



BARGE "IB 1082"

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	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
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 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 163'-00"

July 30, 2015

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

<http://www.pmacorp.net>



BARGE "IB 1082"

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	235	0	11,490	0	23,978	0	36,304	0	48,695	0	61,176	0	73,641	0	86,128	0	98,616	0	111,103
1/4	311	1/4	11,750	1/4	24,239	1/4	36,558	1/4	48,955	1/4	61,436	1/4	73,901	1/4	86,389	1/4	98,876	1/4	111,363
1/2	387	1/2	12,011	1/2	24,499	1/2	36,811	1/2	49,215	1/2	61,695	1/2	74,161	1/2	86,649	1/2	99,136	1/2	111,623
3/4	463	3/4	12,271	3/4	24,759	3/4	37,065	3/4	49,475	3/4	61,955	3/4	74,421	3/4	86,909	3/4	99,396	3/4	111,883
1	539	1	12,531	1	25,019	1	37,319	1	49,735	1	62,214	1	74,681	1	87,169	1	99,656	1	112,144
1/4	702	1/4	12,791	1/4	25,279	1/4	37,573	1/4	49,995	1/4	62,474	1/4	74,941	1/4	87,429	1/4	99,916	1/4	112,404
1/2	865	1/2	13,051	1/2	25,539	1/2	37,827	1/2	50,255	1/2	62,733	1/2	75,202	1/2	87,689	1/2	100,177	1/2	112,664
3/4	1,028	3/4	13,311	3/4	25,800	3/4	38,080	3/4	50,515	3/4	62,993	3/4	75,462	3/4	87,949	3/4	100,437	3/4	112,924
2	1,190	2	13,572	2	26,060	2	38,334	2	50,775	2	63,253	2	75,722	2	88,210	2	100,697	2	113,184
1/4	1,423	1/4	13,832	1/4	26,320	1/4	38,588	1/4	51,035	1/4	63,512	1/4	75,982	1/4	88,470	1/4	100,957	1/4	113,444
1/2	1,656	1/2	14,092	1/2	26,580	1/2	38,842	1/2	51,296	1/2	63,772	1/2	76,242	1/2	88,730	1/2	101,217	1/2	113,705
3/4	1,888	3/4	14,352	3/4	26,840	3/4	39,096	3/4	51,556	3/4	64,031	3/4	76,502	3/4	88,990	3/4	101,477	3/4	113,965
3	2,121	3	14,612	3	27,101	3	39,350	3	51,816	3	64,291	3	76,763	3	89,250	3	101,737	3	114,225
1/4	2,380	1/4	14,873	1/4	27,361	1/4	39,606	1/4	52,076	1/4	64,550	1/4	77,023	1/4	89,510	1/4	101,997	1/4	114,485
1/2	2,639	1/2	15,133	1/2	27,621	1/2	39,862	1/2	52,336	1/2	64,810	1/2	77,283	1/2	89,771	1/2	102,258	1/2	114,745
3/4	2,898	3/4	15,393	3/4	27,881	3/4	40,118	3/4	52,596	3/4	65,069	3/4	77,543	3/4	90,031	3/4	102,518	3/4	115,005
4	3,158	4	15,653	4	28,141	4	40,374	4	52,856	4	65,329	4	77,803	4	90,291	4	102,778	4	115,266
1/4	3,418	1/4	15,913	1/4	28,401	1/4	40,634	1/4	53,116	1/4	65,589	1/4	78,063	1/4	90,551	1/4	103,038	1/4	115,526
1/2	3,678	1/2	16,173	1/2	28,662	1/2	40,894	1/2	53,376	1/2	65,848	1/2	78,324	1/2	90,811	1/2	103,298	1/2	115,786
3/4	3,938	3/4	16,434	3/4	28,922	3/4	41,154	3/4	53,636	3/4	66,108	3/4	78,584	3/4	91,071	3/4	103,558	3/4	116,046
5	4,199	5	16,694	5	29,182	5	41,414	5	53,896	5	66,367	5	78,844	5	91,332	5	103,818	5	116,306
1/4	4,459	1/4	16,954	1/4	29,440	1/4	41,674	1/4	54,156	1/4	66,627	1/4	79,104	1/4	91,592	1/4	104,079	1/4	116,566
