



BARGE "IB 1081"

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 1081"

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	235	0	11,496	0	23,990	0	36,321	0	48,718	0	61,205	0	73,676	0	86,169	0	98,662	0	111,156
1/4	311	1/4	11,756	1/4	24,250	1/4	36,575	1/4	48,978	1/4	61,465	1/4	73,936	1/4	86,429	1/4	98,923	1/4	111,416
1/2	387	1/2	12,016	1/2	24,510	1/2	36,829	1/2	49,239	1/2	61,724	1/2	74,196	1/2	86,690	1/2	99,183	1/2	111,676
3/4	463	3/4	12,277	3/4	24,771	3/4	37,083	3/4	49,499	3/4	61,984	3/4	74,456	3/4	86,950	3/4	99,443	3/4	111,936
1	539	1	12,537	1	25,031	1	37,337	1	49,759	1	62,244	1	74,717	1	87,210	1	99,704	1	112,197
1/4	702	1/4	12,797	1/4	25,291	1/4	37,591	1/4	50,019	1/4	62,503	1/4	74,977	1/4	87,471	1/4	99,964	1/4	112,457
1/2	865	1/2	13,057	1/2	25,552	1/2	37,845	1/2	50,279	1/2	62,763	1/2	75,237	1/2	87,731	1/2	100,224	1/2	112,717
3/4	1,028	3/4	13,318	3/4	25,812	3/4	38,099	3/4	50,539	3/4	63,023	3/4	75,498	3/4	87,991	3/4	100,484	3/4	112,978
2	1,191	2	13,578	2	26,072	2	38,352	2	50,800	2	63,282	2	75,758	2	88,251	2	100,745	2	113,238
1/4	1,424	1/4	13,838	1/4	26,332	1/4	38,606	1/4	51,060	1/4	63,542	1/4	76,018	1/4	88,512	1/4	101,005	1/4	113,498
1/2	1,657	1/2	14,099	1/2	26,593	1/2	38,860	1/2	51,320	1/2	63,802	1/2	76,278	1/2	88,772	1/2	101,265	1/2	113,758
3/4	1,889	3/4	14,359	3/4	26,853	3/4	39,114	3/4	51,580	3/4	64,062	3/4	76,539	3/4	89,032	3/4	101,525	3/4	114,019
3	2,122	3	14,619	3	27,113	3	39,368	3	51,840	3	64,321	3	76,799	3	89,293	3	101,786	3	114,279
1/4	2,381	1/4	14,880	1/4	27,374	1/4	39,624	1/4	52,100	1/4	64,581	1/4	77,059	1/4	89,553	1/4	102,046	1/4	114,539
1/2	2,641	1/2	15,140	1/2	27,634	1/2	39,881	1/2	52,360	1/2	64,841	1/2	77,320	1/2	89,813	1/2	102,306	1/2	114,800
3/4	2,900	3/4	15,400	3/4	27,894	3/4	40,137	3/4	52,621	3/4	65,100	3/4	77,580	3/4	90,073	3/4	102,566	3/4	115,060
4	3,159	4	15,660	4	28,155	4	40,393	4	52,881	4	65,360	4	77,840	4	90,334	4	102,827	4	115,320
1/4	3,419	1/4	15,921	1/4	28,415	1/4	40,653	1/4	53,141	1/4	65,620	1/4	78,100	1/4	90,594	1/4	103,087	1/4	115,580
1/2	3,680	1/2	16,181	1/2	28,675	1/2	40,914	1/2	53,401	1/2	65,879	1/2	78,361	1/2	90,854	1/2	103,347	1/2	115,841
3/4	3,940	3/4	16,441	3/4	28,935	3/4	41,174	3/4	53,661	3/4	66,139	3/4	78,621	3/4	91,115	3/4	103,607	3/4	116,101
5	4,201	5	16,702	5	29,196	5	41,434	5	53,921	5	66,399	5	78,881	5	91,375	5	103,868	5	116,361
1/4	4,461	1/4	16,962	1/4	29,454	1/4	41,694	1/4	54,182	1/4	66,658	1/4	79,142	1/4	91,635	1/4	104,128	1/4	116,622
1/2	4,722	1/2	17,222	1/2	29,712	1/2	41,954	1/2	54,442	1/2	66,918	1/2	79,402	1/2	91,895	1/2	104,388	1/2	116,882
3/4	4,983	3/4	17,483	3/4	29,969	3/4	42,214	3/4	54,702	3/4	67,178	3/4	79,662	3/4	92,156	3/4	104,649	3/4	117,142
6	5,244	6	17,743	6	30,227	6	42,475	6	54,962	6	67,437	6	79,922	6	92,416	6	104,909	6	117,402
1/4	5,504	1/4	18,003	1/4	30,481	1/4	42,735	1/4	55,222	1/4	67,697	1/4	80,183	1/4	92,676	1/4	105,169	1/4	117,663
1/2	5,765	1/2	18,263	1/2	30,735	1/2	42,995	1/2	55,482	1/2	67,957	1/2	80,443	1/2	92,937	1/2	105,429	1/2	117,923
3/4	6,026	3/4	18,524	3/4	30,989	3/4	43,255	3/4	55,742	3/4	68,216	3/4	80,703	3/4	93,197	3/4	105,690	3/4	118,183
7	6,286	7	18,784	7	31,243	7	43,515	7	56,003	7	68,476	7	80,964	7	93,457	7	105,950	7	118,444
1/4	6,547	1/4	19,044	1/4	31,497	1/4	43,775	1/4	56,263	1/4	68,736	1/4	81,224	1/4	93,717	1/4	106,210	1/4	118,704
1/2	6,808	1/2	19,305	1/2	31,751	1/2	44,035	1/2	56,523	1/2	68,996	1/2	81,484	1/2	93,978	1/2	106,471	1/2	118,964
3/4	7,068	3/4	19,565	3/4	32,005	3/4	44,296	3/4	56,783	3/4	69,255	3/4	81,744	3/4	94,238	3/4	106,731	3/4	119,224
