



BARGE "IB 1101"

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	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 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	00-3/4	- 00-3/4	01-0/8	- 01-0/8
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 - 00-3/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 163'-00"

March 28, 2018

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

<http://www.pmacorp.net>



BARGE "IB 1101"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 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	256	0	11,574	0	24,050	0	36,359	0	48,741	0	61,209	0	73,661	0	86,136	0	98,610	0	111,085
1/4	343	1/4	11,834	1/4	24,310	1/4	36,613	1/4	49,001	1/4	61,468	1/4	73,921	1/4	86,396	1/4	98,870	1/4	111,345
1/2	430	1/2	12,094	1/2	24,570	1/2	36,866	1/2	49,260	1/2	61,727	1/2	74,181	1/2	86,656	1/2	99,130	1/2	111,605
3/4	517	3/4	12,354	3/4	24,829	3/4	37,120	3/4	49,520	3/4	61,987	3/4	74,440	3/4	86,915	3/4	99,390	3/4	111,865
1	604	1	12,614	1	25,089	1	37,373	1	49,780	1	62,246	1	74,700	1	87,175	1	99,650	1	112,125
1/4	777	1/4	12,874	1/4	25,349	1/4	37,627	1/4	50,040	1/4	62,505	1/4	74,960	1/4	87,435	1/4	99,910	1/4	112,384
1/2	951	1/2	13,134	1/2	25,609	1/2	37,880	1/2	50,299	1/2	62,764	1/2	75,220	1/2	87,695	1/2	100,170	1/2	112,644
3/4	1,124	3/4	13,394	3/4	25,869	3/4	38,134	3/4	50,559	3/4	63,024	3/4	75,480	3/4	87,955	3/4	100,429	3/4	112,904
2	1,297	2	13,653	2	26,129	2	38,387	2	50,819	2	63,283	2	75,740	2	88,215	2	100,689	2	113,164
1/4	1,533	1/4	13,913	1/4	26,389	1/4	38,641	1/4	51,079	1/4	63,542	1/4	76,000	1/4	88,475	1/4	100,949	1/4	113,424
1/2	1,769	1/2	14,173	1/2	26,649	1/2	38,894	1/2	51,338	1/2	63,802	1/2	76,260	1/2	88,735	1/2	101,209	1/2	113,684
3/4	2,005	3/4	14,433	3/4	26,909	3/4	39,148	3/4	51,598	3/4	64,061	3/4	76,520	3/4	88,995	3/4	101,469	3/4	113,944
3	2,241	3	14,693	3	27,169	3	39,402	3	51,858	3	64,320	3	76,780	3	89,255	3	101,729	3	114,204
1/4	2,497	1/4	14,953	1/4	27,428	1/4	39,658	1/4	52,118	1/4	64,579	1/4	77,039	1/4	89,514	1/4	101,989	1/4	114,464
1/2	2,753	1/2	15,213	1/2	27,688	1/2	39,915	1/2	52,377	1/2	64,839	1/2	77,299	1/2	89,774	1/2	102,249	1/2	114,723
3/4	3,009	3/4	15,473	3/4	27,948	3/4	40,172	3/4	52,637	3/4	65,098	3/4	77,559	3/4	90,034	3/4	102,508	3/4	114,983
4	3,265	4	15,733	4	28,208	4	40,428	4	52,897	4	65,357	4	77,819	4	90,294	4	102,768	4	115,243
1/4	3,524	1/4	15,993	1/4	28,468	1/4	40,688	1/4	53,157	1/4	65,617	1/4	78,079	1/4	90,554	1/4	103,028	1/4	115,503
1/2	3,782	1/2	16,253	1/2	28,728	1/2	40,948	1/2	53,417	1/2	65,876	1/2	78,339	1/2	90,814	1/2	103,288	1/2	115,763
3/4	4,040	3/4	16,512	3/4	28,988	3/4	41,208	3/4	53,676	3/4	66,135	3/4	78,599	3/4	91,074	3/4	103,548	3/4	116,023
5	4,298	5	16,772	5	29,248	5	41,467	5	53,936	5	66,395	5	78,859	5	91,334	5	103,808	5	116,283
1/4	4,557	1/4	17,032	1/4	29,505	1/4	41,727	1/4	54,196	1/4	66,654	1/4	79,119	1/4	91,594	1/4	104,068	1/4	116,543