1/2	4,720	1/2	17,214	1/2	29,697	1/2	41,934	1/2	54,416	1/2	66,886	1/2	79,364	1/2	91,852	1/2	104,339	1/2	116,827
3/4	4,981	3/4	17,474	3/4	29,955	3/4	42,194	3/4	54,676	3/4	67,146	3/4	79,624	3/4	92,112	3/4	104,599	3/4	117,087
6	5,241	6	17,734	6	30,213	6	42,454	6	54,936	6	67,405	6	79,884	6	92,372	6	104,859	6	117,347
1/4	5,502	1/4	17,995	1/4	30,467	1/4	42,714	1/4	55,196	1/4	67,665	1/4	80,145	1/4	92,632	1/4	105,119	1/4	117,607
1/2	5,762	1/2	18,255	1/2	30,721	1/2	42,974	1/2	55,456	1/2	67,925	1/2	80,405	1/2	92,893	1/2	105,379	1/2	117,867
3/4	6,023	3/4	18,515	3/4	30,974	3/4	43,235	3/4	55,716	3/4	68,184	3/4	80,665	3/4	93,153	3/4	105,640	3/4	118,127
7	6,284	7	18,775	7	31,228	7	43,495	7	55,976	7	68,444	7	80,925	7	93,413	7	105,900	7	118,387
1/4	6,544	1/4	19,035	1/4	31,482	1/4	43,755	1/4	56,236	1/4	68,703	1/4	81,185	1/4	93,673	1/4	106,160	1/4	118,648
1/2	6,804	1/2	19,295	1/2	31,736	1/2	44,015	1/2	56,496	1/2	68,963	1/2	81,445	1/2	93,933	1/2	106,420	1/2	118,908
3/4	7,065	3/4	19,556	3/4	31,990	3/4	44,275	3/4	56,756	3/4	69,222	3/4	81,706	3/4	94,193	3/4	106,680	3/4	119,168
8	7,325	8	19,816	8	32,243	8	44,535	8	57,016	8	69,482	8	81,966	8	94,454	8	106,940	8	119,428
1/4	7,585	1/4	20,076	1/4	32,497	1/4	44,795	1/4	57,276	1/4	69,742	1/4	82,226	1/4	94,714	1/4	107,201	1/4	119,688
1/2	7,846	1/2	20,336	1/2	32,751	1/2	45,055	1/2	57,536	1/2	70,001	1/2	82,486	1/2	94,974	1/2	107,461	1/2	119,948
3/4	8,106	3/4	20,596	3/4	33,005	3/4	45,315	3/4	57,796	3/4	70,261	3/4	82,746	3/4	95,234	3/4	107,721	3/4	120,209
9	8,366	9	20,856	9	33,258	9	45,575	9	58,056	9	70,520	9	83,006	9	95,494	9	107,981	9	120,469
1/4	8,627	1/4	21,117	1/4	33,512	1/4	45,835	1/4	58,316	1/4	70,780	1/4	83,267	1/4	95,754	1/4	108,241	1/4	120,715
1/2	8,887	1/2	21,377	1/2	33,766	1/2	46,095	1/2	58,576	1/2	71,040	1/2	83,527	1/2	96,014	1/2	108,501	1/2	120,961
3/4	9,148	3/4	21,637	3/4	34,020	3/4	46,355	3/4	58,836	3/4	71,300	3/4	83,787	3/4	96,275	3/4	108,762	3/4	121,206
10	9,408	10	21,897	10	34,274	10	46,615	10	59,096	10	71,559	10	84,047	10	96,535	10	109,022	10	121,452
1/4	9,668	1/4	22,157	1/4	34,527	1/4	46,875	1/4	59,357	1/4	71,820	1/4	84,307	1/4	96,795	1/4	109,282	1/4	121,675
1/2	9,929	1/2	22,417	1/2	34,781	1/2	47,135	1/2	59,617	1/2	72,080	1/2	84,567	1/2	97,055	1/2	109,542	1/2	121,897
3/4	10,189	3/4	22,678	3/4	35,035	3/4	47,395	3/4	59,877	3/4	72,340	3/4	84,828	3/4	97,315	3/4	109,802	3/4	122,119
11	10,449	11	22,938	11	35,289	11	47,655	11	60,137	11	72,600	11	85,088	11	97,575	11	110,062	11	122,341
1/4	10,710	1/4	23,198	1/4	35,543	1/4	47,915	1/4	60,396	1/4	72,860	1/4	85,348	1/4	97,835	1/4	110,322	1/4	122,564
1/2	10,970	1/2	23,458	1/2	35,796	1/2	48,175	1/2	60,656	1/2	73,120	1/2	85,608	1/2	98,095	1/2	110,583	1/2	122,787
3/4	11,230	3/4	23,718	3/4	36,050	3/4	48,435	3/4	60,916	3/4	73,380	3/4	85,868	3/4	98,356	3/4	110,843	3/4	123,009

