



BARGE "IB 1200"

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 1200"

1 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	170	0	10,300	0	21,873	0	33,293	0	44,760	0	56,327	0	67,876	0	79,449	0	91,022	0	102,594
1/4	210	1/4	10,541	1/4	22,114	1/4	33,528	1/4	45,001	1/4	56,568	1/4	68,117	1/4	79,690	1/4	91,263	1/4	102,835
1/2	250	1/2	10,782	1/2	22,355	1/2	33,763	1/2	45,242	1/2	56,808	1/2	68,358	1/2	79,931	1/2	91,504	1/2	103,077
3/4	290	3/4	11,023	3/4	22,596	3/4	33,998	3/4	45,483	3/4	57,049	3/4	68,600	3/4	80,173	3/4	91,745	3/4	103,318
1	331	1	11,264	1	22,837	1	34,232	1	45,724	1	57,289	1	68,841	1	80,414	1	91,986	1	103,559
1/4	451	1/4	11,505	1/4	23,079	1/4	34,467	1/4	45,965	1/4	57,530	1/4	69,082	1/4	80,655	1/4	92,227	1/4	103,800
1/2	572	1/2	11,746	1/2	23,320	1/2	34,702	1/2	46,206	1/2	57,770	1/2	69,323	1/2	80,896	1/2	92,468	1/2	104,041
3/4	693	3/4	11,987	3/4	23,561	3/4	34,936	3/4	46,447	3/4	58,011	3/4	69,564	3/4	81,137	3/4	92,709	3/4	104,282
2	814	2	12,228	2	23,802	2	35,171	2	46,688	2	58,251	2	69,805	2	81,378	2	92,950	2	104,523
1/4	1,015	1/4	12,470	1/4	24,043	1/4	35,406	1/4	46,929	1/4	58,492	1/4	70,046	1/4	81,619	1/4	93,192	1/4	104,764
1/2	1,216	1/2	12,711	1/2	24,284	1/2	35,641	1/2	47,170	1/2	58,732	1/2	70,287	1/2	81,860	1/2	93,433	1/2	105,005
3/4	1,418	3/4	12,952	3/4	24,525	3/4	35,875	3/4	47,411	3/4	58,973	3/4	70,528	3/4	82,101	3/4	93,674	3/4	105,246
3	1,619	3	13,193	3	24,766	3	36,110	3	47,652	3	59,213	3	70,769	3	82,342	3	93,915	3	105,488
1/4	1,858	1/4	13,434	1/4	25,008	1/4	36,345	1/4	47,893	1/4	59,454	1/4	71,011	1/4	82,584	1/4	94,156	1/4	105,729
1/2	2,098	1/2	13,675	1/2	25,249	1/2	36,580	1/2	48,134	1/2	59,694	1/2	71,252	1/2	82,825	1/2	94,397	1/2	105,970
3/4	2,337	3/4	13,916	3/4	25,490	3/4	36,815	3/4	48,375	3/4	59,935	3/4	71,493	3/4	83,066	3/4	94,638	3/4	106,211
4	2,577	4	14,157	4	25,731	4	37,049	4	48,616	4	60,175	4	71,734	4	83,307	4	94,879	4	106,452
1/4	2,818	1/4	14,399	1/4	25,972	1/4	37,290	1/4	48,857	1/4	60,416	1/4	71,975	1/4	83,548	1/4	95,120	1/4	106,693
1/2	3,059	1/2	14,640	1/2	26,213	1/2	37,531	1/2	49,098	1/2	60,656	1/2	72,216	1/2	83,789	1/2	95,361	1/2	106,934
3/4	3,300	3/4	14,881	3/4	26,454	3/4	37,772	3/4	49,339	3/4	60,897	3/4	72,457	3/4	84,030	3/4	95,602	3/4	107,175
5	3,541	5	15,122	5	26,695	5	38,013	5	49,580	5	61,137	5	72,698	5	84,271	5	95,843	5	107,416
1/4	3,782	1/4	15,363	1/4	26,936	1/4	38,254	1/4	49,821	1/4	61,378	1/4	72,939	1/4	84,512	1/4	96,085	1/4	107,657
1/2	4,024	1/2	15,604	1/2	27,178	1/2	38,495	1/2	50,062	1/2	61,618	1/2	73,181	1/2	84,754	1/2	96,326	1/2	107,899
3/4	4,266	3/4	15,845	3/4	27,419	3/4	38,736	3/4	50,303	3/4	61,859	3/4	73,422	3/4	84,995	3/4	96,567	3/4	108,140