8	7,329	8	19,825	8	32,259	8	44,556	8	57,043	8	69,515	8	82,005	8	94,498	8	106,991	8	119,485
1/4	7,589	1/4	20,085	1/4	32,512	1/4	44,816	1/4	57,303	1/4	69,775	1/4	82,265	1/4	94,759	1/4	107,251	1/4	119,745
1/2	7,849	1/2	20,346	1/2	32,766	1/2	45,076	1/2	57,564	1/2	70,034	1/2	82,525	1/2	95,019	1/2	107,512	1/2	120,005
3/4	8,110	3/4	20,606	3/4	33,020	3/4	45,336	3/4	57,824	3/4	70,294	3/4	82,786	3/4	95,279	3/4	107,772	3/4	120,266
9	8,370	9	20,866	9	33,274	9	45,596	9	58,084	9	70,554	9	83,046	9	95,539	9	108,032	9	120,526
1/4	8,631	1/4	21,127	1/4	33,528	1/4	45,857	1/4	58,344	1/4	70,814	1/4	83,306	1/4	95,800	1/4	108,293	1/4	120,772
1/2	8,891	1/2	21,387	1/2	33,782	1/2	46,117	1/2	58,604	1/2	71,073	1/2	83,566	1/2	96,060	1/2	108,553	1/2	121,018
3/4	9,152	3/4	21,647	3/4	34,036	3/4	46,377	3/4	58,864	3/4	71,333	3/4	83,827	3/4	96,320	3/4	108,813	3/4	121,264
10	9,413	10	21,907	10	34,290	10	46,637	10	59,124	10	71,593	10	84,087	10	96,580	10	109,073	10	121,510
1/4	9,673	1/4	22,168	1/4	34,544	1/4	46,897	1/4	59,385	1/4	71,854	1/4	84,347	1/4	96,841	1/4	109,334	1/4	121,732
1/2	9,934	1/2	22,428	1/2	34,798	1/2	47,157	1/2	59,645	1/2	72,114	1/2	84,607	1/2	97,101	1/2	109,594	1/2	121,955
3/4	10,194	3/4	22,688	3/4	35,052	3/4	47,417	3/4	59,905	3/4	72,374	3/4	84,868	3/4	97,361	3/4	109,854	3/4	122,177
11	10,454	11	22,949	11	35,305	11	47,678	11	60,165	11	72,634	11	85,128	11	97,621	11	110,115	11	122,399
1/4	10,715	1/4	23,209	1/4	35,559	1/4	47,938	1/4	60,425	1/4	72,895	1/4	85,388	1/4	97,882	1/4	110,375	1/4	122,622
1/2	10,975	1/2	23,469	1/2	35,813	1/2	48,198	1/2	60,685	1/2	73,155	1/2	85,649	1/2	98,142	1/2	110,635	1/2	122,845
3/4	11,235	3/4	23,730	3/4	36,067	3/4	48,458	3/4	60,945	3/4	73,415	3/4	85,909	3/4	98,402	3/4	110,895	3/4	123,067

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 1081"

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	123,290	0	133,979	0	144,668	0	155,357	0	166,984	0		0		0		0		0	
1/4	123,513	1/4	134,202	1/4	144,891	1/4	155,580	1/4	167,197	1/4		1/4		1/4		1/4		1/4	
1/2	123,735	1/2	134,424	1/2	145,114	1/2	155,803	1/2	167,409	1/2		1/2		1/2		1/2		1/2	
3/4	123,958	3/4	134,647	3/4	145,336	3/4	156,025	3/4	167,622	3/4		3/4		3/4		3/4		3/4	
1	124,181	1	134,870	1	145,559	1	156,248	1	167,835	1	1	1	1	1	1	1	1	1	1
1/4	124,404	1/4	135,093	1/4	145,782	1/4	156,471	1/4	167,965	1/4		1/4		1/4		1/4		1/4	
1/2	124,626	1/2	135,315	1/2	146,004	1/2	156,693	1/2	168,096	1/2		1/2		1/2		1/2		1/2	
3/4	124,849	3/4	135,538	3/4	146,227	3/4	156,916	3/4	168,226	3/4		3/4		3/4		3/4		3/4	
2	125,072	2	135,761	2	146,450	2	157,139	2	168,356	2	2	2	2	2	2	2	2	2	2
1/4	125,294	1/4	135,983	1/4	146,672	1/4	157,361	1/4	168,410	1/4		1/4		1/4		1/4		1/4	
1/2	125,517	1/2	136,206	1/2	146,895	1/2	157,584	1/2	168,464	1/2		1/2		1/2		1/2		1/2	
3/4	125,740	3/4	136,429	3/4	147,118	3/4	157,807	3/4	168,517	3/4		3/4		3/4		3/4		3/4	
3	125,962	3	136,651	3	147,340	3	158,029	3	168,571	3	3	3	3	3	3	3	3	3	3
1/4	126,185	1/4	136,874	1/4	147,563	1/4	158,252	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	126,408	1/2	137,097	1/2	147,786	1/2	158,475	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	126,630	3/4	137,319	3/4	148,008	3/4	158,697	3/4		3/4		3/4		3/4		3/4		3/4	
4	126,853	4	137,542	4	148,231	4	158,920	4	4	4	4	4	4	4	4	4	4	4	4
1/4	127,076	1/4	137,765	1/4	148,454	1/4	159,143	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	127,298	1/2	137,988	1/2	148,677	1/2	159,366	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	127,521	3/4	138,210	3/4	148,899	3/4	159,588	3/4		3/4		3/4		3/4		3/4		3/4	
5	127,744	5	138,433	5	149,122	5	159,811	5	5	5	5	5	5	5	5	5	5	5	5