1/2	4,816	1/2	17,292	1/2	29,761	1/2	41,987	1/2	54,456	1/2	66,913	1/2	79,379	1/2	91,853	1/2	104,328	1/2	116,803
3/4	5,075	3/4	17,552	3/4	30,018	3/4	42,247	3/4	54,715	3/4	67,172	3/4	79,638	3/4	92,113	3/4	104,588	3/4	117,063
6	5,334	6	17,812	6	30,275	6	42,506	6	54,975	6	67,432	6	79,898	6	92,373	6	104,847	6	117,322
1/4	5,594	1/4	18,072	1/4	30,528	1/4	42,766	1/4	55,235	1/4	67,691	1/4	80,158	1/4	92,633	1/4	105,107	1/4	117,582
1/2	5,854	1/2	18,332	1/2	30,782	1/2	43,026	1/2	55,495	1/2	67,950	1/2	80,418	1/2	92,893	1/2	105,367	1/2	117,842
3/4	6,114	3/4	18,592	3/4	31,035	3/4	43,286	3/4	55,754	3/4	68,210	3/4	80,678	3/4	93,153	3/4	105,627	3/4	118,102
7	6,374	7	18,852	7	31,289	7	43,545	7	56,014	7	68,469	7	80,938	7	93,413	7	105,887	7	118,362
1/4	6,634	1/4	19,112	1/4	31,542	1/4	43,805	1/4	56,274	1/4	68,728	1/4	81,198	1/4	93,673	1/4	106,147	1/4	118,622
1/2	6,893	1/2	19,371	1/2	31,796	1/2	44,065	1/2	56,534	1/2	68,987	1/2	81,458	1/2	93,933	1/2	106,407	1/2	118,882
3/4	7,153	3/4	19,631	3/4	32,049	3/4	44,325	3/4	56,794	3/4	69,247	3/4	81,718	3/4	94,193	3/4	106,667	3/4	119,142
8	7,413	8	19,891	8	32,303	8	44,584	8	57,053	8	69,506	8	81,977	8	94,452	8	106,927	8	119,402
1/4	7,673	1/4	20,151	1/4	32,556	1/4	44,844	1/4	57,313	1/4	69,765	1/4	82,237	1/4	94,712	1/4	107,186	1/4	119,661
1/2	7,934	1/2	20,411	1/2	32,810	1/2	45,104	1/2	57,573	1/2	70,025	1/2	82,497	1/2	94,972	1/2	107,446	1/2	119,921
3/4	8,194	3/4	20,671	3/4	33,063	3/4	45,364	3/4	57,833	3/4	70,284	3/4	82,757	3/4	95,232	3/4	107,706	3/4	120,181
9	8,454	9	20,931	9	33,317	9	45,624	9	58,092	9	70,543	9	83,017	9	95,492	9	107,966	9	120,441
1/4	8,714	1/4	21,191	1/4	33,570	1/4	45,883	1/4	58,352	1/4	70,803	1/4	83,277	1/4	95,752	1/4	108,226	1/4	120,682
1/2	8,974	1/2	21,451	1/2	33,824	1/2	46,143	1/2	58,612	1/2	71,062	1/2	83,537	1/2	96,012	1/2	108,486	1/2	120,923
3/4	9,234	3/4	21,711	3/4	34,077	3/4	46,403	3/4	58,872	3/4	71,322	3/4	83,797	3/4	96,272	3/4	108,746	3/4	121,164
10	9,494	10	21,970	10	34,331	10	46,663	10	59,131	10	71,582	10	84,057	10	96,531	10	109,006	10	121,405
1/4	9,754	1/4	22,230	1/4	34,584	1/4	46,922	1/4	59,391	1/4	71,842	1/4	84,317	1/4	96,791	1/4	109,266	1/4	121,627
1/2	10,014	1/2	22,490	1/2	34,838	1/2	47,182	1/2	59,651	1/2	72,101	1/2	84,576	1/2	97,051	1/2	109,526	1/2	121,849
3/4	10,274	3/4	22,750	3/4	35,092	3/4	47,442	3/4	59,911	3/4	72,361	3/4	84,836	3/4	97,311	3/4	109,785	3/4	122,071
11	10,535	11	23,010	11	35,345	11	47,702	11	60,171	11	72,621	11	85,096	11	97,571	11	110,045	11	122,293
1/4	10,794	1/4	23,270	1/4	35,599	1/4	47,961	1/4	60,430	1/4	72,881	1/4	85,356	1/4	97,831	1/4	110,305	1/4	122,515
1/2	11,054	1/2	23,530	1/2	35,852	1/2	48,221	1/2	60,690	1/2	73,141	1/2	85,616	1/2	98,091	1/2	110,565	1/2	122,737
3/4	11,314	3/4	23,790	3/4	36,106	3/4	48,481	3/4	60,949	3/4	73,401	3/4	85,876	3/4	98,351	3/4	110,825	3/4	122,960