6	4,507	6	16,086	6	27,660	6	38,977	6	50,544	6	62,099	6	73,663	6	85,236	6	96,808	6	108,381
1/4	4,749	1/4	16,327	1/4	27,894	1/4	39,218	1/4	50,785	1/4	62,340	1/4	73,904	1/4	85,477	1/4	97,049	1/4	108,622
1/2	4,990	1/2	16,569	1/2	28,129	1/2	39,459	1/2	51,026	1/2	62,580	1/2	74,145	1/2	85,718	1/2	97,290	1/2	108,863
3/4	5,232	3/4	16,810	3/4	28,364	3/4	39,700	3/4	51,267	3/4	62,821	3/4	74,386	3/4	85,959	3/4	97,531	3/4	109,104
7	5,474	7	17,051	7	28,599	7	39,941	7	51,508	7	63,061	7	74,627	7	86,200	7	97,772	7	109,345
1/4	5,715	1/4	17,292	1/4	28,833	1/4	40,182	1/4	51,749	1/4	63,302	1/4	74,868	1/4	86,441	1/4	98,013	1/4	109,586
1/2	5,956	1/2	17,533	1/2	29,068	1/2	40,423	1/2	51,990	1/2	63,542	1/2	75,109	1/2	86,682	1/2	98,254	1/2	109,827
3/4	6,198	3/4	17,774	3/4	29,303	3/4	40,664	3/4	52,231	3/4	63,783	3/4	75,350	3/4	86,923	3/4	98,496	3/4	110,069
8	6,439	8	18,015	8	29,538	8	40,905	8	52,472	8	64,023	8	75,592	8	87,165	8	98,737	8	110,310
1/4	6,680	1/4	18,256	1/4	29,772	1/4	41,146	1/4	52,713	1/4	64,264	1/4	75,833	1/4	87,406	1/4	98,978	1/4	110,551
1/2	6,922	1/2	18,497	1/2	30,007	1/2	41,387	1/2	52,954	1/2	64,504	1/2	76,074	1/2	87,647	1/2	99,219	1/2	110,792
3/4	7,163	3/4	18,739	3/4	30,242	3/4	41,628	3/4	53,195	3/4	64,745	3/4	76,315	3/4	87,888	3/4	99,460	3/4	111,033
9	7,404	9	18,980	9	30,477	9	41,869	9	53,436	9	64,985	9	76,556	9	88,129	9	99,701	9	111,274
1/4	7,645	1/4	19,221	1/4	30,711	1/4	42,110	1/4	53,677	1/4	65,226	1/4	76,797	1/4	88,370	1/4	99,942	1/4	111,515
1/2	7,887	1/2	19,462	1/2	30,946	1/2	42,351	1/2	53,918	1/2	65,466	1/2	77,038	1/2	88,611	1/2	100,183	1/2	111,756
3/4	8,128	3/4	19,703	3/4	31,181	3/4	42,592	3/4	54,159	3/4	65,707	3/4	77,279	3/4	88,852	3/4	100,424	3/4	111,997
10	8,370	10	19,944	10	31,415	10	42,833	10	54,399	10	65,947	10	77,520	10	89,093	10	100,665	10	112,238
1/4	8,611	1/4	20,185	1/4	31,650	1/4	43,074	1/4	54,640	1/4	66,189	1/4	77,761	1/4	89,334	1/4	100,907	1/4	112,480
1/2	8,852	1/2	20,426	1/2	31,885	1/2	43,315	1/2	54,881	1/2	66,430	1/2	78,003	1/2	89,575	1/2	101,148	1/2	112,721
3/4	9,094	3/4	20,667	3/4	32,120	3/4	43,556	3/4	55,122	3/4	66,671	3/4	78,244	3/4	89,816	3/4	101,389	3/4	112,962
11	9,335	11	20,909	11	32,354	11	43,797	11	55,363	11	66,912	11	78,485	11	90,058	11	101,630	11	113,203
1/4	9,576	1/4	21,150	1/4	32,589	1/4	44,038	1/4	55,604	1/4	67,153	1/4	78,726	1/4	90,299	1/4	101,871	1/4	113,444
1/2	9,817	1/2	21,391	1/2	32,824	1/2	44,279	1/2	55,845	1/2	67,394	1/2	78,967	1/2	90,540	1/2	102,112	1/2	113,686
3/4	10,058	3/4	21,632	3/4	33,059	3/4	44,520	3/4	56,086	3/4	67,635	3/4	79,208	3/4	90,781	3/4	102,353	3/4	113,928

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.

