



BARGE "IB 1100"

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 1100"

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	256	0	11,568	0	24,037	0	36,339	0	48,714	0	61,175	0	73,620	0	86,089	0	98,556	0	111,024
1/4	343	1/4	11,828	1/4	24,296	1/4	36,593	1/4	48,974	1/4	61,434	1/4	73,880	1/4	86,348	1/4	98,816	1/4	111,284
1/2	430	1/2	12,087	1/2	24,556	1/2	36,846	1/2	49,233	1/2	61,693	1/2	74,140	1/2	86,608	1/2	99,076	1/2	111,544
3/4	517	3/4	12,347	3/4	24,816	3/4	37,099	3/4	49,493	3/4	61,953	3/4	74,400	3/4	86,868	3/4	99,336	3/4	111,803
1	603	1	12,607	1	25,076	1	37,353	1	49,753	1	62,212	1	74,659	1	87,128	1	99,595	1	112,063
1/4	777	1/4	12,867	1/4	25,335	1/4	37,606	1/4	50,012	1/4	62,471	1/4	74,919	1/4	87,387	1/4	99,855	1/4	112,323
1/2	950	1/2	13,126	1/2	25,595	1/2	37,860	1/2	50,272	1/2	62,730	1/2	75,179	1/2	87,647	1/2	100,115	1/2	112,583
3/4	1,123	3/4	13,386	3/4	25,855	3/4	38,113	3/4	50,531	3/4	62,989	3/4	75,439	3/4	87,907	3/4	100,375	3/4	112,842
2	1,297	2	13,646	2	26,115	2	38,366	2	50,791	2	63,248	2	75,699	2	88,167	2	100,634	2	113,102
1/4	1,532	1/4	13,906	1/4	26,374	1/4	38,620	1/4	51,051	1/4	63,508	1/4	75,958	1/4	88,426	1/4	100,894	1/4	113,362
1/2	1,768	1/2	14,166	1/2	26,634	1/2	38,873	1/2	51,310	1/2	63,767	1/2	76,218	1/2	88,686	1/2	101,154	1/2	113,622
3/4	2,004	3/4	14,425	3/4	26,894	3/4	39,127	3/4	51,570	3/4	64,026	3/4	76,478	3/4	88,946	3/4	101,413	3/4	113,881
3	2,239	3	14,685	3	27,154	3	39,380	3	51,830	3	64,285	3	76,738	3	89,206	3	101,673	3	114,141
1/4	2,495	1/4	14,945	1/4	27,413	1/4	39,637	1/4	52,089	1/4	64,544	1/4	76,997	1/4	89,465	1/4	101,933	1/4	114,401
1/2	2,752	1/2	15,205	1/2	27,673	1/2	39,893	1/2	52,349	1/2	64,803	1/2	77,257	1/2	89,725	1/2	102,193	1/2	114,661
3/4	3,008	3/4	15,464	3/4	27,933	3/4	40,150	3/4	52,608	3/4	65,062	3/4	77,517	3/4	89,985	3/4	102,452	3/4	114,920
4	3,264	4	15,724	4	28,193	4	40,406	4	52,868	4	65,322	4	77,777	4	90,245	4	102,712	4	115,180
1/4	3,522	1/4	15,984	1/4	28,453	1/4	40,666	1/4	53,128	1/4	65,581	1/4	78,036	1/4	90,504	1/4	102,972	1/4	115,440
1/2	3,780	1/2	16,244	1/2	28,712	1/2	40,925	1/2	53,387	1/2	65,840	1/2	78,296	1/2	90,764	1/2	103,232	1/2	115,700
3/4	4,037	3/4	16,503	3/4	28,972	3/4	41,185	3/4	53,647	3/4	66,099	3/4	78,556	3/4	91,024	3/4	103,491	3/4	115,959
5	4,295	5	16,763	5	29,232	5	41,445	5	53,907	5	66,358	5	78,816	5	91,284	5	103,751	5	116,219
1/4	4,554	1/4	17,023	1/4	29,488	1/4	41,704	1/4	54,166	1/4	66,617	1/4	79,075	1/4	91,543	1/4	104,011	1/4	116,479
1/2	4,813	1/2	17,283	1/2	29,745	1/2	41,964	1/2	54,426	1/2	66,876	1/2	79,335	1/2	91,803	1/2	104,271	1/2	116,739
3/4	5,073	3/4	17,542	3/4	30,002	3/4	42,223	3/4	54,685	3/4	67,136	3/4	79,595	3/4	92,063	3/4	104,530	3/4	116,998