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 30'-09" FORWARD OF AFT BULKHEAD.

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BARGE "IB 1101"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	123,182	0	133,852	0	144,523	0	155,193	0	165,805	0		0		0		0		0	
1/4	123,404	1/4	134,075	1/4	144,745	1/4	155,415	1/4	165,960	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	123,627	1/2	134,297	1/2	144,967	1/2	155,638	1/2	166,116	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	123,849	3/4	134,519	3/4	145,190	3/4	155,860	3/4	166,271	3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
1	124,071	1	134,742	1	145,412	1	156,082	1	166,427	1		1		1		1		1	
1/4	124,293	1/4	134,964	1/4	145,634	1/4	156,305	1/4	166,516	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	124,516	1/2	135,186	1/2	145,857	1/2	156,527	1/2	166,606	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	124,738	3/4	135,408	3/4	146,079	3/4	156,749	3/4	166,695	3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
2	124,960	2	135,631	2	146,301	2	156,972	2	166,784	2		2		2		2		2	
1/4	125,183	1/4	135,853	1/4	146,523	1/4	157,194	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	125,405	1/2	136,075	1/2	146,746	1/2	157,416	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	125,627	3/4	136,298	3/4	146,968	3/4	157,638	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
3	125,850	3	136,520	3	147,190	3	157,861	3		3		3		3		3		3	
1/4	126,072	1/4	136,742	1/4	147,413	1/4	158,083	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	126,294	1/2	136,965	1/2	147,635	1/2	158,305	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	126,516	3/4	137,187	3/4	147,857	3/4	158,528	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
4	126,739	4	137,409	4	148,080	4	158,750	4		4		4		4		4		4	
1/4	126,961	1/4	137,631	1/4	148,302	1/4	158,972	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	127,183	1/2	137,854	1/2	148,524	1/2	159,195	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	127,406	3/4	138,076	3/4	148,746	3/4	159,417	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
5	127,628	5	138,298	5	148,969	5	159,639	5		5		5		5		5		5	
1/4	127,850	1/4	138,521	1/4	149,191	1/4	159,861	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	128,073	1/2	138,743	1/2	149,413	1/2	160,084	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	128,295	3/4	138,965	3/4	149,636	3/4	160,306	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
6	128,517	6	139,188	6	149,858	6	160,528	6		6		6		6		6		6	
1/4	128,739	1/4	139,410	1/4	150,080	1/4	160,751	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	128,962	1/2	139,632	1/2	150,303	1/2	160,973	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	129,184	3/4	139,854	3/4	150,525	3/4	161,195	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
7	129,406	7	140,077	7	150,747	7	161,418	7		7		7		7		7		7	
1/4	129,629	1/4	140,299	1/4	150,969	1/4	161,640	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	129,851	1/2	140,521	1/2	151,192	1/2	161,862	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	130,073	3/4	140,744	3/4	151,414	3/4	162,084	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
8	130,296	8	140,966	8	151,636	8	162,307	8		8		8		8		8		8	
1/4	130,518	1/4	141,188	1/4	151,859	1/4	162,529	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	130,740	1/2	141,411	1/2	152,081	1/2	162,751	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	130,962	3/4	141,633	3/4	152,303	3/4	162,974	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
9	131,185	9	141,855	9	152,526	9	163,196	9		9		9		9		9		9	
1/4	131,407	1/4	142,077	1/4	152,748	1/4	163,418	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	131,629	1/2	142,300	1/2	152,970	1/2	163,640	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	131,852	3/4	142,522	3/4	153,192	3/4	163,862	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
10	132,074	10	142,744	10	153,415	10	164,084	10		10		10		10		10		10	
1/4	132,296	1/4	142,967	1/4	153,637	1/4	164,306	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	132,519	1/2	143,189	1/2	153,859	1/2	164,527	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	132,741	3/4	143,411	3/4	154,082	3/4	164,748	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
11	132,963	11	143,634	11	154,304	11	164,969	11		11		11		11		11		11	
1/4	133,185	1/4	143,856	1/4	154,526	1/4	165,178	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	133,408	1/2	144,078	1/2	154,749	1/2	165,387	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	133,630	3/4	144,300	3/4	154,971	3/4	165,596	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4

STRAPPED: 03/27/2018 CL
CALCULATED: 03/28/2018 CL
PRINTED: 03/29/2018 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2018

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 1101"

