2	14,411	1/2	24,572	1/2	34,717	1/2	44,878	1/2	55,040	1/2	65,202	1/2	75,364	1/2	85,525	1/2	95,687
3/4	4,462	3/4	14,623	3/4	24,783	3/4	34,928	3/4	45,090	3/4	55,252	3/4	65,414	3/4	75,575	3/4	85,737	3/4	95,899
7	4,673	7	14,835	7	24,994	7	35,140	7	45,302	7	55,464	7	65,625	7	75,787	7	85,949	7	96,111
1/4	4,885	1/4	15,046	1/4	25,205	1/4	35,352	1/4	45,514	1/4	55,675	1/4	65,837	1/4	75,999	1/4	86,161	1/4	96,322
1/2	5,097	1/2	15,258	1/2	25,417	1/2	35,563	1/2	45,725	1/2	55,887	1/2	66,049	1/2	76,211	1/2	86,372	1/2	96,534
3/4	5,309	3/4	15,470	3/4	25,628	3/4	35,775	3/4	45,937	3/4	56,099	3/4	66,260	3/4	76,422	3/4	86,584	3/4	96,746
8	5,520	8	15,681	8	25,839	8	35,987	8	46,149	8	56,310	8	66,472	8	76,634	8	86,796	8	96,957
1/4	5,732	1/4	15,893	1/4	26,050	1/4	36,199	1/4	46,360	1/4	56,522	1/4	66,684	1/4	76,846	1/4	87,007	1/4	97,169
1/2	5,944	1/2	16,105	1/2	26,262	1/2	36,410	1/2	46,572	1/2	56,734	1/2	66,896	1/2	77,057	1/2	87,219	1/2	97,381
3/4	6,155	3/4	16,316	3/4	26,473	3/4	36,622	3/4	46,784	3/4	56,946	3/4	67,107	3/4	77,269	3/4	87,431	3/4	97,593
9	6,367	9	16,528	9	26,684	9	36,834	9	46,995	9	57,157	9	67,319	9	77,481	9	87,642	9	97,804
1/4	6,579	1/4	16,740	1/4	26,895	1/4	37,045	1/4	47,207	1/4	57,369	1/4	67,531	1/4	77,692	1/4	87,854	1/4	98,016
1/2	6,790	1/2	16,952	1/2	27,107	1/2	37,257	1/2	47,419	1/2	57,581	1/2	67,742	1/2	77,904	1/2	88,066	1/2	98,228
3/4	7,002	3/4	17,163	3/4	27,318	3/4	37,469	3/4	47,631	3/4	57,792	3/4	67,954	3/4	78,116	3/4	88,278	3/4	98,439
10	7,214	10	17,375	10	27,529	10	37,680	10	47,842	10	58,004	10	68,166	10	78,328	10	88,489	10	98,651
1/4	7,425	1/4	17,587	1/4	27,740	1/4	37,892	1/4	48,054	1/4	58,216	1/4	68,377	1/4	78,539	1/4	88,701	1/4	98,863
1/2	7,637	1/2	17,798	1/2	27,952	1/2	38,104	1/2	48,266	1/2	58,427	1/2	68,589	1/2	78,751	1/2	88,913	1/2	99,074
3/4	7,849	3/4	18,010	3/4	28,163	3/4	38,316	3/4	48,477	3/4	58,639	3/4	68,801	3/4	78,963	3/4	89,124	3/4	99,286
11	8,060	11	18,222	11	28,374	11	38,527	11	48,689	11	58,851	11	69,013	11	79,174	11	89,336	11	99,498
1/4	8,272	1/4	18,433	1/4	28,585	1/4	38,739	1/4	48,901	1/4	59,063	1/4	69,224	1/4	79,386	1/4	89,548	1/4	99,710
1/2	8,484	1/2	18,645	1/2	28,797	1/2	38,951	1/2	49,112	1/2	59,274	1/2	69,436	1/2	79,598	1/2	89,760	1/2	99,921
3/4	8,695	3/4	18,857	3/4	29,008	3/4	39,162	3/4	49,324	3/4	59,486	3/4	69,648	3/4	79,809	3/4	89,971	3/4	100,133