PRECISION MEASUREMENT
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BARGE "IB 1200"

1 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	114,169	0	125,060	0	134,964	0	144,867	0	154,759	0		0		0		0		0	
1/4	114,411	1/4	125,267	1/4	135,170	1/4	145,073	1/4	154,925	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	114,652	1/2	125,473	1/2	135,376	1/2	145,280	1/2	155,091	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	114,894	3/4	125,679	3/4	135,583	3/4	145,486	3/4	155,257	3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
1	115,136	1	125,886	1	135,789	1	145,692	1	155,423	1		1		1		1		1	
1/4	115,377	1/4	126,092	1/4	135,995	1/4	145,899	1/4	155,509	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	115,619	1/2	126,298	1/2	136,202	1/2	146,105	1/2	155,594	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	115,860	3/4	126,505	3/4	136,408	3/4	146,311	3/4	155,680	3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
2	116,102	2	126,711	2	136,614	2	146,518	2	155,765	2		2		2		2		2	
1/4	116,344	1/4	126,917	1/4	136,821	1/4	146,724	1/4	155,770	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	116,585	1/2	127,124	1/2	137,027	1/2	146,930	1/2	155,775	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	116,827	3/4	127,330	3/4	137,233	3/4	147,137	3/4	155,780	3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
3	117,068	3	127,536	3	137,440	3	147,343	3	155,785	3		3		3		3		3	
1/4	117,310	1/4	127,743	1/4	137,646	1/4	147,549	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	117,552	1/2	127,949	1/2	137,852	1/2	147,755	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	117,793	3/4	128,155	3/4	138,059	3/4	147,962	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
4	118,035	4	128,362	4	138,265	4	148,168	4		4		4		4		4		4	
1/4	118,276	1/4	128,568	1/4	138,471	1/4	148,374	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	118,518	1/2	128,774	1/2	138,677	1/2	148,581	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	118,760	3/4	128,981	3/4	138,884	3/4	148,787	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
5	119,001	5	129,187	5	139,090	5	148,993	5		5		5		5		5		5	
1/4	119,243	1/4	129,393	1/4	139,296	1/4	149,200	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	119,484	1/2	129,599	1/2	139,503	1/2	149,406	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	119,726	3/4	129,806	3/4	139,709	3/4	149,612	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
6	119,968	6	130,012	6	139,915	6	149,819	6		6		6		6		6		6	
1/4	120,209	1/4	130,218	1/4	140,122	1/4	150,025	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	120,451	1/2	130,425	1/2	140,328	1/2	150,231	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	120,693	3/4	130,631	3/4	140,534	3/4	150,438	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
7	120,934	7	130,837	7	140,741	7	150,644	7		7		7		7		7		7	
1/4	121,140	1/4	131,044	1/4	140,947	1/4	150,850	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	121,347	1/2	131,250	1/2	141,153	1/2	151,057	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	121,553	3/4	131,456	3/4	141,360	3/4	151,263	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
8	121,759	8	131,663	8	141,566	8	151,469	8		8		8		8		8		8	
1/4	121,966	1/4	131,869	1/4	141,772	1/4	151,676	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	122,172	1/2	132,075	1/2	141,979	1/2	151,882	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	122,378	3/4	132,282	3/4	142,185	3/4	152,088	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
9	122,585	9	132,488	9	142,391	9	152,294	9		9		9		9		9		9	
1/4	122,791	1/4	132,694	1/4	142,598	1/4	152,501	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	122,997	1/2	132,901	1/2	142,804	1/2	152,707	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	123,204	3/4	133,107	3/4	143,010	3/4	152,913	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
10	123,410	10	133,313	10	143,216	10	153,119	10		10		10		10		10		10	