2 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	103	0	10,099	0	21,133	0	32,003	0	42,949	0	53,983	0	65,017	0	76,051	0	87,085	0	98,118
1/4	179	1/4	10,329	1/4	21,363	1/4	32,226	1/4	43,179	1/4	54,213	1/4	65,247	1/4	76,281	1/4	87,314	1/4	98,348
1/2	256	1/2	10,559	1/2	21,593	1/2	32,450	1/2	43,409	1/2	54,443	1/2	65,477	1/2	76,510	1/2	87,544	1/2	98,578
3/4	333	3/4	10,789	3/4	21,822	3/4	32,674	3/4	43,639	3/4	54,673	3/4	65,706	3/4	76,740	3/4	87,774	3/4	98,808
1	409	1	11,019	1	22,052	1	32,897	1	43,869	1	54,902	1	65,936	1	76,970	1	88,004	1	99,038
1/4	562	1/4	11,249	1/4	22,282	1/4	33,121	1/4	44,098	1/4	55,132	1/4	66,166	1/4	77,200	1/4	88,234	1/4	99,268
1/2	715	1/2	11,479	1/2	22,512	1/2	33,344	1/2	44,328	1/2	55,362	1/2	66,396	1/2	77,430	1/2	88,464	1/2	99,498
3/4	869	3/4	11,708	3/4	22,742	3/4	33,568	3/4	44,558	3/4	55,592	3/4	66,626	3/4	77,660	3/4	88,694	3/4	99,728
2	1,022	2	11,938	2	22,972	2	33,792	2	44,788	2	55,822	2	66,856	2	77,890	2	88,924	2	99,957
1/4	1,230	1/4	12,168	1/4	23,202	1/4	34,015	1/4	45,018	1/4	56,052	1/4	67,086	1/4	78,120	1/4	89,153	1/4	100,187
1/2	1,438	1/2	12,398	1/2	23,431	1/2	34,239	1/2	45,248	1/2	56,282	1/2	67,316	1/2	78,349	1/2	89,383	1/2	100,417
3/4	1,646	3/4	12,628	3/4	23,661	3/4	34,462	3/4	45,478	3/4	56,512	3/4	67,545	3/4	78,579	3/4	89,613	3/4	100,647
3	1,854	3	12,858	3	23,891	3	34,686	3	45,708	3	56,741	3	67,775	3	78,809	3	89,843	3	100,877
1/4	2,080	1/4	13,088	1/4	24,121	1/4	34,913	1/4	45,937	1/4	56,971	1/4	68,005	1/4	79,039	1/4	90,073	1/4	101,107
1/2	2,307	1/2	13,317	1/2	24,351	1/2	35,140	1/2	46,167	1/2	57,201	1/2	68,235	1/2	79,269	1/2	90,303	1/2	101,337
3/4	2,533	3/4	13,547	3/4	24,581	3/4	35,366	3/4	46,397	3/4	57,431	3/4	68,465	3/4	79,499	3/4	90,533	3/4	101,567
4	2,759	4	13,777	4	24,811	4	35,593	4	46,627	4	57,661	4	68,695	4	79,729	4	90,763	4	101,796
1/4	2,987	1/4	14,007	1/4	25,040	1/4	35,823	1/4	46,857	1/4	57,891	1/4	68,925	1/4	79,959	1/4	90,992	1/4	102,026
1/2	3,215	1/2	14,237	1/2	25,270	1/2	36,053	1/2	47,087	1/2	58,121	1/2	69,155	1/2	80,188	1/2	91,222	1/2	102,256
3/4	3,442	3/4	14,467	3/4	25,500	3/4	36,283	3/4	47,317	3/4	58,351	3/4	69,384	3/4	80,418	3/4	91,452	3/4	102,486
5	3,670	5	14,697	5	25,730	5	36,513	5	47,547	5	58,580	5	69,614	5	80,648	5	91,682	5	102,716
1/4	3,899	1/4	14,926	1/4	25,957	1/4	36,743	1/4	47,776	1/4	58,810	1/4	69,844	1/4	80,878	1/4	91,912	1/4	102,946
1/2	4,128	1/2	15,156	1/2	26,184	1/2	36,972	1/2	48,006	1/2	59,040	1/2	70,074	1/2	81,108	1/2	92,142	1/2	103,176
3/4	4,356	3/4	15,386	3/4	26,410	3/4	37,202	3/4	48,236	3/4	59,270	3/4	70,304	3/4	81,338	3/4	92,372	3/4	103,406
6	4,585	6	15,616	6	26,637	6	37,432	6	48,466	6	59,500	6	70,534	6	81,568	6	92,602	6	103,635
1/4	4,815	1/4	15,846	1/4	26,861	1/4	37,662	1/4	48,696	1/4	59,730	1/4	70,764	1/4	81,798	1/4	92,831	1/4	103,865
1/2	5,044	1/2	16,076	1/2	27,084	1/2	37,892	1/2	48,926	1/2	59,960	1/2	70,994	1/2	82,027	1/2	93,061	1/2	104,095
3/4	5,273	3/4	16,306	3/4	27,308	3/4	38,122	3/4	49,156	3/4	60,189	3/4	71,223	3/4	82,257	3/4	93,291	3/4	104,325
7	5,503	7	16,536	7	27,531	7	38,352	7	49,385	7	60,419	7	71,453	7	82,487	7	93,521	7	104,555
1/4	5,733	1/4	16,765	1/4	27,755	1/4	38,581	1/4	49,615	1/4	60,649	1/4	71,683	1/4	82,717	1/4	93,751	1/4	104,785
1/2	5,962	1/2	16,995	1/2	27,978	1/2	38,811	1/2	49,845	1/2	60,879	1/2	71,913	1/2	82,947	1/2	93,981	1/2	105,015
3/4	6,192	3/4	17,225	3/4	28,202	3/4	39,041	3/4	50,075	3/4	61,109	3/4	72,143	3/4	83,177	3/4	94,211	3/4	105,244
8	6,422	8	17,455	8	28,426	8	39,271	8	50,305	8	61,339	8	72,373	8	83,407	8	94,440	8	105,474
1/4	6,652	1/4	17,685	1/4	28,649	1/4	39,501	1/4	50,535	1/4	61,569	1/4	72,603	1/4	83,636	1/4	94,670	1/4	105,704
1/2	6,881	1/2	17,915	1/2	28,873	1/2	39,731	1/2	50,765	1/2	61,799	1/2	72,832	1/2	83,866	1/2	94,900	1/2	105,934
3/4	7,111	3/4	18,145	3/4	29,096	3/4	39,961	3/4	50,995	3/4	62,028	3/4	73,062	3/4	84,096	3/4	95,130	3/4	106,164
9	7,341	9	18,374	9	29,320	9	40,191	9	51,224	9	62,258	9	73,292	9	84,326	9	95,360	9	106,394
1/4	7,571	1/4	18,604	1/4	29,543	1/4	40,420	1/4	51,454	1/4	62,488	1/4	73,522	1/4	84,556	1/4	95,590	1/4	106,624
1/2	7,801	1/2	18,834	1/2	29,767	1/2	40,650	1/2	51,684	1/2	62,718	1/2	73,752	1/2	84,786	1/2	95,820	1/2	106,854
3/4	8,031	3/4	19,064	3/4	29,991	3/4	40,880	3/4	51,914	3/4	62,948	3/4	73,982	3/4	85,016	3/4	96,050	3/4	107,083
10	8,260	10	19,294	10	30,214	10	41,110	10	52,144	10	63,178	10	74,212	10	85,246	10	96,279	10	107,313
1/4	8,490	1/4	19,524	1/4	30,438	1/4	41,340	1/4	52,374	1/4	63,408	1/4	74,442	1/4	85,475	1/4	96,509	1/4	107,543
1/2	8,720	1/2	19,754	1/2	30,661	1/2	41,570	1/2	52,604	1/2	63,638	1/2	74,671	1/2	85,705	1/2	96,739	1/2	107,773
3/4	8,950	3/4	19,983	3/4	30,885	3/4	41,800	3/4	52,834	3/4	63,867	3/4	74,901	3/4	85,935	3/4	96,969	3/4	108,003
11	9,180	11	20,213	11	31,109	11	42,030	11	53,063	11	64,097	11	75,131	11	86,165	11	97,199	11	108,233
1/4	9,410	1/4	20,443	1/4	31,332	1/4	42,259	1/4	53,293	1/4	64,327	1/4	75,361	1/4	86,395	1/4	97,429	1/4	108,463
1/2	9,640	1/2	20,673	1/2	31,556	1/2	42,489	1/2	53,523	1/2	64,557	1/2	75,591	1/2	86,625	1/2	97,659	1/2	108,693
3/4	9,870	3/4	20,903	3/4	31,779	3/4	42,719	3/4	53,753	3/4	64,787	3/4	75,821	3/4	86,855	3/4	97,889	3/4	108,922