6	5,332	6	17,802	6	30,258	6	42,483	6	54,945	6	67,395	6	79,855	6	92,323	6	104,790	6	117,258
1/4	5,591	1/4	18,062	1/4	30,511	1/4	42,743	1/4	55,205	1/4	67,654	1/4	80,114	1/4	92,582	1/4	105,050	1/4	117,518
1/2	5,851	1/2	18,322	1/2	30,765	1/2	43,002	1/2	55,464	1/2	67,913	1/2	80,374	1/2	92,842	1/2	105,310	1/2	117,778
3/4	6,110	3/4	18,582	3/4	31,018	3/4	43,262	3/4	55,724	3/4	68,172	3/4	80,634	3/4	93,102	3/4	105,569	3/4	118,037
7	6,370	7	18,841	7	31,272	7	43,522	7	55,984	7	68,431	7	80,894	7	93,362	7	105,829	7	118,297
1/4	6,630	1/4	19,101	1/4	31,525	1/4	43,781	1/4	56,243	1/4	68,691	1/4	81,153	1/4	93,622	1/4	106,089	1/4	118,557
1/2	6,890	1/2	19,361	1/2	31,778	1/2	44,041	1/2	56,503	1/2	68,950	1/2	81,413	1/2	93,881	1/2	106,349	1/2	118,817
3/4	7,149	3/4	19,621	3/4	32,032	3/4	44,300	3/4	56,762	3/4	69,209	3/4	81,673	3/4	94,141	3/4	106,608	3/4	119,076
8	7,409	8	19,880	8	32,285	8	44,560	8	57,022	8	69,468	8	81,933	8	94,401	8	106,868	8	119,336
1/4	7,669	1/4	20,140	1/4	32,539	1/4	44,820	1/4	57,282	1/4	69,727	1/4	82,192	1/4	94,661	1/4	107,128	1/4	119,596
1/2	7,929	1/2	20,400	1/2	32,792	1/2	45,079	1/2	57,541	1/2	69,986	1/2	82,452	1/2	94,920	1/2	107,388	1/2	119,856
3/4	8,189	3/4	20,660	3/4	33,045	3/4	45,339	3/4	57,801	3/4	70,245	3/4	82,712	3/4	95,180	3/4	107,647	3/4	120,115
9	8,449	9	20,919	9	33,299	9	45,599	9	58,061	9	70,505	9	82,972	9	95,440	9	107,907	9	120,375
1/4	8,709	1/4	21,179	1/4	33,552	1/4	45,858	1/4	58,320	1/4	70,764	1/4	83,231	1/4	95,699	1/4	108,167	1/4	120,616
1/2	8,969	1/2	21,439	1/2	33,805	1/2	46,118	1/2	58,580	1/2	71,024	1/2	83,491	1/2	95,959	1/2	108,427	1/2	120,857
3/4	9,229	3/4	21,699	3/4	34,059	3/4	46,377	3/4	58,839	3/4	71,283	3/4	83,751	3/4	96,219	3/4	108,686	3/4	121,097
10	9,489	10	21,958	10	34,312	10	46,637	10	59,099	10	71,542	10	84,011	10	96,479	10	108,946	10	121,338
1/4	9,749	1/4	22,218	1/4	34,566	1/4	46,897	1/4	59,359	1/4	71,802	1/4	84,270	1/4	96,738	1/4	109,206	1/4	121,560
1/2	10,009	1/2	22,478	1/2	34,819	1/2	47,156	1/2	59,618	1/2	72,062	1/2	84,530	1/2	96,998	1/2	109,466	1/2	121,782
3/4	10,269	3/4	22,738	3/4	35,072	3/4	47,416	3/4	59,878	3/4	72,322	3/4	84,790	3/4	97,258	3/4	109,725	3/4	122,004
11	10,529	11	22,997	11	35,326	11	47,676	11	60,138	11	72,581	11	85,050	11	97,518	11	109,985	11	122,226
1/4	10,789	1/4	23,257	1/4	35,579	1/4	47,935	1/4	60,397	1/4	72,841	1/4	85,309	1/4	97,777	1/4	110,245	1/4	122,448
1/2	11,048	1/2	23,517	1/2	35,832	1/2	48,195	1/2	60,656	1/2	73,101	1/2	85,569	1/2	98,037	1/2	110,505	1/2	122,670
3/4	11,308	3/4	23,777	3/4	36,086	3/4	48,454	3/4	60,916	3/4	73,361	3/4	85,829	3/4	98,297	3/4	110,764	3/4	122,892

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.