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'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "IB 1082"

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	123,232	0	133,916	0	144,600	0	155,284	0	166,905	0		0		0		0		0	
1/4	123,454	1/4	134,138	1/4	144,822	1/4	155,506	1/4	167,117	1/4		1/4		1/4		1/4		1/4	
1/2	123,677	1/2	134,361	1/2	145,045	1/2	155,729	1/2	167,330	1/2		1/2		1/2		1/2		1/2	
3/4	123,899	3/4	134,583	3/4	145,267	3/4	155,951	3/4	167,543	3/4		3/4		3/4		3/4		3/4	
1	124,122	1	134,806	1	145,490	1	156,174	1	167,755	1		1		1		1		1	
1/4	124,345	1/4	135,029	1/4	145,712	1/4	156,396	1/4	167,886	1/4		1/4		1/4		1/4		1/4	
1/2	124,567	1/2	135,251	1/2	145,935	1/2	156,619	1/2	168,016	1/2		1/2		1/2		1/2		1/2	
3/4	124,790	3/4	135,474	3/4	146,158	3/4	156,842	3/4	168,146	3/4		3/4		3/4		3/4		3/4	
2	125,012	2	135,696	2	146,380	2	157,064	2	168,277	2		2		2		2		2	
1/4	125,235	1/4	135,919	1/4	146,603	1/4	157,287	1/4	168,330	1/4		1/4		1/4		1/4		1/4	
1/2	125,457	1/2	136,141	1/2	146,825	1/2	157,509	1/2	168,384	1/2		1/2		1/2		1/2		1/2	
3/4	125,680	3/4	136,364	3/4	147,048	3/4	157,732	3/4	168,438	3/4		3/4		3/4		3/4		3/4	
3	125,903	3	136,587	3	147,271	3	157,955	3	168,491	3		3		3		3		3	
1/4	126,125	1/4	136,809	1/4	147,493	1/4	158,177	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,348	1/2	137,032	1/2	147,716	1/2	158,400	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,570	3/4	137,254	3/4	147,938	3/4	158,622	3/4		3/4		3/4		3/4		3/4		3/4	
4	126,793	4	137,477	4	148,161	4	158,845	4		4		4		4		4		4	
1/4	127,016	1/4	137,700	1/4	148,383	1/4	159,067	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,238	1/2	137,922	1/2	148,606	1/2	159,290	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,461	3/4	138,145	3/4	148,829	3/4	159,513	3/4		3/4		3/4		3/4		3/4		3/4	
5	127,683	5	138,367	5	149,051	5	159,735	5		5		5		5		5		5	
1/4	127,906	1/4	138,590	1/4	149,274	1/4	159,972	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,128	1/2	138,812	1/2	149,496	1/2	160,209	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,351	3/4	139,035	3/4	149,719	3/4	160,446	3/4		3/4		3/4		3/4		3/4		3/4	
6	128,574	6	139,258	6	149,942	6	160,683	6		6		6		6		6		6	
1/4	128,796	1/4	139,480	1/4	150,164	1/4	160,943	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	129,019	1/2	139,703	1/2	150,387	1/2	161,204	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,241	3/4	139,925	3/4	150,609	3/4	161,465	3/4		3/4		3/4		3/4		3/4		3/4	
7	129,464	7	140,148	7	150,832	7	161,725	7		7		7		7		7		7	
1/4	129,687	1/4	140,371	1/4	151,054	1/4	161,986	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	129,909	1/2	140,593	1/2	151,277	1/2	162,247	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	130,132	3/4	140,816	3/4	151,500	3/4	162,507	3/4		3/4		3/4		3/4		3/4		3/4	
8	130,354	8	141,038	8	151,722	8	162,768	8		8		8		8		8		8	
1/4	130,577	1/4	141,261	1/4	151,945	1/4	163,029	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	130,799	1/2	141,483	1/2	152,167	1/2	163,289	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	131,022	3/4	141,706	3/4	152,390	3/4	163,550	3/4		3/4		3/4		3/4		3/4		3/4	
9	131,245	9	141,929	9	152,613	9	163,811	9		9		9		9		9		9	
1/4	131,467	1/4	142,151	1/4	152,835	1/4	164,071	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	131,690	1/2	142,374	1/2	153,058	1/2	164,332	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	131,912	3/4	142,596	3/4	153,280	3/4	164,592	3/4		3/4		3/4		3/4		3/4		3/4	
10	132,135	10	142,819	10	153,503	10	164,853	10		10		10		10		10		10	
1/4	132,358	1/4	143,042	1/4	153,725	1/4	165,113	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	132,580	1/2	143,264	1/2	153,948	1/2	165,373	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	132,803	3/4	143,487	3/4	154,171	3/4	165,633	3/4		3/4		3/4		3/4		3/4		3/4	
11	133,025	11	143,709	11	154,393	11	165,893	11		11		11		11		11		11	
1/4	133,248	1/4	143,932	1/4	154,616	1/4	166,146	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	133,470	1/2	144,154	1/2	154,838	1/2	166,399	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	133,693	3/4	144,377	3/4	155,061	3/4	166,652	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 07/29/2015 CL
CALCULATED: 07/30/2015 CL
PRINTED: 07/30/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2015

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "IB 1082"