1/4	127,967	1/4	138,656	1/4	149,345	1/4	160,048	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	128,189	1/2	138,878	1/2	149,567	1/2	160,285	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	128,412	3/4	139,101	3/4	149,790	3/4	160,522	3/4		3/4		3/4		3/4		3/4		3/4	
6	128,635	6	139,324	6	150,013	6	160,759	6	6	6	6	6	6	6	6	6	6	6	6
1/4	128,857	1/4	139,546	1/4	150,235	1/4	161,020	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	129,080	1/2	139,769	1/2	150,458	1/2	161,280	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	129,303	3/4	139,992	3/4	150,681	3/4	161,541	3/4		3/4		3/4		3/4		3/4		3/4	
7	129,525	7	140,214	7	150,903	7	161,802	7	7	7	7	7	7	7	7	7	7	7	7
1/4	129,748	1/4	140,437	1/4	151,126	1/4	162,063	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	129,971	1/2	140,660	1/2	151,349	1/2	162,324	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	130,193	3/4	140,882	3/4	151,571	3/4	162,584	3/4		3/4		3/4		3/4		3/4		3/4	
8	130,416	8	141,105	8	151,794	8	162,845	8	8	8	8	8	8	8	8	8	8	8	8
1/4	130,639	1/4	141,328	1/4	152,017	1/4	163,106	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	130,861	1/2	141,551	1/2	152,240	1/2	163,367	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	131,084	3/4	141,773	3/4	152,462	3/4	163,628	3/4		3/4		3/4		3/4		3/4		3/4	
9	131,307	9	141,996	9	152,685	9	163,888	9	9	9	9	9	9	9	9	9	9	9	9
1/4	131,530	1/4	142,219	1/4	152,908	1/4	164,149	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	131,752	1/2	142,441	1/2	153,130	1/2	164,410	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	131,975	3/4	142,664	3/4	153,353	3/4	164,670	3/4		3/4		3/4		3/4		3/4		3/4	
10	132,198	10	142,887	10	153,576	10	164,931	10	10	10	10	10	10	10	10	10	10	10	10
1/4	132,420	1/4	143,109	1/4	153,798	1/4	165,191	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	132,643	1/2	143,332	1/2	154,021	1/2	165,451	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	132,866	3/4	143,555	3/4	154,244	3/4	165,711	3/4		3/4		3/4		3/4		3/4		3/4	
11	133,088	11	143,777	11	154,466	11	165,971	11	11	11	11	11	11	11	11	11	11	11	11
1/4	133,311	1/4	144,000	1/4	154,689	1/4	166,224	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	133,534	1/2	144,223	1/2	154,912	1/2	166,478	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	133,756	3/4	144,445	3/4	155,134	3/4	166,731	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 07/29/2015 SW
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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Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "IB 1081"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	84	0	10,051	0	21,124	0	32,036	0	43,018	0	54,091	0	65,165	0	76,238	0	87,312	0	98,385
1/4	151	1/4	10,281	1/4	21,354	1/4	32,260	1/4	43,249	1/4	54,322	1/4	65,396	1/4	76,469	1/4	87,542	1/4	98,616
1/2	219	1/2	10,512	1/2	21,585	1/2	32,485	1/2	43,479	1/2	54,553	1/2	65,626	1/2	76,700	1/2	87,773	1/2	98,846
3/4	286	3/4	10,743	3/4	21,816	3/4	32,709	3/4	43,710	3/4	54,784	3/4	65,857	3/4	76,930	3/4	88,004	3/4	99,077
1	353	1	10,974	1	22,046	1	32,933	1	43,941	1	55,014	1	66,088	1	77,161	1	88,234	1	99,308
1/4	497	1/4	11,204	1/4	22,277	1/4	33,158	1/4	44,172	1/4	55,245	1/4	66,318	1/4	77,392	1/4	88,465	1/4	99,539
1/2	641	1/2	11,435	1/2	22,508	1/2	33,382	1/2	44,402	1/2	55,476	1/2	66,549	1/2	77,622	1/2	88,696	1/2	99,769
3/4	786	3/4	11,666	3/4	22,739	3/4	33,607	3/4	44,633	3/4	55,706	3/4	66,780	3/4	77,853	3/4	88,927	3/4	100,000
2	930	2	11,896	2	22,969	2	33,831	2	44,864	2	55,937	2	67,010	2	78,084	2	89,157	2	100,231