PRECISION MEASUREMENT
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BARGE "IB 1100"

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	123,115	0	133,779	0	144,444	0	155,108	0	165,714	0		0		0		0		0	
1/4	123,337	1/4	134,001	1/4	144,666	1/4	155,330	1/4	165,870	1/4		1/4		1/4		1/4		1/4	
1/2	123,559	1/2	134,223	1/2	144,888	1/2	155,553	1/2	166,025	1/2		1/2		1/2		1/2		1/2	
3/4	123,781	3/4	134,446	3/4	145,110	3/4	155,775	3/4	166,180	3/4		3/4		3/4		3/4		3/4	
1	124,003	1	134,668	1	145,332	1	155,997	1	166,336	1		1		1		1		1	
1/4	124,225	1/4	134,890	1/4	145,555	1/4	156,219	1/4	166,425	1/4		1/4		1/4		1/4		1/4	
1/2	124,448	1/2	135,112	1/2	145,777	1/2	156,441	1/2	166,514	1/2		1/2		1/2		1/2		1/2	
3/4	124,670	3/4	135,334	3/4	145,999	3/4	156,663	3/4	166,604	3/4		3/4		3/4		3/4		3/4	
2	124,892	2	135,557	2	146,221	2	156,886	2	166,693	2		2		2		2		2	
1/4	125,114	1/4	135,779	1/4	146,443	1/4	157,108	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	125,336	1/2	136,001	1/2	146,665	1/2	157,330	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	125,558	3/4	136,223	3/4	146,888	3/4	157,552	3/4		3/4		3/4		3/4		3/4		3/4	
3	125,781	3	136,445	3	147,110	3	157,774	3		3		3		3		3		3	
1/4	126,003	1/4	136,667	1/4	147,332	1/4	157,997	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,225	1/2	136,890	1/2	147,554	1/2	158,219	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,447	3/4	137,112	3/4	147,776	3/4	158,441	3/4		3/4		3/4		3/4		3/4		3/4	
4	126,669	4	137,334	4	147,999	4	158,663	4		4		4		4		4		4	
1/4	126,892	1/4	137,556	1/4	148,221	1/4	158,885	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,114	1/2	137,778	1/2	148,443	1/2	159,107	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,336	3/4	138,000	3/4	148,665	3/4	159,330	3/4		3/4		3/4		3/4		3/4		3/4	
5	127,558	5	138,223	5	148,887	5	159,552	5		5		5		5		5		5	
1/4	127,780	1/4	138,445	1/4	149,109	1/4	159,774	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,002	1/2	138,667	1/2	149,332	1/2	159,996	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,225	3/4	138,889	3/4	149,554	3/4	160,218	3/4		3/4		3/4		3/4		3/4		3/4	
6	128,447	6	139,111	6	149,776	6	160,441	6		6		6		6		6		6	
1/4	128,669	1/4	139,334	1/4	149,998	1/4	160,663	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,891	1/2	139,556	1/2	150,220	1/2	160,885	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,113	3/4	139,778	3/4	150,442	3/4	161,107	3/4		3/4		3/4		3/4		3/4		3/4	
7	129,336	7	140,000	7	150,665	7	161,329	7		7		7		7		7		7	
1/4	129,558	1/4	140,222	1/4	150,887	1/4	161,551	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	129,780	1/2	140,444	1/2	151,109	1/2	161,774	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	130,002	3/4	140,667	3/4	151,331	3/4	161,996	3/4		3/4		3/4		3/4		3/4		3/4	
8	130,224	8	140,889	8	151,553	8	162,218	8		8		8		8		8		8	
1/4	130,446	1/4	141,111	1/4	151,776	1/4	162,440	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	130,669	1/2	141,333	1/2	151,998	1/2	162,662	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	130,891	3/4	141,555	3/4	152,220	3/4	162,884	3/4		3/4		3/4		3/4		3/4		3/4	
9	131,113	9	141,778	9	152,442	9	163,107	9		9		9		9		9		9	
1/4	131,335	1/4	142,000	1/4	152,664	1/4	163,329	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	131,557	1/2	142,222	1/2	152,886	1/2	163,551	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	131,779	3/4	142,444	3/4	153,109	3/4	163,772	3/4		3/4		3/4		3/4		3/4		3/4	
10	132,002	10	142,666	10	153,331	10	163,994	10		10		10		10		10		10	
1/4	132,224	1/4	142,888	1/4	153,553	1/4	164,216	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	132,446	1/2	143,111	1/2	153,775	1/2	164,437	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	132,668	3/4	143,333	3/4	153,997	3/4	164,658	3/4		3/4		3/4		3/4		3/4		3/4	
11	132,890	11	143,555	11	154,220	11	164,879	11		11		11		11		11		11	