2 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	84	0	10,057	0	21,137	0	32,055	0	43,044	0	54,124	0	65,204	0	76,284	0	87,365	0	98,445
1/4	151	1/4	10,288	1/4	21,367	1/4	32,280	1/4	43,275	1/4	54,355	1/4	65,435	1/4	76,515	1/4	87,595	1/4	98,676
1/2	219	1/2	10,519	1/2	21,598	1/2	32,504	1/2	43,506	1/2	54,586	1/2	65,666	1/2	76,746	1/2	87,826	1/2	98,906
3/4	286	3/4	10,749	3/4	21,829	3/4	32,729	3/4	43,737	3/4	54,817	3/4	65,897	3/4	76,977	3/4	88,057	3/4	99,137
1	353	1	10,980	1	22,060	1	32,953	1	43,968	1	55,048	1	66,128	1	77,208	1	88,288	1	99,368
1/4	498	1/4	11,211	1/4	22,291	1/4	33,178	1/4	44,198	1/4	55,278	1/4	66,359	1/4	77,439	1/4	88,519	1/4	99,599
1/2	642	1/2	11,442	1/2	22,522	1/2	33,402	1/2	44,429	1/2	55,509	1/2	66,589	1/2	77,670	1/2	88,750	1/2	99,830
3/4	786	3/4	11,673	3/4	22,752	3/4	33,627	3/4	44,660	3/4	55,740	3/4	66,820	3/4	77,900	3/4	88,980	3/4	100,061
2	930	2	11,903	2	22,983	2	33,851	2	44,891	2	55,971	2	67,051	2	78,131	2	89,211	2	100,291
1/4	1,136	1/4	12,134	1/4	23,214	1/4	34,076	1/4	45,122	1/4	56,202	1/4	67,282	1/4	78,362	1/4	89,442	1/4	100,522
1/2	1,342	1/2	12,365	1/2	23,445	1/2	34,301	1/2	45,353	1/2	56,433	1/2	67,513	1/2	78,593	1/2	89,673	1/2	100,753
3/4	1,548	3/4	12,596	3/4	23,676	3/4	34,525	3/4	45,583	3/4	56,663	3/4	67,744	3/4	78,824	3/4	89,904	3/4	100,984
3	1,754	3	12,827	3	23,906	3	34,750	3	45,814	3	56,894	3	67,974	3	79,055	3	90,135	3	101,215
1/4	1,984	1/4	13,058	1/4	24,137	1/4	34,977	1/4	46,045	1/4	57,125	1/4	68,205	1/4	79,285	1/4	90,365	1/4	101,446
1/2	2,213	1/2	13,288	1/2	24,368	1/2	35,204	1/2	46,276	1/2	57,356	1/2	68,436	1/2	79,516	1/2	90,596	1/2	101,676
3/4	2,443	3/4	13,519	3/4	24,599	3/4	35,431	3/4	46,507	3/4	57,587	3/4	68,667	3/4	79,747	3/4	90,827	3/4	101,907
4	2,672	4	13,750	4	24,830	4	35,657	4	46,738	4	57,818	4	68,898	4	79,978	4	91,058	4	102,138
1/4	2,903	1/4	13,981	1/4	25,061	1/4	35,888	1/4	46,968	1/4	58,048	1/4	69,129	1/4	80,209	1/4	91,289	1/4	102,369
1/2	3,133	1/2	14,212	1/2	25,291	1/2	36,119	1/2	47,199	1/2	58,279	1/2	69,359	1/2	80,440	1/2	91,520	1/2	102,600
3/4	3,364	3/4	14,443	3/4	25,522	3/4	36,350	3/4	47,430	3/4	58,510	3/4	69,590	3/4	80,670	3/4	91,750	3/4	102,831
5	3,594	5	14,673	5	25,753	5	36,581	5	47,661	5	58,741	5	69,821	5	80,901	5	91,981	5	103,061
1/4	3,825	1/4	14,904	1/4	25,982	1/4	36,812	1/4	47,892	1/4	58,972	1/4	70,052	1/4	81,132	1/4	92,212	1/4	103,292
1/2	4,056	1/2	15,135	1/2	26,210	1/2	37,042	1/2	48,123	1/2	59,203	1/2	70,283	1/2	81,363	1/2	92,443	1/2	103,523
3/4	4,286	3/4	15,366	3/4	26,438	3/4	37,273	3/4	48,353	3/4	59,433	3/4	70,514	3/4	81,594	3/4	92,674	3/4	103,754
6	4,517	6	15,597	6	26,667	6	37,504	6	48,584	6	59,664	6	70,744	6	81,825	6	92,905	6	103,985
1/4	4,748	1/4	15,828	1/4	26,891	1/4	37,735	1/4	48,815	1/4	59,895	1/4	70,975	1/4	82,055	1/4	93,135	1/4	104,216
1/2	4,979	1/2	16,058	1/2	27,116	1/2	37,966	1/2	49,046	1/2	60,126	1/2	71,206	1/2	82,286	1/2	93,366	1/2	104,446
3/4	5,210	3/4	16,289	3/4	27,340	3/4	38,197	3/4	49,277	3/4	60,357	3/4	71,437	3/4	82,517	3/4	93,597	3/4	104,677
7	5,441	7	16,520	7	27,565	7	38,427	7	49,508	7	60,588	7	71,668	7	82,748	7	93,828	7	104,908
1/4	5,671	1/4	16,751	1/4	27,789	1/4	38,658	1/4	49,738	1/4	60,819	1/4	71,899	1/4	82,979	1/4	94,059	1/4	105,139
1/2	5,902	1/2	16,982	1/2	28,014	1/2	38,889	1/2	49,969	1/2	61,049	1/2	72,129	1/2	83,210	1/2	94,290	1/2	105,370
3/4	6,133	3/4	17,213	3/4	28,239	3/4	39,120	3/4	50,200	3/4	61,280	3/4	72,360	3/4	83,440	3/4	94,521	3/4	105,601
8	6,364	8	17,443	8	28,463	8	39,351	8	50,431	8	61,511	8	72,591	8	83,671	8	94,751	8	105,831
1/4	6,595	1/4	17,674	1/4	28,688	1/4	39,582	1/4	50,662	1/4	61,742	1/4	72,822	1/4	83,902	1/4	94,982	1/4	106,062
1/2	6,825	1/2	17,905	1/2	28,912	1/2	39,812	1/2	50,893	1/2	61,973	1/2	73,053	1/2	84,133	1/2	95,213	1/2	106,293
3/4	7,056	3/4	18,136	3/4	29,137	3/4	40,043	3/4	51,123	3/4	62,204	3/4	73,284	3/4	84,364	3/4	95,444	3/4	106,524
9	7,287	9	18,367	9	29,361	9	40,274	9	51,354	9	62,434	9	73,514	9	84,595	9	95,675	9	106,755
1/4	7,518	1/4	18,597	1/4	29,586	1/4	40,505	1/4	51,585	1/4	62,665	1/4	73,745	1/4	84,825	1/4	95,906	1/4	106,986
1/2	7,749	1/2	18,828	1/2	29,810	1/2	40,736	1/2	51,816	1/2	62,896	1/2	73,976	1/2	85,056	1/2	96,136	1/2	107,216
3/4	7,979	3/4	19,059	3/4	30,035	3/4	40,967	3/4	52,047	3/4	63,127	3/4	74,207	3/4	85,287	3/4	96,367	3/4	107,447
10	8,210	10	19,290	10	30,259	10	41,197	10	52,278	10	63,358	10	74,438	10	85,518	10	96,598	10	107,678
1/4	8,441	1/4	19,521	1/4	30,484	1/4	41,428	1/4	52,508	1/4	63,589	1/4	74,669	1/4	85,749	1/4	96,829	1/4	107,909
1/2	8,672	1/2	19,752	1/2	30,708	1/2	41,659	1/2	52,739	1/2	63,819	1/2	74,899	1/2	85,980	1/2	97,060	1/2	108,140
3/4	8,903	3/4	19,982	3/4	30,933	3/4	41,890	3/4	52,970	3/4	64,050	3/4	75,130	3/4	86,210	3/4	97,291	3/4	108,371
11	9,134	11	20,213	11	31,157	11	42,121	11	53,201	11	64,281	11	75,361	11	86,441	11	97,521	11	108,601
1/4	9,364	1/4	20,444	1/4	31,382	1/4	42,352	1/4	53,432	1/4	64,512	1/4	75,592	1/4	86,672	1/4	97,752	1/4	108,832
1/2	9,595	1/2	20,675	1/2	31,606	1/2	42,582	1/2	53,663	1/2	64,743	1/2	75,823	1/2	86,903	1/2	97,983	1/2	109,063
3/4	9,826	3/4	20,906	3/4	31,831	3/4	42,813	3/4	53,893	3/4	64,974	3/4	76,054	3/4	87,134	3/4	98,214	3/4	109,294