1/4	123,616	1/4	133,520	1/4	143,423	1/4	153,325	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	123,823	1/2	133,726	1/2	143,629	1/2	153,531	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	124,029	3/4	133,932	3/4	143,835	3/4	153,737	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
11	124,235	11	134,138	11	144,042	11	153,942	11		11		11		11		11		11	
1/4	124,442	1/4	134,345	1/4	144,248	1/4	154,147	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	124,648	1/2	134,551	1/2	144,454	1/2	154,351	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	124,854	3/4	134,757	3/4	144,661	3/4	154,555	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
& ANALYSIS, INC.
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BARGE "IB 1200"

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	26	0	8,971	0	19,204	0	29,287	0	39,421	0	49,655	0	59,889	0	70,124	0	80,358	0	90,592
1/4	62	1/4	9,184	1/4	19,418	1/4	29,494	1/4	39,634	1/4	49,868	1/4	60,103	1/4	70,337	1/4	80,571	1/4	90,805
1/2	97	1/2	9,397	1/2	19,631	1/2	29,701	1/2	39,847	1/2	50,081	1/2	60,316	1/2	70,550	1/2	80,784	1/2	91,019
3/4	133	3/4	9,610	3/4	19,844	3/4	29,908	3/4	40,060	3/4	50,295	3/4	60,529	3/4	70,763	3/4	80,997	3/4	91,232
1	168	1	9,823	1	20,057	1	30,115	1	40,274	1	50,508	1	60,742	1	70,976	1	81,211	1	91,445
1/4	275	1/4	10,037	1/4	20,270	1/4	30,322	1/4	40,487	1/4	50,721	1/4	60,955	1/4	71,190	1/4	81,424	1/4	91,658
1/2	382	1/2	10,250	1/2	20,484	1/2	30,528	1/2	40,700	1/2	50,934	1/2	61,169	1/2	71,403	1/2	81,637	1/2	91,871
3/4	488	3/4	10,463	3/4	20,697	3/4	30,735	3/4	40,913	3/4	51,148	3/4	61,382	3/4	71,616	3/4	81,850	3/4	92,085
2	595	2	10,676	2	20,910	2	30,942	2	41,126	2	51,361	2	61,595	2	71,829	2	82,064	2	92,298
1/4	772	1/4	10,889	1/4	21,123	1/4	31,149	1/4	41,340	1/4	51,574	1/4	61,808	1/4	72,042	1/4	82,277	1/4	92,511
1/2	950	1/2	11,103	1/2	21,336	1/2	31,356	1/2	41,553	1/2	51,787	1/2	62,021	1/2	72,256	1/2	82,490	1/2	92,724
3/4	1,128	3/4	11,316	3/4	21,550	3/4	31,563	3/4	41,766	3/4	52,000	3/4	62,235	3/4	72,469	3/4	82,703	3/4	92,937
3	1,305	3	11,529	3	21,763	3	31,770	3	41,979	3	52,214	3	62,448	3	72,682	3	82,916	3	93,151
1/4	1,516	1/4	11,742	1/4	21,976	1/4	31,977	1/4	42,193	1/4	52,427	1/4	62,661	1/4	72,895	1/4	83,130	1/4	93,364
1/2	1,728	1/2	11,955	1/2	22,189	1/2	32,184	1/2	42,406	1/2	52,640	1/2	62,874	1/2	73,109	1/2	83,343	1/2	93,577
3/4	1,939	3/4	12,169	3/4	22,402	3/4	32,391	3/4	42,619	3/4	52,853	3/4	63,088	3/4	73,322	3/4	83,556	3/4	93,790
4	2,151	4	12,382	4	22,616	4	32,598	4	42,832	4	53,066	4	63,301	4	73,535	4	83,769	4	94,003
1/4	2,363	1/4	12,595	1/4	22,829	1/4	32,811	1/4	43,045	1/4	53,280	1/4	63,514	1/4	73,748	1/4	83,982	1/4	94,217
1/2	2,576	1/2	12,808	1/2	23,042	1/2	33,024	1/2	43,259	1/2	53,493	1/2	63,727	1/2	73,961	1/2	84,196	1/2	94,430
3/4	2,789	3/4	13,021	3/4	23,255	3/4	33,238	3/4	43,472	3/4	53,706	3/4	63,940	3/4	74,175	3/4	84,409	3/4	94,643
5	3,001	5	13,235	5	23,468	5	33,451	5	43,685	5	53,919	5	64,154	5	74,388	5	84,622	5	94,856
1/4	3,214	1/4	13,448	1/4	23,682	1/4	33,664	1/4	43,898	1/4	54,133	1/4	64,367	1/4	74,601	1/4	84,835	1/4	95,070
1/2	3,428	1/2	13,661	1/2	23,895	1/2	33,877	1/2	44,111	1/2	54,346	1/2	64,580	1/2	74,814	1/2	85,049	1/2	95,283
3/4	3,641	3/4	13,874	3/4	24,108	3/4	34,090	3/4	44,325	3/4	54,559	3/4	64,793	3/4	75,027	3/4	85,262	3/4	95,496
6	3,854	6	14,087	6	24,321	6	34,304	6	44,538	6	54,772	6	65,006	6	75,241	6	85,475	6	95,709
1/4	4,067	1/4	14,301	1/4	24,528	1/4	34,517	1/4	44,751	1/4	54,985	1/4	65,220	1/4	75,454	1/4	85,688	1/4	95,922
1/2	4,280	1/2	14,514	1/2	24,735	1/2	34,730	1/2	44,964	1/2	55,199	1/2	65,433	1/2	75,667	1/2	85,901	1/2	96,136
3/4	4,493	3/4	14,727	3/4	24,942	3/4	34,943	3/4	45,178	3/4	55,412	3/4	65,646	3/4	75,880	3/4	86,115	3/4	96,349
7	4,707	7	14,940	7	25,149	7	35,157	7	45,391	7	55,625	7	65,859	7	76,094	7	86,328	7	96,562
1/4	4,920	1/4	15,153	1/4	25,356	1/4	35,370	1/4	45,604	1/4	55,838	1/4	66,072	1/4	76,307	1/4	86,541	1/4	96,775
1/2	5,133	1/2	15,367	1/2	25,563	1/2	35,583	1/2	45,817	1/2	56,051	1/2	66,286	1/2	76,520	1/2	86,754	1/2	96,988
3/4	5,346	3/4	15,580	3/4	25,770	3/4	35,796	3/4	46,030	3/4	56,265	3/4	66,499	3/4	76,733	3/4	86,967	3/4	97,202