1/4	133,113	1/4	143,777	1/4	154,442	1/4	165,088	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	133,335	1/2	143,999	1/2	154,664	1/2	165,297	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	133,557	3/4	144,221	3/4	154,886	3/4	165,505	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 1100"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02"

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	10,092	0	21,118	0	31,980	0	42,919	0	53,945	0	64,971	0	75,997	0	87,023	0	98,049
1/4	179	1/4	10,322	1/4	21,347	1/4	32,204	1/4	43,148	1/4	54,174	1/4	65,200	1/4	76,226	1/4	87,252	1/4	98,278
1/2	256	1/2	10,552	1/2	21,577	1/2	32,427	1/2	43,378	1/2	54,404	1/2	65,430	1/2	76,456	1/2	87,482	1/2	98,508
3/4	332	3/4	10,781	3/4	21,807	3/4	32,650	3/4	43,608	3/4	54,634	3/4	65,660	3/4	76,686	3/4	87,712	3/4	98,738
1	409	1	11,011	1	22,037	1	32,874	1	43,837	1	54,863	1	65,889	1	76,916	1	87,942	1	98,968
1/4	562	1/4	11,241	1/4	22,266	1/4	33,097	1/4	44,067	1/4	55,093	1/4	66,119	1/4	77,145	1/4	88,171	1/4	99,197
1/2	715	1/2	11,470	1/2	22,496	1/2	33,321	1/2	44,297	1/2	55,323	1/2	66,349	1/2	77,375	1/2	88,401	1/2	99,427
3/4	868	3/4	11,700	3/4	22,726	3/4	33,544	3/4	44,527	3/4	55,553	3/4	66,579	3/4	77,605	3/4	88,631	3/4	99,657
2	1,021	2	11,930	2	22,955	2	33,768	2	44,756	2	55,782	2	66,808	2	77,834	2	88,860	2	99,886
1/4	1,229	1/4	12,159	1/4	23,185	1/4	33,991	1/4	44,986	1/4	56,012	1/4	67,038	1/4	78,064	1/4	89,090	1/4	100,116
1/2	1,437	1/2	12,389	1/2	23,415	1/2	34,215	1/2	45,216	1/2	56,242	1/2	67,268	1/2	78,294	1/2	89,320	1/2	100,346
3/4	1,645	3/4	12,619	3/4	23,644	3/4	34,438	3/4	45,445	3/4	56,471	3/4	67,497	3/4	78,523	3/4	89,550	3/4	100,576
3	1,853	3	12,849	3	23,874	3	34,661	3	45,675	3	56,701	3	67,727	3	78,753	3	89,779	3	100,805
1/4	2,079	1/4	13,078	1/4	24,104	1/4	34,888	1/4	45,905	1/4	56,931	1/4	67,957	1/4	78,983	1/4	90,009	1/4	101,035
1/2	2,305	1/2	13,308	1/2	24,334	1/2	35,115	1/2	46,134	1/2	57,161	1/2	68,187	1/2	79,213	1/2	90,239	1/2	101,265
3/4	2,531	3/4	13,538	3/4	24,563	3/4	35,341	3/4	46,364	3/4	57,390	3/4	68,416	3/4	79,442	3/4	90,468	3/4	101,494
4	2,757	4	13,767	4	24,793	4	35,568	4	46,594	4	57,620	4	68,646	4	79,672	4	90,698	4	101,724
1/4	2,985	1/4	13,997	1/4	25,023	1/4	35,798	1/4	46,824	1/4	57,850	1/4	68,876	1/4	79,902	1/4	90,928	1/4	101,954
1/2	3,212	1/2	14,227	1/2	25,252	1/2	36,027	1/2	47,053	1/2	58,079	1/2	69,105	1/2	80,131	1/2	91,157	1/2	102,184
3/4	3,440	3/4	14,456	3/4	25,482	3/4	36,257	3/4	47,283	3/4	58,309	3/4	69,335	3/4	80,361	3/4	91,387	3/4	102,413
5	3,668	5	14,686	5	25,712	5	36,487	5	47,513	5	58,539	5	69,565	5	80,591	5	91,617	5	102,643
1/4	3,896	1/4	14,916	1/4	25,938	1/4	36,716	1/4	47,742	1/4	58,768	1/4	69,795	1/4	80,821	1/4	91,847	1/4	102,873
1/2	4,125	1/2	15,146	1/2	26,165	1/2	36,946	1/2	47,972	1/2	58,998	1/2	70,024	1/2	81,050	1/2	92,076	1/2	103,102
3/4	4,353	3/4	15,375	3/4	26,391	3/4	37,176	3/4	48,202	3/4	59,228	3/4	70,254	3/4	81,280	3/4	92,306	3/4	103,332
6	4,582	6	15,605	6	26,618	6	37,406	6	48,432	6	59,458	6	70,484	6	81,510	6	92,536	6	103,562
1/4	4,811	1/4	15,835	1/4	26,841	1/4	37,635	1/4	48,661	1/4	59,687	1/4	70,713	1/4	81,739	1/4	92,765	1/4	103,791
1/2	5,040	1/2	16,064	1/2	27,065	1/2	37,865	1/2	48,891	1/2	59,917	1/2	70,943	1/2	81,969	1/2	92,995	1/2	104,021
3/4	5,270	3/4	16,294	3/4	27,288	3/4	38,095	3/4	49,121	3/4	60,147	3/4	71,173	3/4	82,199	3/4	93,225	3/4	104,251
7	5,499	7	16,524	7	27,512	7	38,324	7	49,350	7	60,376	7	71,402	7	82,429	7	93,455	7	104,481
1/4	5,728	1/4	16,753	1/4	27,735	1/4	38,554	1/4	49,580	1/4	60,606	1/4	71,632	1/4	82,658	1/4	93,684	1/4	104,710
1/2	5,958	1/2	16,983	1/2	27,959	1/2	38,784	1/2	49,810	1/2	60,836	1/2	71,862	1/2	82,888	1/2	93,914	1/2	104,940
3/4	6,188	3/4	17,213	3/4	28,182	3/4	39,014	3/4	50,040	3/4	61,066	3/4	72,092	3/4	83,118	3/4	94,144	3/4	105,170
8	6,417	8	17,443	8	28,405	8	39,243	8	50,269	8	61,295	8	72,321	8	83,347	8	94,373	8	105,399
1/4	6,647	1/4	17,672	1/4	28,629	1/4	39,473	1/4	50,499	1/4	61,525	1/4	72,551	1/4	83,577	1/4	94,603	1/4	105,629
1/2	6,876	1/2	17,902	1/2	28,852	1/2	39,703	1/2	50,729	1/2	61,755	1/2	72,781	1/2	83,807	1/2	94,833	1/2	105,859