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 1082"

2 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	109,525	0	120,605	0	131,685	0	142,765	0	153,815	0		0		0		0		0	
1/4	109,756	1/4	120,836	1/4	131,916	1/4	142,996	1/4	154,003	1/4		1/4		1/4		1/4		1/4	
1/2	109,986	1/2	121,067	1/2	132,147	1/2	143,227	1/2	154,192	1/2		1/2		1/2		1/2		1/2	
3/4	110,217	3/4	121,297	3/4	132,378	3/4	143,458	3/4	154,380	3/4		3/4		3/4		3/4		3/4	
1	110,448	1	121,528	1	132,608	1	143,688	1	154,568	1		1		1		1		1	
1/4	110,679	1/4	121,759	1/4	132,839	1/4	143,919	1/4	154,684	1/4		1/4		1/4		1/4		1/4	
1/2	110,910	1/2	121,990	1/2	133,070	1/2	144,150	1/2	154,799	1/2		1/2		1/2		1/2		1/2	
3/4	111,141	3/4	122,221	3/4	133,301	3/4	144,381	3/4	154,915	3/4		3/4		3/4		3/4		3/4	
2	111,372	2	122,452	2	133,532	2	144,612	2	155,030	2		2		2		2		2	
1/4	111,602	1/4	122,682	1/4	133,763	1/4	144,843	1/4	155,078	1/4		1/4		1/4		1/4		1/4	
1/2	111,833	1/2	122,913	1/2	133,993	1/2	145,074	1/2	155,125	1/2		1/2		1/2		1/2		1/2	
3/4	112,064	3/4	123,144	3/4	134,224	3/4	145,304	3/4	155,173	3/4		3/4		3/4		3/4		3/4	
3	112,295	3	123,375	3	134,455	3	145,535	3	155,220	3		3		3		3		3	
1/4	112,526	1/4	123,606	1/4	134,686	1/4	145,766	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,757	1/2	123,837	1/2	134,917	1/2	145,997	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,987	3/4	124,067	3/4	135,148	3/4	146,228	3/4		3/4		3/4		3/4		3/4		3/4	
4	113,218	4	124,298	4	135,378	4	146,459	4	146,459	4		4		4		4		4	
1/4	113,449	1/4	124,529	1/4	135,609	1/4	146,689	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,680	1/2	124,760	1/2	135,840	1/2	146,920	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,911	3/4	124,991	3/4	136,071	3/4	147,151	3/4		3/4		3/4		3/4		3/4		3/4	
5	114,142	5	125,222	5	136,302	5	147,382	5		5		5		5		5		5	
1/4	114,372	1/4	125,452	1/4	136,533	1/4	147,613	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,603	1/2	125,683	1/2	136,763	1/2	147,844	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,834	3/4	125,914	3/4	136,994	3/4	148,074	3/4		3/4		3/4		3/4		3/4		3/4	
6	115,065	6	126,145	6	137,225	6	148,305	6		6		6		6		6		6	
1/4	115,296	1/4	126,376	1/4	137,456	1/4	148,536	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,527	1/2	126,607	1/2	137,687	1/2	148,767	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,757	3/4	126,837	3/4	137,918	3/4	148,998	3/4		3/4		3/4		3/4		3/4		3/4	
7	115,988	7	127,068	7	138,148	7	149,229	7		7		7		7		7		7	
1/4	116,219	1/4	127,299	1/4	138,379	1/4	149,459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	116,450	1/2	127,530	1/2	138,610	1/2	149,690	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116,681	3/4	127,761	3/4	138,841	3/4	149,921	3/4		3/4		3/4		3/4		3/4		3/4	
8	116,912	8	127,992	8	139,072	8	150,152	8		8		8		8		8		8	
1/4	117,142	1/4	128,223	1/4	139,303	1/4	150,383	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,373	1/2	128,453	1/2	139,533	1/2	150,614	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	117,604	3/4	128,684	3/4	139,764	3/4	150,844	3/4		3/4		3/4		3/4		3/4		3/4	
9	117,835	9	128,915	9	139,995	9	151,075	9		9		9		9		9		9	
1/4	118,066	1/4	129,146	1/4	140,226	1/4	151,306	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,297	1/2	129,377	1/2	140,457	1/2	151,537	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,527	3/4	129,608	3/4	140,688	3/4	151,767	3/4		3/4		3/4		3/4		3/4		3/4	
10	118,758	10	129,838	10	140,918	10	151,998	10		10		10		10		10		10	
1/4	118,989	1/4	130,069	1/4	141,149	1/4	152,228	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,220	1/2	130,300	1/2	141,380	1/2	152,458	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,451	3/4	130,531	3/4	141,611	3/4	152,689	3/4		3/4		3/4		3/4		3/4		3/4	
11	119,682	11	130,762	11	141,842	11	152,919	11		11		11		11		11		11	
1/4	119,912	1/4	130,993	1/4	142,073	1/4	153,143	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,143	1/2	131,223	1/2	142,303	1/2	153,367	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,374	3/4	131,454	3/4	142,534	3/4	153,591	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/29/2015 CL
CALCULATED: 07/30/2015 CL
PRINTED: 07/30/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2015