8	5,559	8	15,793	8	25,976	8	36,009	8	46,244	8	56,478	8	66,712	8	76,946	8	87,181	8	97,415
1/4	5,773	1/4	16,006	1/4	26,183	1/4	36,223	1/4	46,457	1/4	56,691	1/4	66,925	1/4	77,160	1/4	87,394	1/4	97,628
1/2	5,986	1/2	16,219	1/2	26,390	1/2	36,436	1/2	46,670	1/2	56,904	1/2	67,139	1/2	77,373	1/2	87,607	1/2	97,841
3/4	6,199	3/4	16,433	3/4	26,597	3/4	36,649	3/4	46,883	3/4	57,118	3/4	67,352	3/4	77,586	3/4	87,820	3/4	98,055
9	6,412	9	16,646	9	26,804	9	36,862	9	47,096	9	57,331	9	67,565	9	77,799	9	88,034	9	98,268
1/4	6,625	1/4	16,859	1/4	27,011	1/4	37,075	1/4	47,310	1/4	57,544	1/4	67,778	1/4	78,012	1/4	88,247	1/4	98,481
1/2	6,839	1/2	17,072	1/2	27,218	1/2	37,289	1/2	47,523	1/2	57,757	1/2	67,991	1/2	78,226	1/2	88,460	1/2	98,694
3/4	7,052	3/4	17,286	3/4	27,425	3/4	37,502	3/4	47,736	3/4	57,970	3/4	68,205	3/4	78,439	3/4	88,673	3/4	98,907
10	7,265	10	17,499	10	27,632	10	37,715	10	47,949	10	58,184	10	68,418	10	78,652	10	88,886	10	99,121
1/4	7,478	1/4	17,712	1/4	27,839	1/4	37,928	1/4	48,163	1/4	58,397	1/4	68,631	1/4	78,865	1/4	89,100	1/4	99,334
1/2	7,691	1/2	17,925	1/2	28,046	1/2	38,142	1/2	48,376	1/2	58,610	1/2	68,844	1/2	79,079	1/2	89,313	1/2	99,547
3/4	7,905	3/4	18,138	3/4	28,252	3/4	38,355	3/4	48,589	3/4	58,823	3/4	69,057	3/4	79,292	3/4	89,526	3/4	99,760
11	8,118	11	18,352	11	28,459	11	38,568	11	48,802	11	59,036	11	69,271	11	79,505	11	89,739	11	99,973
1/4	8,331	1/4	18,565	1/4	28,666	1/4	38,781	1/4	49,015	1/4	59,250	1/4	69,484	1/4	79,718	1/4	89,952	1/4	100,187
1/2	8,544	1/2	18,778	1/2	28,873	1/2	38,994	1/2	49,229	1/2	59,463	1/2	69,697	1/2	79,931	1/2	90,166	1/2	100,400
3/4	8,757	3/4	18,991	3/4	29,080	3/4	39,208	3/4	49,442	3/4	59,676	3/4	69,910	3/4	80,145	3/4	90,379	3/4	100,613

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 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
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BARGE "IB 1200"

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	100,826	0	111,061	0	121,295	0	131,529	0	141,754	0		0		0		0		0	
1/4	101,040	1/4	111,274	1/4	121,508	1/4	131,742	1/4	141,931	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	101,253	1/2	111,487	1/2	121,721	1/2	131,956	1/2	142,109	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	101,466	3/4	111,700	3/4	121,934	3/4	132,169	3/4	142,286	3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
1	101,679	1	111,913	1	122,148	1	132,382	1	142,464	1		1		1		1		1	
1/4	101,892	1/4	112,127	1/4	122,361	1/4	132,595	1/4	142,571	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	102,106	1/2	112,340	1/2	122,574	1/2	132,808	1/2	142,677	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	102,319	3/4	112,553	3/4	122,787	3/4	133,022	3/4	142,784	3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
2	102,532	2	112,766	2	123,001	2	133,235	2	142,890	2		2		2		2		2	
1/4	102,745	1/4	112,980	1/4	123,214	1/4	133,448	1/4	142,926	1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	102,958	1/2	113,193	1/2	123,427	1/2	133,661	1/2	142,961	1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	103,172	3/4	113,406	3/4	123,640	3/4	133,874	3/4	142,997	3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
3	103,385	3	113,619	3	123,853	3	134,088	3	143,032	3		3		3		3		3	
1/4	103,598	1/4	113,832	1/4	124,067	1/4	134,301	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	103,811	1/2	114,046	1/2	124,280	1/2	134,514	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	104,025	3/4	114,259	3/4	124,493	3/4	134,727	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
4	104,238	4	114,472	4	124,706	4	134,941	4		4		4		4		4		4	
1/4	104,451	1/4	114,685	1/4	124,919	1/4	135,154	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	104,664	1/2	114,898	1/2	125,133	1/2	135,367	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	104,877	3/4	115,112	3/4	125,346	3/4	135,580	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
5	105,091	5	115,325	5	125,559	5	135,793	5		5		5		5		5		5	