3/4	7,106	3/4	18,132	3/4	29,076	3/4	39,932	3/4	50,958	3/4	61,984	3/4	73,010	3/4	84,036	3/4	95,063	3/4	106,089
9	7,336	9	18,361	9	29,299	9	40,162	9	51,188	9	62,214	9	73,240	9	84,266	9	95,292	9	106,318
1/4	7,566	1/4	18,591	1/4	29,522	1/4	40,392	1/4	51,418	1/4	62,444	1/4	73,470	1/4	84,496	1/4	95,522	1/4	106,548
1/2	7,795	1/2	18,821	1/2	29,746	1/2	40,621	1/2	51,648	1/2	62,674	1/2	73,700	1/2	84,726	1/2	95,752	1/2	106,778
3/4	8,025	3/4	19,050	3/4	29,969	3/4	40,851	3/4	51,877	3/4	62,903	3/4	73,929	3/4	84,955	3/4	95,981	3/4	107,007
10	8,255	10	19,280	10	30,193	10	41,081	10	52,107	10	63,133	10	74,159	10	85,185	10	96,211	10	107,237
1/4	8,484	1/4	19,510	1/4	30,416	1/4	41,311	1/4	52,337	1/4	63,363	1/4	74,389	1/4	85,415	1/4	96,441	1/4	107,467
1/2	8,714	1/2	19,740	1/2	30,640	1/2	41,540	1/2	52,566	1/2	63,592	1/2	74,618	1/2	85,644	1/2	96,670	1/2	107,697
3/4	8,944	3/4	19,969	3/4	30,863	3/4	41,770	3/4	52,796	3/4	63,822	3/4	74,848	3/4	85,874	3/4	96,900	3/4	107,926
11	9,173	11	20,199	11	31,086	11	42,000	11	53,026	11	64,052	11	75,078	11	86,104	11	97,130	11	108,156
1/4	9,403	1/4	20,429	1/4	31,310	1/4	42,229	1/4	53,255	1/4	64,282	1/4	75,308	1/4	86,334	1/4	97,360	1/4	108,386
1/2	9,633	1/2	20,658	1/2	31,533	1/2	42,459	1/2	53,485	1/2	64,511	1/2	75,537	1/2	86,563	1/2	97,589	1/2	108,615
3/4	9,862	3/4	20,888	3/4	31,757	3/4	42,689	3/4	53,715	3/4	64,741	3/4	75,767	3/4	86,793	3/4	97,819	3/4	108,845

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.

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Pearland, Texas 77588

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BARGE "IB 1100"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02"

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	109,075	0	120,101	0	131,127	0	142,153	0	153,127	0		0		0		0		0	
1/4	109,304	1/4	120,331	1/4	131,357	1/4	142,383	1/4	153,298	1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	109,534	1/2	120,560	1/2	131,586	1/2	142,612	1/2	153,469	1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	109,764	3/4	120,790	3/4	131,816	3/4	142,842	3/4	153,639	3/4		3/4	3/4	3/4	3/4		3/4	3/4	
1	109,994	1	121,020	1	132,046	1	143,072	1	153,810	1		1		1		1		1	
1/4	110,223	1/4	121,249	1/4	132,275	1/4	143,301	1/4	153,906	1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	110,453	1/2	121,479	1/2	132,505	1/2	143,531	1/2	154,001	1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	110,683	3/4	121,709	3/4	132,735	3/4	143,761	3/4	154,097	3/4		3/4	3/4	3/4	3/4		3/4	3/4	
2	110,912	2	121,938	2	132,965	2	143,991	2	154,193	2		2		2		2		2	
1/4	111,142	1/4	122,168	1/4	133,194	1/4	144,220	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	111,372	1/2	122,398	1/2	133,424	1/2	144,450	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	111,602	3/4	122,628	3/4	133,654	3/4	144,680	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
3	111,831	3	122,857	3	133,883	3	144,909	3		3		3		3		3		3	
1/4	112,061	1/4	123,087	1/4	134,113	1/4	145,139	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	112,291	1/2	123,317	1/2	134,343	1/2	145,369	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	112,520	3/4	123,546	3/4	134,572	3/4	145,599	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
4	112,750	4	123,776	4	134,802	4	145,828	4		4		4		4		4		4	
1/4	112,980	1/4	124,006	1/4	135,032	1/4	146,058	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	113,210	1/2	124,236	1/2	135,262	1/2	146,288	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	113,439	3/4	124,465	3/4	135,491	3/4	146,517	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
5	113,669	5	124,695	5	135,721	5	146,747	5		5		5		5		5		5	
1/4	113,899	1/4	124,925	1/4	135,951	1/4	146,977	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	114,128	1/2	125,154	1/2	136,180	1/2	147,206	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	114,358	3/4	125,384	3/4	136,410	3/4	147,436	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