1/4	1,136	1/4	12,127	1/4	23,200	1/4	34,055	1/4	45,094	1/4	56,168	1/4	67,241	1/4	78,315	1/4	89,388	1/4	100,461
1/2	1,342	1/2	12,358	1/2	23,431	1/2	34,280	1/2	45,325	1/2	56,398	1/2	67,472	1/2	78,545	1/2	89,619	1/2	100,692
3/4	1,547	3/4	12,588	3/4	23,661	3/4	34,504	3/4	45,556	3/4	56,629	3/4	67,703	3/4	78,776	3/4	89,849	3/4	100,923
3	1,753	3	12,819	3	23,892	3	34,729	3	45,786	3	56,860	3	67,933	3	79,007	3	90,080	3	101,153
1/4	1,983	1/4	13,050	1/4	24,123	1/4	34,955	1/4	46,017	1/4	57,091	1/4	68,164	1/4	79,237	1/4	90,311	1/4	101,384
1/2	2,212	1/2	13,280	1/2	24,353	1/2	35,182	1/2	46,248	1/2	57,321	1/2	68,395	1/2	79,468	1/2	90,541	1/2	101,615
3/4	2,441	3/4	13,511	3/4	24,584	3/4	35,409	3/4	46,479	3/4	57,552	3/4	68,625	3/4	79,699	3/4	90,772	3/4	101,845
4	2,671	4	13,742	4	24,815	4	35,636	4	46,709	4	57,783	4	68,856	4	79,929	4	91,003	4	102,076
1/4	2,901	1/4	13,972	1/4	25,045	1/4	35,867	1/4	46,940	1/4	58,013	1/4	69,087	1/4	80,160	1/4	91,233	1/4	102,307
1/2	3,131	1/2	14,203	1/2	25,276	1/2	36,097	1/2	47,171	1/2	58,244	1/2	69,317	1/2	80,391	1/2	91,464	1/2	102,538
3/4	3,362	3/4	14,434	3/4	25,507	3/4	36,328	3/4	47,401	3/4	58,475	3/4	69,548	3/4	80,621	3/4	91,695	3/4	102,768
5	3,592	5	14,665	5	25,737	5	36,559	5	47,632	5	58,705	5	69,779	5	80,852	5	91,926	5	102,999
1/4	3,823	1/4	14,895	1/4	25,966	1/4	36,789	1/4	47,863	1/4	58,936	1/4	70,009	1/4	81,083	1/4	92,156	1/4	103,230
1/2	4,053	1/2	15,126	1/2	26,194	1/2	37,020	1/2	48,093	1/2	59,167	1/2	70,240	1/2	81,314	1/2	92,387	1/2	103,460
3/4	4,284	3/4	15,357	3/4	26,422	3/4	37,251	3/4	48,324	3/4	59,397	3/4	70,471	3/4	81,544	3/4	92,618	3/4	103,691
6	4,515	6	15,587	6	26,651	6	37,481	6	48,555	6	59,628	6	70,702	6	81,775	6	92,848	6	103,922
1/4	4,745	1/4	15,818	1/4	26,875	1/4	37,712	1/4	48,785	1/4	59,859	1/4	70,932	1/4	82,006	1/4	93,079	1/4	104,152
1/2	4,976	1/2	16,049	1/2	27,100	1/2	37,943	1/2	49,016	1/2	60,090	1/2	71,163	1/2	82,236	1/2	93,310	1/2	104,383
3/4	5,207	3/4	16,279	3/4	27,324	3/4	38,173	3/4	49,247	3/4	60,320	3/4	71,394	3/4	82,467	3/4	93,540	3/4	104,614
7	5,437	7	16,510	7	27,548	7	38,404	7	49,478	7	60,551	7	71,624	7	82,698	7	93,771	7	104,845
1/4	5,668	1/4	16,741	1/4	27,773	1/4	38,635	1/4	49,708	1/4	60,782	1/4	71,855	1/4	82,928	1/4	94,002	1/4	105,075
1/2	5,899	1/2	16,971	1/2	27,997	1/2	38,866	1/2	49,939	1/2	61,012	1/2	72,086	1/2	83,159	1/2	94,233	1/2	105,306
3/4	6,129	3/4	17,202	3/4	28,221	3/4	39,096	3/4	50,170	3/4	61,243	3/4	72,316	3/4	83,390	3/4	94,463	3/4	105,537
8	6,360	8	17,433	8	28,446	8	39,327	8	50,400	8	61,474	8	72,547	8	83,621	8	94,694	8	105,767
1/4	6,591	1/4	17,663	1/4	28,670	1/4	39,558	1/4	50,631	1/4	61,704	1/4	72,778	1/4	83,851	1/4	94,925	1/4	105,998
1/2	6,821	1/2	17,894	1/2	28,895	1/2	39,788	1/2	50,862	1/2	61,935	1/2	73,009	1/2	84,082	1/2	95,155	1/2	106,229
3/4	7,052	3/4	18,125	3/4	29,119	3/4	40,019	3/4	51,092	3/4	62,166	3/4	73,239	3/4	84,313	3/4	95,386	3/4	106,459
9	7,283	9	18,356	9	29,343	9	40,250	9	51,323	9	62,397	9	73,470	9	84,543	9	95,617	9	106,690
1/4	7,513	1/4	18,586	1/4	29,568	1/4	40,480	1/4	51,554	1/4	62,627	1/4	73,701	1/4	84,774	1/4	95,847	1/4	106,921
1/2	7,744	1/2	18,817	1/2	29,792	1/2	40,711	1/2	51,785	1/2	62,858	1/2	73,931	1/2	85,005	1/2	96,078	1/2	107,151
3/4	7,975	3/4	19,048	3/4	30,016	3/4	40,942	3/4	52,015	3/4	63,089	3/4	74,162	3/4	85,235	3/4	96,309	3/4	107,382
10	8,205	10	19,278	10	30,241	10	41,173	10	52,246	10	63,319	10	74,393	10	85,466	10	96,539	10	107,613
1/4	8,436	1/4	19,509	1/4	30,465	1/4	41,403	1/4	52,477	1/4	63,550	1/4	74,623	1/4	85,697	1/4	96,770	1/4	107,844
1/2	8,667	1/2	19,740	1/2	30,690	1/2	41,634	1/2	52,707	1/2	63,781	1/2	74,854	1/2	85,927	1/2	97,001	1/2	108,074