PRECISION MEASUREMENT
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BARGE "IB 1082"

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	83	0	9,970	0	20,954	0	31,927	0	42,906	0	53,890	0	64,875	0	75,859	0	86,844	0	97,828
1/4	150	1/4	10,199	1/4	21,183	1/4	32,156	1/4	43,135	1/4	54,119	1/4	65,104	1/4	76,088	1/4	87,073	1/4	98,057
1/2	217	1/2	10,428	1/2	21,412	1/2	32,384	1/2	43,363	1/2	54,348	1/2	65,333	1/2	76,317	1/2	87,302	1/2	98,286
3/4	284	3/4	10,657	3/4	21,641	3/4	32,612	3/4	43,592	3/4	54,577	3/4	65,561	3/4	76,546	3/4	87,530	3/4	98,515
1	350	1	10,886	1	21,870	1	32,841	1	43,821	1	54,806	1	65,790	1	76,775	1	87,759	1	98,744
1/4	493	1/4	11,115	1/4	22,099	1/4	33,069	1/4	44,050	1/4	55,034	1/4	66,019	1/4	77,004	1/4	87,988	1/4	98,973
1/2	636	1/2	11,343	1/2	22,327	1/2	33,298	1/2	44,279	1/2	55,263	1/2	66,248	1/2	77,232	1/2	88,217	1/2	99,202
3/4	779	3/4	11,572	3/4	22,556	3/4	33,526	3/4	44,508	3/4	55,492	3/4	66,477	3/4	77,461	3/4	88,446	3/4	99,430
2	922	2	11,801	2	22,785	2	33,754	2	44,736	2	55,721	2	66,706	2	77,690	2	88,675	2	99,659
1/4	1,127	1/4	12,030	1/4	23,014	1/4	33,983	1/4	44,965	1/4	55,950	1/4	66,934	1/4	77,919	1/4	88,904	1/4	99,888
1/2	1,331	1/2	12,259	1/2	23,243	1/2	34,211	1/2	45,194	1/2	56,179	1/2	67,163	1/2	78,148	1/2	89,132	1/2	100,117
3/4	1,535	3/4	12,488	3/4	23,472	3/4	34,440	3/4	45,423	3/4	56,408	3/4	67,392	3/4	78,377	3/4	89,361	3/4	100,346
3	1,739	3	12,716	3	23,700	3	34,668	3	45,652	3	56,636	3	67,621	3	78,606	3	89,590	3	100,575
1/4	1,967	1/4	12,945	1/4	23,929	1/4	34,897	1/4	45,881	1/4	56,865	1/4	67,850	1/4	78,834	1/4	89,819	1/4	100,803
1/2	2,194	1/2	13,174	1/2	24,158	1/2	35,125	1/2	46,110	1/2	57,094	1/2	68,079	1/2	79,063	1/2	90,048	1/2	101,032
3/4	2,422	3/4	13,403	3/4	24,387	3/4	35,354	3/4	46,338	3/4	57,323	3/4	68,307	3/4	79,292	3/4	90,277	3/4	101,261
4	2,649	4	13,632	4	24,616	4	35,583	4	46,567	4	57,552	4	68,536	4	79,521	4	90,505	4	101,490
1/4	2,878	1/4	13,861	1/4	24,845	1/4	35,812	1/4	46,796	1/4	57,781	1/4	68,765	1/4	79,750	1/4	90,734	1/4	101,719
1/2	3,106	1/2	14,089	1/2	25,073	1/2	36,040	1/2	47,025	1/2	58,009	1/2	68,994	1/2	79,979	1/2	90,963	1/2	101,948
3/4	3,335	3/4	14,318	3/4	25,302	3/4	36,269	3/4	47,254	3/4	58,238	3/4	69,223	3/4	80,207	3/4	91,192	3/4	102,177
5	3,563	5	14,547	5	25,531	5	36,498	5	47,483	5	58,467	5	69,452	5	80,436	5	91,421	5	102,405
1/4	3,792	1/4	14,776	1/4	25,760	1/4	36,727	1/4	47,711	1/4	58,696	1/4	69,681	1/4	80,665	1/4	91,650	1/4	102,634
1/2	4,021	1/2	15,005	1/2	25,989	1/2	36,956	1/2	47,940	1/2	58,925	1/2	69,909	1/2	80,894	1/2	91,879	1/2	102,863
3/4	4,250	3/4	15,234	3/4	26,217	3/4	37,185	3/4	48,169	3/4	59,154	3/4	70,138	3/4	81,123	3/4	92,107	3/4	103,092