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "IB 1101"

2 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	109,152	0	120,186	0	131,220	0	142,254	0	153,236	0		0		0		0		0	
1/4	109,382	1/4	120,416	1/4	131,450	1/4	142,484	1/4	153,407	1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	109,612	1/2	120,646	1/2	131,680	1/2	142,714	1/2	153,578	1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	109,842	3/4	120,876	3/4	131,910	3/4	142,944	3/4	153,749	3/4		3/4	3/4	3/4	3/4		3/4	3/4	
1	110,072	1	121,106	1	132,140	1	143,173	1	153,919	1		1		1		1		1	
1/4	110,302	1/4	121,336	1/4	132,369	1/4	143,403	1/4	154,015	1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	110,532	1/2	121,565	1/2	132,599	1/2	143,633	1/2	154,111	1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	110,761	3/4	121,795	3/4	132,829	3/4	143,863	3/4	154,207	3/4		3/4	3/4	3/4	3/4		3/4	3/4	
2	110,991	2	122,025	2	133,059	2	144,093	2	154,302	2		2		2		2		2	
1/4	111,221	1/4	122,255	1/4	133,289	1/4	144,323	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	111,451	1/2	122,485	1/2	133,519	1/2	144,553	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	111,681	3/4	122,715	3/4	133,749	3/4	144,783	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
3	111,911	3	122,945	3	133,979	3	145,012	3		3		3		3		3		3	
1/4	112,141	1/4	123,175	1/4	134,208	1/4	145,242	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	112,371	1/2	123,404	1/2	134,438	1/2	145,472	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	112,600	3/4	123,634	3/4	134,668	3/4	145,702	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
4	112,830	4	123,864	4	134,898	4	145,932	4		4		4		4		4		4	
1/4	113,060	1/4	124,094	1/4	135,128	1/4	146,162	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	113,290	1/2	124,324	1/2	135,358	1/2	146,392	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	113,520	3/4	124,554	3/4	135,588	3/4	146,622	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
5	113,750	5	124,784	5	135,818	5	146,851	5		5		5		5		5		5	
1/4	113,980	1/4	125,014	1/4	136,047	1/4	147,081	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	114,210	1/2	125,243	1/2	136,277	1/2	147,311	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	114,439	3/4	125,473	3/4	136,507	3/4	147,541	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
6	114,669	6	125,703	6	136,737	6	147,771	6		6		6		6		6		6	
1/4	114,899	1/4	125,933	1/4	136,967	1/4	148,001	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	115,129	1/2	126,163	1/2	137,197	1/2	148,231	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	115,359	3/4	126,393	3/4	137,427	3/4	148,461	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
7	115,589	7	126,623	7	137,656	7	148,690	7		7		7		7		7		7	
1/4	115,819	1/4	126,852	1/4	137,886	1/4	148,920	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	116,048	1/2	127,082	1/2	138,116	1/2	149,150	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	116,278	3/4	127,312	3/4	138,346	3/4	149,380	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
8	116,508	8	127,542	8	138,576	8	149,610	8		8		8		8		8		8	
1/4	116,738	1/4	127,772	1/4	138,806	1/4	149,840	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	116,968	1/2	128,002	1/2	139,036	1/2	150,070	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	117,198	3/4	128,232	3/4	139,266	3/4	150,299	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
9	117,428	9	128,462	9	139,495	9	150,529	9		9		9		9		9		9	
1/4	117,658	1/4	128,691	1/4	139,725	1/4	150,759	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	117,887	1/2	128,921	1/2	139,955	1/2	150,989	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	118,117	3/4	129,151	3/4	140,185	3/4	151,218	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
10	118,347	10	129,381	10	140,415	10	151,448	10		10		10		10		10		10	
1/4	118,577	1/4	129,611	1/4	140,645	1/4	151,677	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	118,807	1/2	129,841	1/2	140,875	1/2	151,906	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	119,037	3/4	130,071	3/4	141,105	3/4	152,135	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
11	119,267	11	130,301	11	141,334	11	152,364	11		11		11		11		11		11	
1/4	119,497	1/4	130,530	1/4	141,564	1/4	152,582	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	119,726	1/2	130,760	1/2	141,794	1/2	152,800	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	119,956	3/4	130,990	3/4	142,024	3/4	153,018	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	