3/4	8,897	3/4	19,970	3/4	30,914	3/4	41,865	3/4	52,938	3/4	64,011	3/4	75,085	3/4	86,158	3/4	97,232	3/4	108,305
11	9,128	11	20,201	11	31,138	11	42,095	11	53,169	11	64,242	11	75,315	11	86,389	11	97,462	11	108,536
1/4	9,359	1/4	20,432	1/4	31,363	1/4	42,326	1/4	53,399	1/4	64,473	1/4	75,546	1/4	86,620	1/4	97,693	1/4	108,766
1/2	9,589	1/2	20,662	1/2	31,587	1/2	42,557	1/2	53,630	1/2	64,703	1/2	75,777	1/2	86,850	1/2	97,924	1/2	108,997
3/4	9,820	3/4	20,893	3/4	31,811	3/4	42,787	3/4	53,861	3/4	64,934	3/4	76,008	3/4	87,081	3/4	98,154	3/4	109,228

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 1081"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	109,458	0	120,532	0	131,605	0	142,679	0	153,722	0		0		0		0		0	
1/4	109,689	1/4	120,763	1/4	131,836	1/4	142,909	1/4	153,910	1/4		1/4		1/4		1/4		1/4	
1/2	109,920	1/2	120,993	1/2	132,067	1/2	143,140	1/2	154,098	1/2		1/2		1/2		1/2		1/2	
3/4	110,151	3/4	121,224	3/4	132,297	3/4	143,371	3/4	154,287	3/4		3/4		3/4		3/4		3/4	
1	110,381	1	121,455	1	132,528	1	143,601	1	154,475	1		1		1		1		1	
1/4	110,612	1/4	121,685	1/4	132,759	1/4	143,832	1/4	154,590	1/4		1/4		1/4		1/4		1/4	
1/2	110,843	1/2	121,916	1/2	132,989	1/2	144,063	1/2	154,705	1/2		1/2		1/2		1/2		1/2	
3/4	111,073	3/4	122,147	3/4	133,220	3/4	144,293	3/4	154,821	3/4		3/4		3/4		3/4		3/4	
2	111,304	2	122,377	2	133,451	2	144,524	2	154,936	2		2		2		2		2	
1/4	111,535	1/4	122,608	1/4	133,681	1/4	144,755	1/4	154,984	1/4		1/4		1/4		1/4		1/4	
1/2	111,765	1/2	122,839	1/2	133,912	1/2	144,986	1/2	155,031	1/2		1/2		1/2		1/2		1/2	
3/4	111,996	3/4	123,069	3/4	134,143	3/4	145,216	3/4	155,079	3/4		3/4		3/4		3/4		3/4	
3	112,227	3	123,300	3	134,374	3	145,447	3	155,126	3		3		3		3		3	
1/4	112,457	1/4	123,531	1/4	134,604	1/4	145,678	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,688	1/2	123,762	1/2	134,835	1/2	145,908	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,919	3/4	123,992	3/4	135,066	3/4	146,139	3/4		3/4		3/4		3/4		3/4		3/4	
4	113,150	4	124,223	4	135,296	4	146,370	4	4	4		4		4		4		4	
1/4	113,380	1/4	124,454	1/4	135,527	1/4	146,600	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,611	1/2	124,684	1/2	135,758	1/2	146,831	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,842	3/4	124,915	3/4	135,988	3/4	147,062	3/4		3/4		3/4		3/4		3/4		3/4	
5	114,072	5	125,146	5	136,219	5	147,293	5		5		5		5		5		5	
1/4	114,303	1/4	125,376	1/4	136,450	1/4	147,523	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,534	1/2	125,607	1/2	136,681	1/2	147,754	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,764	3/4	125,838	3/4	136,911	3/4	147,985	3/4		3/4		3/4		3/4		3/4		3/4	
6	114,995	6	126,069	6	137,142	6	148,215	6		6		6		6		6		6	
1/4	115,226	1/4	126,299	1/4	137,373	1/4	148,446	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,457	1/2	126,530	1/2	137,603	1/2	148,677	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,687	3/4	126,761	3/4	137,834	3/4	148,907	3/4		3/4		3/4		3/4		3/4		3/4	
7	115,918	7	126,991	7	138,065	7	149,138	7		7		7		7		7		7	
1/4	116,149	1/4	127,222	1/4	138,295	1/4	149,369	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	116,379	1/2	127,453	1/2	138,526	1/2	149,599	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116,610	3/4	127,683	3/4	138,757	3/4	149,830	3/4		3/4		3/4		3/4		3/4		3/4	
8	116,841	8	127,914	8	138,987	8	150,061	8		8		8		8		8		8	
1/4	117,071	1/4	128,145	1/4	139,218	1/4	150,292	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,302	1/2	128,375	1/2	139,449	1/2	150,522	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	117,533	3/4	128,606	3/4	139,680	3/4	150,753	3/4		3/4		3/4		3/4		3/4		3/4	