6	114,588	6	125,614	6	136,640	6	147,666	6		6		6		6		6		6	
1/4	114,818	1/4	125,844	1/4	136,870	1/4	147,896	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	115,047	1/2	126,073	1/2	137,099	1/2	148,125	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	115,277	3/4	126,303	3/4	137,329	3/4	148,355	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
7	115,507	7	126,533	7	137,559	7	148,585	7		7		7		7		7		7	
1/4	115,736	1/4	126,762	1/4	137,788	1/4	148,814	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	115,966	1/2	126,992	1/2	138,018	1/2	149,044	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	116,196	3/4	127,222	3/4	138,248	3/4	149,274	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
8	116,425	8	127,452	8	138,478	8	149,504	8		8		8		8		8		8	
1/4	116,655	1/4	127,681	1/4	138,707	1/4	149,733	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	116,885	1/2	127,911	1/2	138,937	1/2	149,963	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	117,115	3/4	128,141	3/4	139,167	3/4	150,193	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
9	117,344	9	128,370	9	139,396	9	150,422	9		9		9		9		9		9	
1/4	117,574	1/4	128,600	1/4	139,626	1/4	150,652	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	117,804	1/2	128,830	1/2	139,856	1/2	150,881	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	118,033	3/4	129,059	3/4	140,086	3/4	151,111	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
10	118,263	10	129,289	10	140,315	10	151,340	10		10		10		10		10		10	
1/4	118,493	1/4	129,519	1/4	140,545	1/4	151,569	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	118,723	1/2	129,749	1/2	140,775	1/2	151,798	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	118,952	3/4	129,978	3/4	141,004	3/4	152,027	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
11	119,182	11	130,208	11	141,234	11	152,256	11		11		11		11		11		11	
1/4	119,412	1/4	130,438	1/4	141,464	1/4	152,474	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	119,641	1/2	130,667	1/2	141,693	1/2	152,692	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	119,871	3/4	130,897	3/4	141,923	3/4	152,909	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 1100"

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	10,019	0	20,963	0	31,897	0	42,836	0	53,781	0	64,727	0	75,672	0	86,617	0	97,563
1/4	178	1/4	10,247	1/4	21,191	1/4	32,124	1/4	43,064	1/4	54,009	1/4	64,955	1/4	75,900	1/4	86,845	1/4	97,791
1/2	254	1/2	10,475	1/2	21,419	1/2	32,352	1/2	43,292	1/2	54,237	1/2	65,183	1/2	76,128	1/2	87,073	1/2	98,019
3/4	330	3/4	10,703	3/4	21,647	3/4	32,579	3/4	43,520	3/4	54,465	3/4	65,411	3/4	76,356	3/4	87,301	3/4	98,247
1	406	1	10,931	1	21,875	1	32,807	1	43,748	1	54,693	1	65,639	1	76,584	1	87,529	1	98,475
1/4	558	1/4	11,159	1/4	22,103	1/4	33,035	1/4	43,976	1/4	54,922	1/4	65,867	1/4	76,812	1/4	87,757	1/4	98,703
1/2	710	1/2	11,387	1/2	22,331	1/2	33,262	1/2	44,204	1/2	55,150	1/2	66,095	1/2	77,040	1/2	87,985	1/2	98,931
3/4	862	3/4	11,615	3/4	22,559	3/4	33,490	3/4	44,432	3/4	55,378	3/4	66,323	3/4	77,268	3/4	88,213	3/4	99,159
2	1,014	2	11,843	2	22,788	2	33,717	2	44,660	2	55,606	2	66,551	2	77,496	2	88,441	2	99,387
1/4	1,220	1/4	12,071	1/4	23,016	1/4	33,945	1/4	44,888	1/4	55,834	1/4	66,779	1/4	77,724	1/4	88,670	1/4	99,615
1/2	1,427	1/2	12,299	1/2	23,244	1/2	34,173	1/2	45,116	1/2	56,062	1/2	67,007	1/2	77,952	1/2	88,898	1/2	99,843
3/4	1,633	3/4	12,527	3/4	23,472	3/4	34,400	3/4	45,344	3/4	56,290	3/4	67,235	3/4	78,180	3/4	89,126	3/4	100,071
3	1,840	3	12,755	3	23,700	3	34,628	3	45,572	3	56,518	3	67,463	3	78,408	3	89,354	3	100,299
1/4	2,064	1/4	12,983	1/4	23,928	1/4	34,856	1/4	45,800	1/4	56,746	1/4	67,691	1/4	78,636	1/4	89,582	1/4	100,527
1/2	2,288	1/2	13,211	1/2	24,156	1/2	35,084	1/2	46,028	1/2	56,974	1/2	67,919	1/2	78,864	1/2	89,810	1/2	100,755
3/4	2,513	3/4	13,439	3/4	24,384	3/4	35,311	3/4	46,257	3/4	57,202	3/4	68,147	3/4	79,092	3/4	90,038	3/4	100,983
4	2,737	4	13,667	4	24,612	4	35,539	4	46,485	4	57,430	4	68,375	4	79,320	4	90,266	4	101,211