6	4,478	6	15,462	6	26,446	6	37,413	6	48,398	6	59,383	6	70,367	6	81,352	6	92,336	6	103,321
1/4	4,707	1/4	15,691	1/4	26,674	1/4	37,642	1/4	48,627	1/4	59,611	1/4	70,596	1/4	81,581	1/4	92,565	1/4	103,550
1/2	4,936	1/2	15,920	1/2	26,903	1/2	37,871	1/2	48,856	1/2	59,840	1/2	70,825	1/2	81,809	1/2	92,794	1/2	103,778
3/4	5,165	3/4	16,149	3/4	27,131	3/4	38,100	3/4	49,085	3/4	60,069	3/4	71,054	3/4	82,038	3/4	93,023	3/4	104,007
7	5,394	7	16,378	7	27,359	7	38,329	7	49,313	7	60,298	7	71,282	7	82,267	7	93,252	7	104,236
1/4	5,623	1/4	16,607	1/4	27,588	1/4	38,558	1/4	49,542	1/4	60,527	1/4	71,511	1/4	82,496	1/4	93,480	1/4	104,465
1/2	5,851	1/2	16,835	1/2	27,816	1/2	38,786	1/2	49,771	1/2	60,756	1/2	71,740	1/2	82,725	1/2	93,709	1/2	104,694
3/4	6,080	3/4	17,064	3/4	28,045	3/4	39,015	3/4	50,000	3/4	60,984	3/4	71,969	3/4	82,954	3/4	93,938	3/4	104,923
8	6,309	8	17,293	8	28,273	8	39,244	8	50,229	8	61,213	8	72,198	8	83,182	8	94,167	8	105,152
1/4	6,538	1/4	17,522	1/4	28,501	1/4	39,473	1/4	50,458	1/4	61,442	1/4	72,427	1/4	83,411	1/4	94,396	1/4	105,380
1/2	6,767	1/2	17,751	1/2	28,730	1/2	39,702	1/2	50,686	1/2	61,671	1/2	72,656	1/2	83,640	1/2	94,625	1/2	105,609
3/4	6,996	3/4	17,980	3/4	28,958	3/4	39,931	3/4	50,915	3/4	61,900	3/4	72,884	3/4	83,869	3/4	94,854	3/4	105,838
9	7,224	9	18,208	9	29,187	9	40,160	9	51,144	9	62,129	9	73,113	9	84,098	9	95,082	9	106,067
1/4	7,453	1/4	18,437	1/4	29,415	1/4	40,388	1/4	51,373	1/4	62,358	1/4	73,342	1/4	84,327	1/4	95,311	1/4	106,296
1/2	7,682	1/2	18,666	1/2	29,643	1/2	40,617	1/2	51,602	1/2	62,586	1/2	73,571	1/2	84,555	1/2	95,540	1/2	106,525
3/4	7,911	3/4	18,895	3/4	29,872	3/4	40,846	3/4	51,831	3/4	62,815	3/4	73,800	3/4	84,784	3/4	95,769	3/4	106,753
10	8,140	10	19,124	10	30,100	10	41,075	10	52,059	10	63,044	10	74,029	10	85,013	10	95,998	10	106,982
1/4	8,368	1/4	19,353	1/4	30,328	1/4	41,304	1/4	52,288	1/4	63,273	1/4	74,257	1/4	85,242	1/4	96,227	1/4	107,211
1/2	8,597	1/2	19,581	1/2	30,557	1/2	41,533	1/2	52,517	1/2	63,502	1/2	74,486	1/2	85,471	1/2	96,455	1/2	107,440
3/4	8,826	3/4	19,810	3/4	30,785	3/4	41,761	3/4	52,746	3/4	63,731	3/4	74,715	3/4	85,700	3/4	96,684	3/4	107,669
11	9,055	11	20,039	11	31,014	11	41,990	11	52,975	11	63,959	11	74,944	11	85,929	11	96,913	11	107,898
1/4	9,284	1/4	20,268	1/4	31,242	1/4	42,219	1/4	53,204	1/4	64,188	1/4	75,173	1/4	86,157	1/4	97,142	1/4	108,127
1/2	9,513	1/2	20,497	1/2	31,470	1/2	42,448	1/2	53,433	1/2	64,417	1/2	75,402	1/2	86,386	1/2	97,371	1/2	108,355
3/4	9,741	3/4	20,726	3/4	31,699	3/4	42,677	3/4	53,661	3/4	64,646	3/4	75,631	3/4	86,615	3/4	97,600	3/4	108,584