1/4	105,304	1/4	115,538	1/4	125,772	1/4	136,007	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	105,517	1/2	115,751	1/2	125,986	1/2	136,220	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	105,730	3/4	115,965	3/4	126,199	3/4	136,433	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
6	105,943	6	116,178	6	126,412	6	136,646	6		6		6		6		6		6	
1/4	106,157	1/4	116,391	1/4	126,625	1/4	136,859	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	106,370	1/2	116,604	1/2	126,838	1/2	137,073	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	106,583	3/4	116,817	3/4	127,052	3/4	137,286	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
7	106,796	7	117,031	7	127,265	7	137,499	7		7		7		7		7		7	
1/4	107,010	1/4	117,244	1/4	127,478	1/4	137,712	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	107,223	1/2	117,457	1/2	127,691	1/2	137,926	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	107,436	3/4	117,670	3/4	127,904	3/4	138,139	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
8	107,649	8	117,883	8	128,118	8	138,352	8		8		8		8		8		8	
1/4	107,862	1/4	118,097	1/4	128,331	1/4	138,565	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	108,076	1/2	118,310	1/2	128,544	1/2	138,778	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	108,289	3/4	118,523	3/4	128,757	3/4	138,992	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
9	108,502	9	118,736	9	128,971	9	139,205	9		9		9		9		9		9	
1/4	108,715	1/4	118,949	1/4	129,184	1/4	139,418	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	108,928	1/2	119,163	1/2	129,397	1/2	139,631	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	109,142	3/4	119,376	3/4	129,610	3/4	139,844	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
10	109,355	10	119,589	10	129,823	10	140,057	10		10		10		10		10		10	
1/4	109,568	1/4	119,802	1/4	130,037	1/4	140,270	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	109,781	1/2	120,016	1/2	130,250	1/2	140,483	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	109,995	3/4	120,229	3/4	130,463	3/4	140,695	3/4		3/4		3/4	3/4	3/4	3/4		3/4	3/4	3/4
11	110,208	11	120,442	11	130,676	11	140,908	11		11		11		11		11		11	
1/4	110,421	1/4	120,655	1/4	130,889	1/4	141,119	1/4		1/4		1/4	1/4	1/4	1/4		1/4	1/4	1/4
1/2	110,634	1/2	120,868	1/2	131,103	1/2	141,331	1/2		1/2		1/2	1/2	1/2	1/2		1/2	1/2	1/2
3/4	110,847	3/4	121,082	3/4	131,316	3/4	141,542	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
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "IB 1200"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 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	26	0	8,889	0	19,031	0	29,161	0	39,296	0	49,437	0	59,579	0	69,720	0	79,862	0	90,003
1/4	61	1/4	9,101	1/4	19,242	1/4	29,372	1/4	39,507	1/4	49,648	1/4	59,790	1/4	69,931	1/4	80,073	1/4	90,214
1/2	97	1/2	9,312	1/2	19,453	1/2	29,583	1/2	39,718	1/2	49,860	1/2	60,001	1/2	70,143	1/2	80,284	1/2	90,426
3/4	132	3/4	9,523	3/4	19,664	3/4	29,793	3/4	39,929	3/4	50,071	3/4	60,212	3/4	70,354	3/4	80,495	3/4	90,637
1	167	1	9,735	1	19,876	1	30,004	1	40,141	1	50,282	1	60,424	1	70,565	1	80,707	1	90,848
1/4	273	1/4	9,946	1/4	20,087	1/4	30,215	1/4	40,352	1/4	50,493	1/4	60,635	1/4	70,776	1/4	80,918	1/4	91,059
1/2	378	1/2	10,157	1/2	20,298	1/2	30,426	1/2	40,563	1/2	50,705	1/2	60,846	1/2	70,988	1/2	81,129	1/2	91,271
3/4	484	3/4	10,368	3/4	20,509	3/4	30,637	3/4	40,775	3/4	50,916	3/4	61,058	3/4	71,199	3/4	81,341	3/4	91,482
2	590	2	10,580	2	20,721	2	30,847	2	40,986	2	51,127	2	61,269	2	71,410	2	81,552	2	91,693
1/4	766	1/4	10,791	1/4	20,932	1/4	31,058	1/4	41,197	1/4	51,339	1/4	61,480	1/4	71,622	1/4	81,763	1/4	91,905
1/2	942	1/2	11,002	1/2	21,143	1/2	31,269	1/2	41,408	1/2	51,550	1/2	61,691	1/2	71,833	1/2	81,974	1/2	92,116
3/4	1,118	3/4	11,213	3/4	21,354	3/4	31,480	3/4	41,620	3/4	51,761	3/4	61,903	3/4	72,044	3/4	82,186	3/4	92,327
3	1,294	3	11,425	3	21,566	3	31,691	3	41,831	3	51,972	3	62,114	3	72,255	3	82,397	3	92,538
1/4	1,503	1/4	11,636	1/4	21,777	1/4	31,902	1/4	42,042	1/4	52,184	1/4	62,325	1/4	72,467	1/4	82,608	1/4	92,750
1/2	1,712	1/2	11,847	1/2	21,988	1/2	32,113	1/2	42,254	1/2	52,395	1/2	62,537	1/2	72,678	1/2	82,819	1/2	92,961