9	117,763	9	128,837	9	139,910	9	150,984	9		9		9		9		9		9	
1/4	117,994	1/4	129,068	1/4	140,141	1/4	151,214	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,225	1/2	129,298	1/2	140,372	1/2	151,445	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,456	3/4	129,529	3/4	140,602	3/4	151,675	3/4		3/4		3/4		3/4		3/4		3/4	
10	118,686	10	129,760	10	140,833	10	151,906	10		10		10		10		10		10	
1/4	118,917	1/4	129,990	1/4	141,064	1/4	152,136	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,148	1/2	130,221	1/2	141,294	1/2	152,366	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,378	3/4	130,452	3/4	141,525	3/4	152,596	3/4		3/4		3/4		3/4		3/4		3/4	
11	119,609	11	130,682	11	141,756	11	152,826	11		11		11		11		11		11	
1/4	119,840	1/4	130,913	1/4	141,987	1/4	153,050	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,070	1/2	131,144	1/2	142,217	1/2	153,274	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,301	3/4	131,375	3/4	142,448	3/4	153,498	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 07/29/2015 SW
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
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BARGE "IB 1081"

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	83	0	9,951	0	20,914	0	31,866	0	42,824	0	53,787	0	64,751	0	75,714	0	86,678	0	97,642
1/4	150	1/4	10,180	1/4	21,143	1/4	32,094	1/4	43,052	1/4	54,016	1/4	64,979	1/4	75,943	1/4	86,906	1/4	97,870
1/2	217	1/2	10,408	1/2	21,371	1/2	32,322	1/2	43,281	1/2	54,244	1/2	65,208	1/2	76,171	1/2	87,135	1/2	98,098
3/4	283	3/4	10,636	3/4	21,600	3/4	32,550	3/4	43,509	3/4	54,473	3/4	65,436	3/4	76,400	3/4	87,363	3/4	98,327
1	350	1	10,865	1	21,828	1	32,778	1	43,737	1	54,701	1	65,665	1	76,628	1	87,592	1	98,555
1/4	492	1/4	11,093	1/4	22,056	1/4	33,006	1/4	43,966	1/4	54,929	1/4	65,893	1/4	76,857	1/4	87,820	1/4	98,784
1/2	635	1/2	11,322	1/2	22,285	1/2	33,234	1/2	44,194	1/2	55,158	1/2	66,121	1/2	77,085	1/2	88,049	1/2	99,012
3/4	778	3/4	11,550	3/4	22,513	3/4	33,462	3/4	44,423	3/4	55,386	3/4	66,350	3/4	77,313	3/4	88,277	3/4	99,240
2	921	2	11,778	2	22,742	2	33,690	2	44,651	2	55,615	2	66,578	2	77,542	2	88,505	2	99,469
1/4	1,124	1/4	12,007	1/4	22,970	1/4	33,918	1/4	44,879	1/4	55,843	1/4	66,807	1/4	77,770	1/4	88,734	1/4	99,697
1/2	1,328	1/2	12,235	1/2	23,198	1/2	34,146	1/2	45,108	1/2	56,071	1/2	67,035	1/2	77,999	1/2	88,962	1/2	99,926
3/4	1,532	3/4	12,464	3/4	23,427	3/4	34,374	3/4	45,336	3/4	56,300	3/4	67,263	3/4	78,227	3/4	89,191	3/4	100,154
3	1,736	3	12,692	3	23,655	3	34,602	3	45,565	3	56,528	3	67,492	3	78,455	3	89,419	3	100,383
1/4	1,963	1/4	12,920	1/4	23,884	1/4	34,830	1/4	45,793	1/4	56,757	1/4	67,720	1/4	78,684	1/4	89,647	1/4	100,611
1/2	2,190	1/2	13,149	1/2	24,112	1/2	35,058	1/2	46,021	1/2	56,985	1/2	67,949	1/2	78,912	1/2	89,876	1/2	100,839
3/4	2,417	3/4	13,377	3/4	24,340	3/4	35,287	3/4	46,250	3/4	57,213	3/4	68,177	3/4	79,141	3/4	90,104	3/4	101,068
4	2,644	4	13,606	4	24,569	4	35,515	4	46,478	4	57,442	4	68,405	4	79,369	4	90,333	4	101,296
1/4	2,872	1/4	13,834	1/4	24,797	1/4	35,743	1/4	46,707	1/4	57,670	1/4	68,634	1/4	79,597	1/4	90,561	1/4	101,525
1/2	3,100	1/2	14,062	1/2	25,026	1/2	35,971	1/2	46,935	1/2	57,899	1/2	68,862	1/2	79,826	1/2	90,789	1/2	101,753
3/4	3,328	3/4	14,291	3/4	25,254	3/4	36,200	3/4	47,163	3/4	58,127	3/4	69,091	3/4	80,054	3/4	91,018	3/4	101,981
5	3,556	5	14,519	5	25,482	5	36,428	5	47,392	5	58,355	5	69,319	5	80,283	5	91,246	5	102,210
1/4	3,785	1/4	14,748	1/4	25,711	1/4	36,657	1/4	47,620	1/4	58,584	1/4	69,547	1/4	80,511	1/4	91,475	1/4	102,438