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
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BARGE "IB 1082"

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	108,813	0	119,798	0	130,782	0	141,767	0	152,722	0		0		0		0		0	
1/4	109,042	1/4	120,026	1/4	131,011	1/4	141,996	1/4	152,908	1/4		1/4		1/4		1/4		1/4	
1/2	109,271	1/2	120,255	1/2	131,240	1/2	142,224	1/2	153,095	1/2		1/2		1/2		1/2		1/2	
3/4	109,500	3/4	120,484	3/4	131,469	3/4	142,453	3/4	153,282	3/4		3/4		3/4		3/4		3/4	
1	109,728	1	120,713	1	131,698	1	142,682	1	153,468	1	1	1	1	1	1	1	1	1	1
1/4	109,957	1/4	120,942	1/4	131,926	1/4	142,911	1/4	153,583	1/4		1/4		1/4		1/4		1/4	
1/2	110,186	1/2	121,171	1/2	132,155	1/2	143,140	1/2	153,697	1/2		1/2		1/2		1/2		1/2	
3/4	110,415	3/4	121,400	3/4	132,384	3/4	143,369	3/4	153,812	3/4		3/4		3/4		3/4		3/4	
2	110,644	2	121,628	2	132,613	2	143,597	2	153,926	2	2	2	2	2	2	2	2	2	2
1/4	110,873	1/4	121,857	1/4	132,842	1/4	143,826	1/4	153,973	1/4		1/4		1/4		1/4		1/4	
1/2	111,102	1/2	122,086	1/2	133,071	1/2	144,055	1/2	154,020	1/2		1/2		1/2		1/2		1/2	
3/4	111,330	3/4	122,315	3/4	133,299	3/4	144,284	3/4	154,067	3/4		3/4		3/4		3/4		3/4	
3	111,559	3	122,544	3	133,528	3	144,513	3	154,114	3	3	3	3	3	3	3	3	3	3
1/4	111,788	1/4	122,773	1/4	133,757	1/4	144,742	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,017	1/2	123,001	1/2	133,986	1/2	144,971	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,246	3/4	123,230	3/4	134,215	3/4	145,199	3/4		3/4		3/4		3/4		3/4		3/4	
4	112,475	4	123,459	4	134,444	4	145,428	4	4	4	4	4	4	4	4	4	4	4	4
1/4	112,703	1/4	123,688	1/4	134,673	1/4	145,657	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,932	1/2	123,917	1/2	134,901	1/2	145,886	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,161	3/4	124,146	3/4	135,130	3/4	146,115	3/4		3/4		3/4		3/4		3/4		3/4	
5	113,390	5	124,375	5	135,359	5	146,344	5	5	5	5	5	5	5	5	5	5	5	5
1/4	113,619	1/4	124,603	1/4	135,588	1/4	146,572	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,848	1/2	124,832	1/2	135,817	1/2	146,801	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,076	3/4	125,061	3/4	136,046	3/4	147,030	3/4		3/4		3/4		3/4		3/4		3/4	
6	114,305	6	125,290	6	136,274	6	147,259	6	6	6	6	6	6	6	6	6	6	6	6
1/4	114,534	1/4	125,519	1/4	136,503	1/4	147,488	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,763	1/2	125,748	1/2	136,732	1/2	147,717	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,992	3/4	125,976	3/4	136,961	3/4	147,946	3/4		3/4		3/4		3/4		3/4		3/4	
7	115,221	7	126,205	7	137,190	7	148,174	7	7	7	7	7	7	7	7	7	7	7	7
1/4	115,450	1/4	126,434	1/4	137,419	1/4	148,403	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,678	1/2	126,663	1/2	137,648	1/2	148,632	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,907	3/4	126,892	3/4	137,876	3/4	148,861	3/4		3/4		3/4		3/4		3/4		3/4	
8	116,136	8	127,121	8	138,105	8	149,090	8	8	8	8	8	8	8	8	8	8	8	8
1/4	116,365	1/4	127,350	1/4	138,334	1/4	149,319	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	116,594	1/2	127,578	1/2	138,563	1/2	149,548	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116,823	3/4	127,807	3/4	138,792	3/4	149,776	3/4		3/4		3/4		3/4		3/4		3/4	
9	117,051	9	128,036	9	139,021	9	150,005	9	9	9	9	9	9	9	9	9	9	9	9
1/4	117,280	1/4	128,265	1/4	139,249	1/4	150,234	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,509	1/2	128,494	1/2	139,478	1/2	150,463	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	117,738	3/4	128,723	3/4	139,707	3/4	150,691	3/4		3/4		3/4		3/4		3/4		3/4	
10	117,967	10	128,951	10	139,936	10	150,920	10	10	10	10	10	10	10	10	10	10	10	10
1/4	118,196	1/4	129,180	1/4	140,165	1/4	151,148	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,425	1/2	129,409	1/2	140,394	1/2	151,377	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,653	3/4	129,638	3/4	140,623	3/4	151,605	3/4		3/4		3/4		3/4		3/4		3/4	
11	118,882	11	129,867	11	140,851	11	151,833	11	11	11	11	11	11	11	11	11	11	11	11
1/4	119,111	1/4	130,096	1/4	141,080	1/4	152,055	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,340	1/2	130,324	1/2	141,309	1/2	152,277	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,569	3/4	130,553	3/4	141,538	3/4	152,499	3/4		3/4		3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2015

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