STRAPPED: 03/27/2018 CL
CALCULATED: 03/28/2018 CL
PRINTED: 03/29/2018 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2018

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "IB 1101"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

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	102	0	10,022	0	20,971	0	31,909	0	42,852	0	53,801	0	64,751	0	75,700	0	86,650	0	97,599
1/4	178	1/4	10,250	1/4	21,199	1/4	32,136	1/4	43,080	1/4	54,030	1/4	64,979	1/4	75,928	1/4	86,878	1/4	97,827
1/2	254	1/2	10,478	1/2	21,427	1/2	32,364	1/2	43,308	1/2	54,258	1/2	65,207	1/2	76,156	1/2	87,106	1/2	98,055
3/4	330	3/4	10,707	3/4	21,656	3/4	32,592	3/4	43,536	3/4	54,486	3/4	65,435	3/4	76,385	3/4	87,334	3/4	98,283
1	406	1	10,935	1	21,884	1	32,819	1	43,765	1	54,714	1	65,663	1	76,613	1	87,562	1	98,511
1/4	558	1/4	11,163	1/4	22,112	1/4	33,047	1/4	43,993	1/4	54,942	1/4	65,891	1/4	76,841	1/4	87,790	1/4	98,740
1/2	710	1/2	11,391	1/2	22,340	1/2	33,275	1/2	44,221	1/2	55,170	1/2	66,120	1/2	77,069	1/2	88,018	1/2	98,968
3/4	862	3/4	11,619	3/4	22,568	3/4	33,502	3/4	44,449	3/4	55,398	3/4	66,348	3/4	77,297	3/4	88,246	3/4	99,196
2	1,014	2	11,847	2	22,796	2	33,730	2	44,677	2	55,626	2	66,576	2	77,525	2	88,475	2	99,424
1/4	1,221	1/4	12,075	1/4	23,024	1/4	33,958	1/4	44,905	1/4	55,855	1/4	66,804	1/4	77,753	1/4	88,703	1/4	99,652
1/2	1,427	1/2	12,303	1/2	23,252	1/2	34,185	1/2	45,133	1/2	56,083	1/2	67,032	1/2	77,981	1/2	88,931	1/2	99,880
3/4	1,634	3/4	12,531	3/4	23,480	3/4	34,413	3/4	45,361	3/4	56,311	3/4	67,260	3/4	78,209	3/4	89,159	3/4	100,108
3	1,840	3	12,760	3	23,708	3	34,641	3	45,589	3	56,539	3	67,488	3	78,438	3	89,387	3	100,336
1/4	2,065	1/4	12,988	1/4	23,937	1/4	34,869	1/4	45,818	1/4	56,767	1/4	67,716	1/4	78,666	1/4	89,615	1/4	100,564
1/2	2,289	1/2	13,216	1/2	24,165	1/2	35,097	1/2	46,046	1/2	56,995	1/2	67,944	1/2	78,894	1/2	89,843	1/2	100,793
3/4	2,514	3/4	13,444	3/4	24,393	3/4	35,325	3/4	46,274	3/4	57,223	3/4	68,173	3/4	79,122	3/4	90,071	3/4	101,021
4	2,738	4	13,672	4	24,621	4	35,553	4	46,502	4	57,451	4	68,401	4	79,350	4	90,299	4	101,249
1/4	2,964	1/4	13,900	1/4	24,849	1/4	35,781	1/4	46,730	1/4	57,679	1/4	68,629	1/4	79,578	1/4	90,528	1/4	101,477
1/2	3,190	1/2	14,128	1/2	25,077	1/2	36,009	1/2	46,958	1/2	57,908	1/2	68,857	1/2	79,806	1/2	90,756	1/2	101,705
3/4	3,416	3/4	14,356	3/4	25,305	3/4	36,237	3/4	47,186	3/4	58,136	3/4	69,085	3/4	80,034	3/4	90,984	3/4	101,933
5	3,642	5	14,584	5	25,533	5	36,465	5	47,414	5	58,364	5	69,313	5	80,262	5	91,212	5	102,161
1/4	3,869	1/4	14,812	1/4	25,761	1/4	36,693	1/4	47,642	1/4	58,592	1/4	69,541	1/4	80,491	1/4	91,440	1/4	102,389
1/2	4,096	1/2	15,041	1/2	25,989	1/2	36,921	1/2	47,871	1/2	58,820	1/2	69,769	1/2	80,719	1/2	91,668	1/2	102,617