1/4	2,963	1/4	13,895	1/4	24,840	1/4	35,767	1/4	46,713	1/4	57,658	1/4	68,603	1/4	79,548	1/4	90,494	1/4	101,439
1/2	3,189	1/2	14,123	1/2	25,068	1/2	35,995	1/2	46,941	1/2	57,886	1/2	68,831	1/2	79,776	1/2	90,722	1/2	101,667
3/4	3,415	3/4	14,351	3/4	25,296	3/4	36,223	3/4	47,169	3/4	58,114	3/4	69,059	3/4	80,004	3/4	90,950	3/4	101,895
5	3,641	5	14,579	5	25,524	5	36,451	5	47,397	5	58,342	5	69,287	5	80,233	5	91,178	5	102,123
1/4	3,868	1/4	14,807	1/4	25,752	1/4	36,679	1/4	47,625	1/4	58,570	1/4	69,515	1/4	80,461	1/4	91,406	1/4	102,351
1/2	4,095	1/2	15,035	1/2	25,979	1/2	36,907	1/2	47,853	1/2	58,798	1/2	69,743	1/2	80,689	1/2	91,634	1/2	102,579
3/4	4,322	3/4	15,263	3/4	26,207	3/4	37,135	3/4	48,081	3/4	59,026	3/4	69,971	3/4	80,917	3/4	91,862	3/4	102,807
6	4,549	6	15,491	6	26,435	6	37,363	6	48,309	6	59,254	6	70,199	6	81,145	6	92,090	6	103,035
1/4	4,776	1/4	15,719	1/4	26,662	1/4	37,591	1/4	48,537	1/4	59,482	1/4	70,427	1/4	81,373	1/4	92,318	1/4	103,263
1/2	5,004	1/2	15,947	1/2	26,890	1/2	37,820	1/2	48,765	1/2	59,710	1/2	70,655	1/2	81,601	1/2	92,546	1/2	103,491
3/4	5,231	3/4	16,175	3/4	27,118	3/4	38,048	3/4	48,993	3/4	59,938	3/4	70,883	3/4	81,829	3/4	92,774	3/4	103,719
7	5,459	7	16,403	7	27,345	7	38,276	7	49,221	7	60,166	7	71,111	7	82,057	7	93,002	7	103,947
1/4	5,687	1/4	16,631	1/4	27,573	1/4	38,504	1/4	49,449	1/4	60,394	1/4	71,339	1/4	82,285	1/4	93,230	1/4	104,175
1/2	5,915	1/2	16,859	1/2	27,800	1/2	38,732	1/2	49,677	1/2	60,622	1/2	71,567	1/2	82,513	1/2	93,458	1/2	104,403
3/4	6,143	3/4	17,087	3/4	28,028	3/4	38,960	3/4	49,905	3/4	60,850	3/4	71,796	3/4	82,741	3/4	93,686	3/4	104,631
8	6,370	8	17,315	8	28,255	8	39,188	8	50,133	8	61,078	8	72,024	8	82,969	8	93,914	8	104,859
1/4	6,598	1/4	17,543	1/4	28,483	1/4	39,416	1/4	50,361	1/4	61,306	1/4	72,252	1/4	83,197	1/4	94,142	1/4	105,087
1/2	6,826	1/2	17,771	1/2	28,711	1/2	39,644	1/2	50,589	1/2	61,534	1/2	72,480	1/2	83,425	1/2	94,370	1/2	105,315
3/4	7,054	3/4	17,999	3/4	28,938	3/4	39,872	3/4	50,817	3/4	61,762	3/4	72,708	3/4	83,653	3/4	94,598	3/4	105,543
9	7,282	9	18,227	9	29,166	9	40,100	9	51,045	9	61,990	9	72,936	9	83,881	9	94,826	9	105,772
1/4	7,510	1/4	18,455	1/4	29,393	1/4	40,328	1/4	51,273	1/4	62,218	1/4	73,164	1/4	84,109	1/4	95,054	1/4	106,000
1/2	7,738	1/2	18,683	1/2	29,621	1/2	40,556	1/2	51,501	1/2	62,446	1/2	73,392	1/2	84,337	1/2	95,282	1/2	106,228
3/4	7,966	3/4	18,911	3/4	29,849	3/4	40,784	3/4	51,729	3/4	62,674	3/4	73,620	3/4	84,565	3/4	95,510	3/4	106,456
10	8,194	10	19,139	10	30,076	10	41,012	10	51,957	10	62,902	10	73,848	10	84,793	10	95,738	10	106,684
1/4	8,422	1/4	19,367	1/4	30,304	1/4	41,240	1/4	52,185	1/4	63,130	1/4	74,076	1/4	85,021	1/4	95,966	1/4	106,912
1/2	8,650	1/2	19,595	1/2	30,531	1/2	41,468	1/2	52,413	1/2	63,359	1/2	74,304	1/2	85,249	1/2	96,194	1/2	107,140
3/4	8,878	3/4	19,823	3/4	30,759	3/4	41,696	3/4	52,641	3/4	63,587	3/4	74,532	3/4	85,477	3/4	96,422	3/4	107,368
11	9,106	11	20,051	11	30,986	11	41,924	11	52,869	11	63,815	11	74,760	11	85,705	11	96,650	11	107,596
1/4	9,334	1/4	20,279	1/4	31,214	1/4	42,152	1/4	53,097	1/4	64,043	1/4	74,988	1/4	85,933	1/4	96,878	1/4	107,824
1/2	9,562	1/2	20,507	1/2	31,442	1/2	42,380	1/2	53,325	1/2	64,271	1/2	75,216	1/2	86,161	1/2	97,107	1/2	108,052
3/4	9,790	3/4	20,735	3/4	31,669	3/4	42,608	3/4	53,553	3/4	64,499	3/4	75,444	3/4	86,389	3/4	97,335	3/4	108,280

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 1100"

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	108,508	0	119,453	0	130,398	0	141,344	0	152,238	0		0		0		0		0	
1/4	108,736	1/4	119,681	1/4	130,626	1/4	141,572	1/4	152,407	1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	108,964	1/2	119,909	1/2	130,854	1/2	141,800	1/2	152,577	1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	109,192	3/4	120,137	3/4	131,083	3/4	142,028	3/4	152,746	3/4		3/4	3/4	3/4	3/4		3/4	3/4	
1	109,420	1	120,365	1	131,311	1	142,256	1	152,916	1		1		1		1		1	