1/2	4,013	1/2	14,976	1/2	25,939	1/2	36,885	1/2	47,849	1/2	58,812	1/2	69,776	1/2	80,739	1/2	91,703	1/2	102,667
3/4	4,242	3/4	15,204	3/4	26,167	3/4	37,114	3/4	48,077	3/4	59,041	3/4	70,004	3/4	80,968	3/4	91,931	3/4	102,895
6	4,470	6	15,433	6	26,395	6	37,342	6	48,306	6	59,269	6	70,233	6	81,196	6	92,160	6	103,123
1/4	4,698	1/4	15,661	1/4	26,623	1/4	37,570	1/4	48,534	1/4	59,498	1/4	70,461	1/4	81,425	1/4	92,388	1/4	103,352
1/2	4,927	1/2	15,890	1/2	26,851	1/2	37,799	1/2	48,762	1/2	59,726	1/2	70,689	1/2	81,653	1/2	92,617	1/2	103,580
3/4	5,155	3/4	16,118	3/4	27,079	3/4	38,027	3/4	48,991	3/4	59,954	3/4	70,918	3/4	81,881	3/4	92,845	3/4	103,809
7	5,383	7	16,346	7	27,307	7	38,256	7	49,219	7	60,183	7	71,146	7	82,110	7	93,073	7	104,037
1/4	5,612	1/4	16,575	1/4	27,535	1/4	38,484	1/4	49,448	1/4	60,411	1/4	71,375	1/4	82,338	1/4	93,302	1/4	104,265
1/2	5,840	1/2	16,803	1/2	27,763	1/2	38,712	1/2	49,676	1/2	60,640	1/2	71,603	1/2	82,567	1/2	93,530	1/2	104,494
3/4	6,069	3/4	17,032	3/4	27,991	3/4	38,941	3/4	49,904	3/4	60,868	3/4	71,832	3/4	82,795	3/4	93,759	3/4	104,722
8	6,297	8	17,260	8	28,219	8	39,169	8	50,133	8	61,096	8	72,060	8	83,024	8	93,987	8	104,951
1/4	6,525	1/4	17,488	1/4	28,447	1/4	39,398	1/4	50,361	1/4	61,325	1/4	72,288	1/4	83,252	1/4	94,216	1/4	105,179
1/2	6,754	1/2	17,717	1/2	28,675	1/2	39,626	1/2	50,590	1/2	61,553	1/2	72,517	1/2	83,480	1/2	94,444	1/2	105,408
3/4	6,982	3/4	17,945	3/4	28,903	3/4	39,854	3/4	50,818	3/4	61,782	3/4	72,745	3/4	83,709	3/4	94,672	3/4	105,636
9	7,211	9	18,174	9	29,131	9	40,083	9	51,046	9	62,010	9	72,974	9	83,937	9	94,901	9	105,864
1/4	7,439	1/4	18,402	1/4	29,359	1/4	40,311	1/4	51,275	1/4	62,238	1/4	73,202	1/4	84,166	1/4	95,129	1/4	106,093
1/2	7,667	1/2	18,630	1/2	29,587	1/2	40,540	1/2	51,503	1/2	62,467	1/2	73,430	1/2	84,394	1/2	95,358	1/2	106,321
3/4	7,896	3/4	18,859	3/4	29,815	3/4	40,768	3/4	51,732	3/4	62,695	3/4	73,659	3/4	84,622	3/4	95,586	3/4	106,550
10	8,124	10	19,087	10	30,043	10	40,996	10	51,960	10	62,924	10	73,887	10	84,851	10	95,814	10	106,778
1/4	8,352	1/4	19,316	1/4	30,271	1/4	41,225	1/4	52,188	1/4	63,152	1/4	74,116	1/4	85,079	1/4	96,043	1/4	107,006
1/2	8,581	1/2	19,544	1/2	30,499	1/2	41,453	1/2	52,417	1/2	63,380	1/2	74,344	1/2	85,308	1/2	96,271	1/2	107,235
3/4	8,809	3/4	19,772	3/4	30,726	3/4	41,682	3/4	52,645	3/4	63,609	3/4	74,572	3/4	85,536	3/4	96,500	3/4	107,463
11	9,038	11	20,001	11	30,954	11	41,910	11	52,874	11	63,837	11	74,801	11	85,764	11	96,728	11	107,692
1/4	9,266	1/4	20,229	1/4	31,182	1/4	42,139	1/4	53,102	1/4	64,066	1/4	75,029	1/4	85,993	1/4	96,956	1/4	107,920
1/2	9,494	1/2	20,458	1/2	31,410	1/2	42,367	1/2	53,330	1/2	64,294	1/2	75,258	1/2	86,221	1/2	97,185	1/2	108,148
3/4	9,723	3/4	20,686	3/4	31,638	3/4	42,595	3/4	53,559	3/4	64,522	3/4	75,486	3/4	86,450	3/4	97,413	3/4	108,377

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 1081"

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	108,605	0	119,569	0	130,532	0	141,496	0	152,430	0		0		0		0		0	
1/4	108,834	1/4	119,797	1/4	130,761	1/4	141,724	1/4	152,616	1/4		1/4		1/4		1/4		1/4	
1/2	109,062	1/2	120,026	1/2	130,989	1/2	141,953	1/2	152,802	1/2		1/2		1/2		1/2		1/2	
3/4	109,290	3/4	120,254	3/4	131,218	3/4	142,181	3/4	152,989	3/4		3/4		3/4		3/4		3/4	
1	109,519	1	120,482	1	131,446	1	142,410	1	153,175	1	1	1		1		1		1	
1/4	109,747	1/4	120,711	1/4	131,674	1/4	142,638	1/4	153,289	1/4		1/4		1/4		1/4		1/4	
1/2	109,976	1/2	120,939	1/2	131,903	1/2	142,866	1/2	153,404	1/2		1/2		1/2		1/2		1/2	
3/4	110,204	3/4	121,168	3/4	132,131	3/4	143,095	3/4	153,518	3/4		3/4		3/4		3/4		3/4	