3/4	4,323	3/4	15,269	3/4	26,217	3/4	37,149	3/4	48,099	3/4	59,048	3/4	69,997	3/4	80,947	3/4	91,896	3/4	102,846
6	4,550	6	15,497	6	26,445	6	37,377	6	48,327	6	59,276	6	70,226	6	81,175	6	92,124	6	103,074
1/4	4,778	1/4	15,725	1/4	26,672	1/4	37,606	1/4	48,555	1/4	59,504	1/4	70,454	1/4	81,403	1/4	92,352	1/4	103,302
1/2	5,006	1/2	15,953	1/2	26,900	1/2	37,834	1/2	48,783	1/2	59,732	1/2	70,682	1/2	81,631	1/2	92,581	1/2	103,530
3/4	5,233	3/4	16,181	3/4	27,128	3/4	38,062	3/4	49,011	3/4	59,961	3/4	70,910	3/4	81,859	3/4	92,809	3/4	103,758
7	5,461	7	16,409	7	27,355	7	38,290	7	49,239	7	60,189	7	71,138	7	82,087	7	93,037	7	103,986
1/4	5,689	1/4	16,637	1/4	27,583	1/4	38,518	1/4	49,467	1/4	60,417	1/4	71,366	1/4	82,316	1/4	93,265	1/4	104,214
1/2	5,917	1/2	16,865	1/2	27,811	1/2	38,746	1/2	49,695	1/2	60,645	1/2	71,594	1/2	82,544	1/2	93,493	1/2	104,442
3/4	6,145	3/4	17,093	3/4	28,038	3/4	38,974	3/4	49,924	3/4	60,873	3/4	71,822	3/4	82,772	3/4	93,721	3/4	104,670
8	6,373	8	17,322	8	28,266	8	39,202	8	50,152	8	61,101	8	72,050	8	83,000	8	93,949	8	104,899
1/4	6,601	1/4	17,550	1/4	28,494	1/4	39,430	1/4	50,380	1/4	61,329	1/4	72,279	1/4	83,228	1/4	94,177	1/4	105,127
1/2	6,829	1/2	17,778	1/2	28,721	1/2	39,659	1/2	50,608	1/2	61,557	1/2	72,507	1/2	83,456	1/2	94,405	1/2	105,355
3/4	7,057	3/4	18,006	3/4	28,949	3/4	39,887	3/4	50,836	3/4	61,785	3/4	72,735	3/4	83,684	3/4	94,634	3/4	105,583
9	7,285	9	18,234	9	29,177	9	40,115	9	51,064	9	62,014	9	72,963	9	83,912	9	94,862	9	105,811
1/4	7,513	1/4	18,462	1/4	29,404	1/4	40,343	1/4	51,292	1/4	62,242	1/4	73,191	1/4	84,140	1/4	95,090	1/4	106,039
1/2	7,741	1/2	18,690	1/2	29,632	1/2	40,571	1/2	51,520	1/2	62,470	1/2	73,419	1/2	84,369	1/2	95,318	1/2	106,267
3/4	7,969	3/4	18,918	3/4	29,860	3/4	40,799	3/4	51,748	3/4	62,698	3/4	73,647	3/4	84,597	3/4	95,546	3/4	106,495
10	8,197	10	19,146	10	30,087	10	41,027	10	51,977	10	62,926	10	73,875	10	84,825	10	95,774	10	106,724
1/4	8,426	1/4	19,374	1/4	30,315	1/4	41,255	1/4	52,205	1/4	63,154	1/4	74,103	1/4	85,053	1/4	96,002	1/4	106,952
1/2	8,654	1/2	19,603	1/2	30,543	1/2	41,483	1/2	52,433	1/2	63,382	1/2	74,332	1/2	85,281	1/2	96,230	1/2	107,180
3/4	8,882	3/4	19,831	3/4	30,770	3/4	41,712	3/4	52,661	3/4	63,610	3/4	74,560	3/4	85,509	3/4	96,458	3/4	107,408
11	9,110	11	20,059	11	30,998	11	41,940	11	52,889	11	63,838	11	74,788	11	85,737	11	96,687	11	107,636
1/4	9,338	1/4	20,287	1/4	31,226	1/4	42,168	1/4	53,117	1/4	64,067	1/4	75,016	1/4	85,965	1/4	96,915	1/4	107,864
1/2	9,566	1/2	20,515	1/2	31,453	1/2	42,396	1/2	53,345	1/2	64,295	1/2	75,244	1/2	86,193	1/2	97,143	1/2	108,092
3/4	9,794	3/4	20,743	3/4	31,681	3/4	42,624	3/4	53,573	3/4	64,523	3/4	75,472	3/4	86,422	3/4	97,371	3/4	108,320