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "IB 1201"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	100,345	0	110,506	0	120,668	0	130,830	0	140,982	0		0		0		0		0	
1/4	100,556	1/4	110,718	1/4	120,880	1/4	131,042	1/4	141,158	1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	100,768	1/2	110,930	1/2	121,092	1/2	131,253	1/2	141,335	1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	100,980	3/4	111,142	3/4	121,303	3/4	131,465	3/4	141,511	3/4		3/4	3/4	3/4	3/4		3/4	3/4	
1	101,192	1	111,353	1	121,515	1	131,677	1	141,687	1		1		1		1		1	
1/4	101,403	1/4	111,565	1/4	121,727	1/4	131,889	1/4	141,793	1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	101,615	1/2	111,777	1/2	121,938	1/2	132,100	1/2	141,899	1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	101,827	3/4	111,988	3/4	122,150	3/4	132,312	3/4	142,005	3/4		3/4	3/4	3/4	3/4		3/4	3/4	
2	102,038	2	112,200	2	122,362	2	132,524	2	142,111	2		2		2		2		2	
1/4	102,250	1/4	112,412	1/4	122,574	1/4	132,735	1/4	142,146	1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	102,462	1/2	112,623	1/2	122,785	1/2	132,947	1/2	142,181	1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	102,673	3/4	112,835	3/4	122,997	3/4	133,159	3/4	142,217	3/4		3/4	3/4	3/4	3/4		3/4	3/4	
3	102,885	3	113,047	3	123,209	3	133,370	3	142,252	3		3		3		3		3	
1/4	103,097	1/4	113,259	1/4	123,420	1/4	133,582	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	103,309	1/2	113,470	1/2	123,632	1/2	133,794	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	103,520	3/4	113,682	3/4	123,844	3/4	134,006	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
4	103,732	4	113,894	4	124,055	4	134,217	4		4		4		4		4		4	
1/4	103,944	1/4	114,105	1/4	124,267	1/4	134,429	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	104,155	1/2	114,317	1/2	124,479	1/2	134,641	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	104,367	3/4	114,529	3/4	124,691	3/4	134,852	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
5	104,579	5	114,741	5	124,902	5	135,064	5		5		5		5		5		5	
1/4	104,790	1/4	114,952	1/4	125,114	1/4	135,276	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	105,002	1/2	115,164	1/2	125,326	1/2	135,487	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	105,214	3/4	115,376	3/4	125,537	3/4	135,699	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
6	105,426	6	115,587	6	125,749	6	135,911	6		6		6		6		6		6	
1/4	105,637	1/4	115,799	1/4	125,961	1/4	136,123	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	105,849	1/2	116,011	1/2	126,173	1/2	136,334	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	106,061	3/4	116,222	3/4	126,384	3/4	136,546	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
7	106,272	7	116,434	7	126,596	7	136,758	7		7		7		7		7		7	
1/4	106,484	1/4	116,646	1/4	126,808	1/4	136,969	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	106,696	1/2	116,858	1/2	127,019	1/2	137,181	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	106,908	3/4	117,069	3/4	127,231	3/4	137,393	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
8	107,119	8	117,281	8	127,443	8	137,604	8		8		8		8		8		8	
1/4	107,331	1/4	117,493	1/4	127,654	1/4	137,816	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	107,543	1/2	117,704	1/2	127,866	1/2	138,028	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	107,754	3/4	117,916	3/4	128,078	3/4	138,240	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
9	107,966	9	118,128	9	128,290	9	138,451	9		9		9		9		9		9	
1/4	108,178	1/4	118,339	1/4	128,501	1/4	138,663	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	108,389	1/2	118,551	1/2	128,713	1/2	138,875	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	108,601	3/4	118,763	3/4	128,925	3/4	139,086	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
10	108,813	10	118,975	10	129,136	10	139,298	10		10		10		10		10		10	
1/4	109,025	1/4	119,186	1/4	129,348	1/4	139,509	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	109,236	1/2	119,398	1/2	129,560	1/2	139,720	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	109,448	3/4	119,610	3/4	129,771	3/4	139,931	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
11	109,660	11	119,821	11	129,983	11	140,143	11		11		11		11		11		11	
1/4	109,871	1/4	120,033	1/4	130,195	1/4	140,352	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	110,083	1/2	120,245	1/2	130,407	1/2	140,562	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	110,295	3/4	120,457	3/4	130,618	3/4	140,772	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	

STRAPPED: 12/14/2017 SW
CALCULATED: 12/14/2017 CL
PRINTED: 12/15/2017 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2017

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