2	110,432	2	121,396	2	132,360	2	143,323	2	153,632	2	2	2		2		2		2	
1/4	110,661	1/4	121,624	1/4	132,588	1/4	143,552	1/4	153,679	1/4		1/4		1/4		1/4		1/4	
1/2	110,889	1/2	121,853	1/2	132,816	1/2	143,780	1/2	153,726	1/2		1/2		1/2		1/2		1/2	
3/4	111,118	3/4	122,081	3/4	133,045	3/4	144,008	3/4	153,773	3/4		3/4		3/4		3/4		3/4	
3	111,346	3	122,310	3	133,273	3	144,237	3	153,820	3	3	3		3		3		3	
1/4	111,575	1/4	122,538	1/4	133,502	1/4	144,465	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	111,803	1/2	122,767	1/2	133,730	1/2	144,694	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,031	3/4	122,995	3/4	133,958	3/4	144,922	3/4		3/4		3/4		3/4		3/4		3/4	
4	112,260	4	123,223	4	134,187	4	145,150	4	4	4		4		4		4		4	
1/4	112,488	1/4	123,452	1/4	134,415	1/4	145,379	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	112,717	1/2	123,680	1/2	134,644	1/2	145,607	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	112,945	3/4	123,909	3/4	134,872	3/4	145,836	3/4		3/4		3/4		3/4		3/4		3/4	
5	113,173	5	124,137	5	135,101	5	146,064	5	5	5		5		5		5		5	
1/4	113,402	1/4	124,365	1/4	135,329	1/4	146,293	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	113,630	1/2	124,594	1/2	135,557	1/2	146,521	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	113,859	3/4	124,822	3/4	135,786	3/4	146,749	3/4		3/4		3/4		3/4		3/4		3/4	
6	114,087	6	125,051	6	136,014	6	146,978	6	6	6		6		6		6		6	
1/4	114,315	1/4	125,279	1/4	136,243	1/4	147,206	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	114,544	1/2	125,507	1/2	136,471	1/2	147,435	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	114,772	3/4	125,736	3/4	136,699	3/4	147,663	3/4		3/4		3/4		3/4		3/4		3/4	
7	115,001	7	125,964	7	136,928	7	147,891	7	7	7		7		7		7		7	
1/4	115,229	1/4	126,193	1/4	137,156	1/4	148,120	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	115,457	1/2	126,421	1/2	137,385	1/2	148,348	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,686	3/4	126,649	3/4	137,613	3/4	148,577	3/4		3/4		3/4		3/4		3/4		3/4	
8	115,914	8	126,878	8	137,841	8	148,805	8	8	8		8		8		8		8	
1/4	116,143	1/4	127,106	1/4	138,070	1/4	149,033	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	116,371	1/2	127,335	1/2	138,298	1/2	149,262	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	116,599	3/4	127,563	3/4	138,527	3/4	149,490	3/4		3/4		3/4		3/4		3/4		3/4	
9	116,828	9	127,791	9	138,755	9	149,719	9	9	9		9		9		9		9	
1/4	117,056	1/4	128,020	1/4	138,983	1/4	149,947	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,285	1/2	128,248	1/2	139,212	1/2	150,175	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	117,513	3/4	128,477	3/4	139,440	3/4	150,404	3/4		3/4		3/4		3/4		3/4		3/4	
10	117,742	10	128,705	10	139,669	10	150,632	10	10	10		10		10		10		10	
1/4	117,970	1/4	128,934	1/4	139,897	1/4	150,860	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,198	1/2	129,162	1/2	140,126	1/2	151,087	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,427	3/4	129,390	3/4	140,354	3/4	151,315	3/4		3/4		3/4		3/4		3/4		3/4	
11	118,655	11	129,619	11	140,582	11	151,543	11	11	11		11		11		11		11	
1/4	118,884	1/4	129,847	1/4	140,811	1/4	151,765	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,112	1/2	130,076	1/2	141,039	1/2	151,986	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,340	3/4	130,304	3/4	141,268	3/4	152,208	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 07/29/2015 SW
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PRINTED: 07/30/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2015

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