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 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 1101"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

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	108,548	0	119,498	0	130,447	0	141,397	0	152,295	0		0		0		0		0	
1/4	108,777	1/4	119,726	1/4	130,675	1/4	141,625	1/4	152,464	1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	109,005	1/2	119,954	1/2	130,903	1/2	141,853	1/2	152,634	1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	109,233	3/4	120,182	3/4	131,131	3/4	142,081	3/4	152,803	3/4		3/4	3/4	3/4	3/4		3/4	3/4	
1	109,461	1	120,410	1	131,360	1	142,309	1	152,973	1		1		1		1		1	
1/4	109,689	1/4	120,638	1/4	131,588	1/4	142,537	1/4	153,068	1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	109,917	1/2	120,866	1/2	131,816	1/2	142,765	1/2	153,163	1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	110,145	3/4	121,095	3/4	132,044	3/4	142,993	3/4	153,258	3/4		3/4	3/4	3/4	3/4		3/4	3/4	
2	110,373	2	121,323	2	132,272	2	143,221	2	153,353	2		2		2		2		2	
1/4	110,601	1/4	121,551	1/4	132,500	1/4	143,450	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	110,830	1/2	121,779	1/2	132,728	1/2	143,678	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	111,058	3/4	122,007	3/4	132,956	3/4	143,906	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
3	111,286	3	122,235	3	133,185	3	144,134	3		3		3		3		3		3	
1/4	111,514	1/4	122,463	1/4	133,413	1/4	144,362	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	111,742	1/2	122,691	1/2	133,641	1/2	144,590	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	111,970	3/4	122,919	3/4	133,869	3/4	144,818	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
4	112,198	4	123,148	4	134,097	4	145,046	4		4		4		4		4		4	
1/4	112,426	1/4	123,376	1/4	134,325	1/4	145,274	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	112,654	1/2	123,604	1/2	134,553	1/2	145,503	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	112,883	3/4	123,832	3/4	134,781	3/4	145,731	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
5	113,111	5	124,060	5	135,009	5	145,959	5		5		5		5		5		5	
1/4	113,339	1/4	124,288	1/4	135,238	1/4	146,187	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	113,567	1/2	124,516	1/2	135,466	1/2	146,415	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	113,795	3/4	124,744	3/4	135,694	3/4	146,643	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
6	114,023	6	124,972	6	135,922	6	146,871	6		6		6		6		6		6	
1/4	114,251	1/4	125,201	1/4	136,150	1/4	147,099	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	114,479	1/2	125,429	1/2	136,378	1/2	147,327	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	114,707	3/4	125,657	3/4	136,606	3/4	147,556	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
7	114,936	7	125,885	7	136,834	7	147,784	7		7		7		7		7		7	
1/4	115,164	1/4	126,113	1/4	137,062	1/4	148,012	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	115,392	1/2	126,341	1/2	137,291	1/2	148,240	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	115,620	3/4	126,569	3/4	137,519	3/4	148,468	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
8	115,848	8	126,797	8	137,747	8	148,696	8		8		8		8		8		8	
1/4	116,076	1/4	127,025	1/4	137,975	1/4	148,924	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	116,304	1/2	127,254	1/2	138,203	1/2	149,152	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	116,532	3/4	127,482	3/4	138,431	3/4	149,380	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
9	116,760	9	127,710	9	138,659	9	149,609	9		9		9		9		9		9	
1/4	116,989	1/4	127,938	1/4	138,887	1/4	149,836	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	117,217	1/2	128,166	1/2	139,115	1/2	150,064	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	117,445	3/4	128,394	3/4	139,344	3/4	150,292	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
10	117,673	10	128,622	10	139,572	10	150,520	10		10		10		10		10		10	
1/4	117,901	1/4	128,850	1/4	139,800	1/4	150,747	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	118,129	1/2	129,078	1/2	140,028	1/2	150,975	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	118,357	3/4	129,307	3/4	140,256	3/4	151,202	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
11	118,585	11	129,535	11	140,484	11	151,429	11		11		11		11		11		11	
1/4	118,813	1/4	129,763	1/4	140,712	1/4	151,646	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	119,042	1/2	129,991	1/2	140,940	1/2	151,862	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	119,270	3/4	130,219	3/4	141,168	3/4	152,078	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2018

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