3/4	1,922	3/4	12,059	3/4	22,200	3/4	32,324	3/4	42,465	3/4	52,606	3/4	62,748	3/4	72,889	3/4	83,031	3/4	93,172
4	2,131	4	12,270	4	22,411	4	32,535	4	42,676	4	52,818	4	62,959	4	73,101	4	83,242	4	93,384
1/4	2,342	1/4	12,481	1/4	22,622	1/4	32,746	1/4	42,887	1/4	53,029	1/4	63,170	1/4	73,312	1/4	83,453	1/4	93,595
1/2	2,553	1/2	12,692	1/2	22,833	1/2	32,957	1/2	43,099	1/2	53,240	1/2	63,382	1/2	73,523	1/2	83,665	1/2	93,806
3/4	2,764	3/4	12,904	3/4	23,045	3/4	33,168	3/4	43,310	3/4	53,451	3/4	63,593	3/4	73,734	3/4	83,876	3/4	94,017
5	2,974	5	13,115	5	23,256	5	33,380	5	43,521	5	53,663	5	63,804	5	73,946	5	84,087	5	94,229
1/4	3,185	1/4	13,326	1/4	23,467	1/4	33,591	1/4	43,732	1/4	53,874	1/4	64,015	1/4	74,157	1/4	84,298	1/4	94,440
1/2	3,397	1/2	13,537	1/2	23,678	1/2	33,802	1/2	43,944	1/2	54,085	1/2	64,227	1/2	74,368	1/2	84,510	1/2	94,651
3/4	3,608	3/4	13,749	3/4	23,890	3/4	34,014	3/4	44,155	3/4	54,297	3/4	64,438	3/4	74,580	3/4	84,721	3/4	94,863
6	3,819	6	13,960	6	24,101	6	34,225	6	44,366	6	54,508	6	64,649	6	74,791	6	84,932	6	95,074
1/4	4,030	1/4	14,171	1/4	24,312	1/4	34,436	1/4	44,578	1/4	54,719	1/4	64,861	1/4	75,002	1/4	85,144	1/4	95,285
1/2	4,242	1/2	14,383	1/2	24,523	1/2	34,647	1/2	44,789	1/2	54,930	1/2	65,072	1/2	75,213	1/2	85,355	1/2	95,496
3/4	4,453	3/4	14,594	3/4	24,734	3/4	34,859	3/4	45,000	3/4	55,142	3/4	65,283	3/4	75,425	3/4	85,566	3/4	95,708
7	4,664	7	14,805	7	24,944	7	35,070	7	45,211	7	55,353	7	65,494	7	75,636	7	85,777	7	95,919
1/4	4,875	1/4	15,016	1/4	25,155	1/4	35,281	1/4	45,423	1/4	55,564	1/4	65,706	1/4	75,847	1/4	85,989	1/4	96,130
1/2	5,087	1/2	15,228	1/2	25,366	1/2	35,493	1/2	45,634	1/2	55,776	1/2	65,917	1/2	76,058	1/2	86,200	1/2	96,341
3/4	5,298	3/4	15,439	3/4	25,577	3/4	35,704	3/4	45,845	3/4	55,987	3/4	66,128	3/4	76,270	3/4	86,411	3/4	96,553
8	5,509	8	15,650	8	25,788	8	35,915	8	46,057	8	56,198	8	66,340	8	76,481	8	86,623	8	96,764
1/4	5,720	1/4	15,861	1/4	25,998	1/4	36,126	1/4	46,268	1/4	56,409	1/4	66,551	1/4	76,692	1/4	86,834	1/4	96,975
1/2	5,932	1/2	16,073	1/2	26,209	1/2	36,338	1/2	46,479	1/2	56,621	1/2	66,762	1/2	76,904	1/2	87,045	1/2	97,187
3/4	6,143	3/4	16,284	3/4	26,420	3/4	36,549	3/4	46,690	3/4	56,832	3/4	66,973	3/4	77,115	3/4	87,256	3/4	97,398
9	6,354	9	16,495	9	26,631	9	36,760	9	46,902	9	57,043	9	67,185	9	77,326	9	87,468	9	97,609
1/4	6,565	1/4	16,707	1/4	26,842	1/4	36,971	1/4	47,113	1/4	57,254	1/4	67,396	1/4	77,537	1/4	87,679	1/4	97,820
1/2	6,777	1/2	16,918	1/2	27,053	1/2	37,183	1/2	47,324	1/2	57,466	1/2	67,607	1/2	77,749	1/2	87,890	1/2	98,032
3/4	6,988	3/4	17,129	3/4	27,263	3/4	37,394	3/4	47,536	3/4	57,677	3/4	67,819	3/4	77,960	3/4	88,102	3/4	98,243
10	7,199	10	17,340	10	27,474	10	37,605	10	47,747	10	57,888	10	68,030	10	78,171	10	88,313	10	98,454
1/4	7,411	1/4	17,552	1/4	27,685	1/4	37,817	1/4	47,958	1/4	58,100	1/4	68,241	1/4	78,383	1/4	88,524	1/4	98,666
1/2	7,622	1/2	17,763	1/2	27,896	1/2	38,028	1/2	48,169	1/2	58,311	1/2	68,452	1/2	78,594	1/2	88,735	1/2	98,877
3/4	7,833	3/4	17,974	3/4	28,107	3/4	38,239	3/4	48,381	3/4	58,522	3/4	68,664	3/4	78,805	3/4	88,947	3/4	99,088
11	8,044	11	18,185	11	28,318	11	38,450	11	48,592	11	58,733	11	68,875	11	79,016	11	89,158	11	99,299
1/4	8,256	1/4	18,397	1/4	28,528	1/4	38,662	1/4	48,803	1/4	58,945	1/4	69,086	1/4	79,228	1/4	89,369	1/4	99,511
1/2	8,467	1/2	18,608	1/2	28,739	1/2	38,873	1/2	49,015	1/2	59,156	1/2	69,298	1/2	79,439	1/2	89,580	1/2	99,722
3/4	8,678	3/4	18,819	3/4	28,950	3/4	39,084	3/4	49,226	3/4	59,367	3/4	69,509	3/4	79,650	3/4	89,792	3/4	99,933

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 1200"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 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	100,145	0	110,286	0	120,428	0	130,569	0	140,701	0		0		0		0		0	
1/4	100,356	1/4	110,497	1/4	120,639	1/4	130,780	1/4	140,877	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	100,567	1/2	110,709	1/2	120,850	1/2	130,992	1/2	141,053	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	100,778	3/4	110,920	3/4	121,061	3/4	131,203	3/4	141,229	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	100,990	1	111,131	1	121,273	1	131,414	1	141,405	1		1		1		1		1	