1/4	109,648	1/4	120,593	1/4	131,539	1/4	142,484	1/4	153,011	1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	109,876	1/2	120,821	1/2	131,767	1/2	142,712	1/2	153,106	1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	110,104	3/4	121,049	3/4	131,995	3/4	142,940	3/4	153,201	3/4		3/4	3/4	3/4	3/4		3/4	3/4	
2	110,332	2	121,277	2	132,223	2	143,168	2	153,296	2		2		2		2		2	
1/4	110,560	1/4	121,505	1/4	132,451	1/4	143,396	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	110,788	1/2	121,733	1/2	132,679	1/2	143,624	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	111,016	3/4	121,961	3/4	132,907	3/4	143,852	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
3	111,244	3	122,189	3	133,135	3	144,080	3		3		3		3		3		3	
1/4	111,472	1/4	122,417	1/4	133,363	1/4	144,308	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	111,700	1/2	122,646	1/2	133,591	1/2	144,536	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	111,928	3/4	122,874	3/4	133,819	3/4	144,764	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
4	112,156	4	123,102	4	134,047	4	144,992	4		4		4		4		4		4	
1/4	112,384	1/4	123,330	1/4	134,275	1/4	145,220	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	112,612	1/2	123,558	1/2	134,503	1/2	145,448	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	112,840	3/4	123,786	3/4	134,731	3/4	145,676	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
5	113,068	5	124,014	5	134,959	5	145,904	5		5		5		5		5		5	
1/4	113,296	1/4	124,242	1/4	135,187	1/4	146,132	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	113,524	1/2	124,470	1/2	135,415	1/2	146,360	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	113,752	3/4	124,698	3/4	135,643	3/4	146,588	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
6	113,980	6	124,926	6	135,871	6	146,816	6		6		6		6		6		6	
1/4	114,209	1/4	125,154	1/4	136,099	1/4	147,044	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	114,437	1/2	125,382	1/2	136,327	1/2	147,272	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	114,665	3/4	125,610	3/4	136,555	3/4	147,500	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
7	114,893	7	125,838	7	136,783	7	147,728	7		7		7		7		7		7	
1/4	115,121	1/4	126,066	1/4	137,011	1/4	147,956	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	115,349	1/2	126,294	1/2	137,239	1/2	148,185	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	115,577	3/4	126,522	3/4	137,467	3/4	148,413	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
8	115,805	8	126,750	8	137,695	8	148,641	8		8		8		8		8		8	
1/4	116,033	1/4	126,978	1/4	137,923	1/4	148,869	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	116,261	1/2	127,206	1/2	138,151	1/2	149,097	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	116,489	3/4	127,434	3/4	138,379	3/4	149,325	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
9	116,717	9	127,662	9	138,607	9	149,553	9		9		9		9		9		9	
1/4	116,945	1/4	127,890	1/4	138,835	1/4	149,780	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	117,173	1/2	128,118	1/2	139,063	1/2	150,008	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	117,401	3/4	128,346	3/4	139,291	3/4	150,236	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
10	117,629	10	128,574	10	139,520	10	150,464	10		10		10		10		10		10	
1/4	117,857	1/4	128,802	1/4	139,748	1/4	150,691	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	118,085	1/2	129,030	1/2	139,976	1/2	150,918	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	118,313	3/4	129,258	3/4	140,204	3/4	151,145	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	
11	118,541	11	129,486	11	140,432	11	151,373	11		11		11		11		11		11	
1/4	118,769	1/4	129,714	1/4	140,660	1/4	151,589	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	
1/2	118,997	1/2	129,942	1/2	140,888	1/2	151,805	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	
3/4	119,225	3/4	130,170	3/4	141,116	3/4	152,021	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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