1/4	101,201	1/4	111,342	1/4	121,484	1/4	131,625	1/4	141,510	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	101,412	1/2	111,554	1/2	121,695	1/2	131,837	1/2	141,616	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	101,624	3/4	111,765	3/4	121,906	3/4	132,048	3/4	141,722	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	101,835	2	111,976	2	122,118	2	132,259	2	141,827	2		2		2		2		2	
1/4	102,046	1/4	112,188	1/4	122,329	1/4	132,471	1/4	141,863	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	102,257	1/2	112,399	1/2	122,540	1/2	132,682	1/2	141,898	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	102,469	3/4	112,610	3/4	122,752	3/4	132,893	3/4	141,933	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	102,680	3	112,821	3	122,963	3	133,104	3	141,968	3		3		3		3		3	
1/4	102,891	1/4	113,033	1/4	123,174	1/4	133,316	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	103,102	1/2	113,244	1/2	123,385	1/2	133,527	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	103,314	3/4	113,455	3/4	123,597	3/4	133,738	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	103,525	4	113,667	4	123,808	4	133,950	4		4		4		4		4		4	
1/4	103,736	1/4	113,878	1/4	124,019	1/4	134,161	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	103,948	1/2	114,089	1/2	124,231	1/2	134,372	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	104,159	3/4	114,300	3/4	124,442	3/4	134,583	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	104,370	5	114,512	5	124,653	5	134,795	5		5		5		5		5		5	
1/4	104,581	1/4	114,723	1/4	124,864	1/4	135,006	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	104,793	1/2	114,934	1/2	125,076	1/2	135,217	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,004	3/4	115,146	3/4	125,287	3/4	135,428	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	105,215	6	115,357	6	125,498	6	135,640	6		6		6		6		6		6	
1/4	105,427	1/4	115,568	1/4	125,710	1/4	135,851	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,638	1/2	115,779	1/2	125,921	1/2	136,062	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,849	3/4	115,991	3/4	126,132	3/4	136,274	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	106,060	7	116,202	7	126,343	7	136,485	7		7		7		7		7		7	
1/4	106,272	1/4	116,413	1/4	126,555	1/4	136,696	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,483	1/2	116,624	1/2	126,766	1/2	136,907	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,694	3/4	116,836	3/4	126,977	3/4	137,119	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	106,906	8	117,047	8	127,189	8	137,330	8		8		8		8		8		8	
1/4	107,117	1/4	117,258	1/4	127,400	1/4	137,541	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,328	1/2	117,470	1/2	127,611	1/2	137,753	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,539	3/4	117,681	3/4	127,822	3/4	137,964	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	107,751	9	117,892	9	128,034	9	138,175	9		9		9		9		9		9	
1/4	107,962	1/4	118,103	1/4	128,245	1/4	138,386	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,173	1/2	118,315	1/2	128,456	1/2	138,598	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,385	3/4	118,526	3/4	128,667	3/4	138,809	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	108,596	10	118,737	10	128,879	10	139,020	10		10		10		10		10		10	
1/4	108,807	1/4	118,949	1/4	129,090	1/4	139,231	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,018	1/2	119,160	1/2	129,301	1/2	139,442	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,230	3/4	119,371	3/4	129,513	3/4	139,652	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	109,441	11	119,582	11	129,724	11	139,863	11		11		11		11		11		11	
1/4	109,652	1/4	119,794	1/4	129,935	1/4	140,072	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,863	1/2	120,005	1/2	130,146	1/2	140,282	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,075	3/4	120,216	3/4	130,358	3/4	140,491	3/4		3/4		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 12/2017

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