



BARGE "IB 1964"

ULLAGE 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	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2	00-5/8	- 00-5/8
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-5/8	- 00-5/8

(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 - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 182'-09"

February 27, 2016

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

<http://www.pmacorp.net>



BARGE "IB 1964"

1 CENTER ULLAGE 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		0		0	146,321	0	138,547	0	130,772	0	121,403	0	109,392	0	97,390	0	85,389	0	73,387
1/4		1/4	152,861	1/4	146,159	1/4	138,385	1/4	130,610	1/4	121,153	1/4	109,142	1/4	97,140	1/4	85,139	1/4	73,137
1/2		1/2	152,851	1/2	145,997	1/2	138,223	1/2	130,448	1/2	120,902	1/2	108,892	1/2	96,890	1/2	84,889	1/2	72,887
3/4		3/4	152,788	3/4	145,835	3/4	138,061	3/4	130,286	3/4	120,652	3/4	108,642	3/4	96,640	3/4	84,639	3/4	72,637
1		1	152,726	1	145,673	1	137,899	1	130,124	1	120,401	1	108,392	1	96,390	1	84,389	1	72,387
1/4		1/4	152,663	1/4	145,511	1/4	137,737	1/4	129,962	1/4	120,151	1/4	108,142	1/4	96,140	1/4	84,139	1/4	72,137
1/2		1/2	152,600	1/2	145,349	1/2	137,575	1/2	129,800	1/2	119,900	1/2	107,892	1/2	95,890	1/2	83,889	1/2	71,887
3/4		3/4	152,543	3/4	145,187	3/4	137,413	3/4	129,638	3/4	119,649	3/4	107,642	3/4	95,640	3/4	83,639	3/4	71,637
2		2	152,485	2	145,025	2	137,251	2	129,476	2	119,399	2	107,392	2	95,390	2	83,389	2	71,387
1/4		1/4	152,428	1/4	144,863	1/4	137,089	1/4	129,314	1/4	119,148	1/4	107,142	1/4	95,140	1/4	83,139	1/4	71,137
1/2		1/2	152,370	1/2	144,701	1/2	136,927	1/2	129,152	1/2	118,898	1/2	106,892	1/2	94,890	1/2	82,889	1/2	70,887
3/4		3/4	152,333	3/4	144,539	3/4	136,765	3/4	128,990	3/4	118,647	3/4	106,642	3/4	94,640	3/4	82,639	3/4	70,637
3		3	152,095	3	144,378	3	136,603	3	128,828	3	118,397	3	106,392	3	94,390	3	82,389	3	70,387
1/4		1/4	151,957	1/4	144,216	1/4	136,441	1/4	128,666	1/4	118,146	1/4	106,142	1/4	94,140	1/4	82,139	1/4	70,137
1/2		1/2	151,820	1/2	144,054	1/2	136,279	1/2	128,504	1/2	117,896	1/2	105,892	1/2	93,890	1/2	81,888	1/2	69,886
3/4		3/4	151,659	3/4	143,892	3/4	136,117	3/4	128,343	3/4	117,645	3/4	105,642	3/4	93,640	3/4	81,638	3/4	69,636
4		4	151,499	4	143,730	4	135,955	4	128,181	4	117,395	4	105,392	4	93,390	4	81,388	4	69,386
1/4		1/4	151,339	1/4	143,568	1/4	135,793	1/4	128,019	1/4	117,144	1/4	105,142	1/4	93,140	1/4	81,138	1/4	69,136
1/2		1/2	151,178	1/2	143,406	1/2	135,631	1/2	127,857	1/2	116,894	1/2	104,892	1/2	92,890	1/2	80,888	1/2	68,886
3/4		3/4	151,017	3/4	143,244	3/4	135,469	3/4	127,695	3/4	116,644	3/4	104,641	3/4	92,640	3/4	80,638	3/4	68,636
5		5	150,855	5	143,082	5	135,307	5	127,533	5	116,393	5	104,391	5	92,390	5	80,388	5	68,386
1/4		1/4	150,694	1/4	142,920	1/4	135,145	1/4	127,371	1/4	116,143	1/4	104,141	1/4	92,140	1/4	80,138	1/4	68,136
1/2		1/2	150,532	1/2	142,758	1/2	134,983	1/2	127,209	1/2	115,893	1/2	103,891	1/2	91,890	1/2	79,888	1/2	67,886
3/4		3/4	150,370	3/4	142,596	3/4	134,821	3/4	127,047	3/4	115,643	3/4	103,641	3/4	91,640	3/4	79,638	3/4	67,637
6		6	150,208	6	142,434	6	134,659	6	126,885	6	115,393	6	103,391	6	91,390	6	79,388	6	67,387
1/4		1/4	150,046	1/4	142,272	1/4	134,497	1/4	126,723	1/4	115,143	1/4	103,141	1/4	91,140	1/4	79,138	1/4	67,138
1/2		1/2	149,884	1/2	142,110	1/2	134,335	1/2	126,561	1/2	114,893	1/2	102,891	1/2	90,890	1/2	78,888	1/2	66,888
3/4		3/4	149,723	3/4	141,948	3/4	134,173	3/4	126,399	3/4	114,643	3/4	102,641	3/4	90,640	3/4	78,638	3/4	66,639
7		7	149,561	7	141,786	7	134,011	7	126,237	7	114,393	7	102,391	7	90,390	7	78,388	7	66,389
1/4		1/4	149,399	1/4	141,624	1/4	133,849	1/4	126,075	1/4	114,143	1/4	102,141	1/4	90,140	1/4	78,138	1/4	66,140
1/2		1/2	149,237	1/2	141,462	1/2	133,688	1/2	125,913	1/2	113,893	1/2	101,891	1/2	89,890	1/2	77,888	1/2	65,891
3/4		3/4	149,075	3/4	141,300	3/4	133,526	3/4	125,662	3/4	113,643	3/4	101,641	3/4	89,640	3/4	77,638	3/4	65,641
8		8	148,913	8	141,138	8	133,364	8	125,412	8	113,393	8	101,391	8	89,390	8	77,388	8	65,392
1/4		1/4	148,751	1/4	140,976	1/4	133,202	1/4	125,161	1/4	113,143	1/4	101,141	1/4	89,140	1/4	77,138	1/4	65,142
1/2		1/2	148,589	1/2	140,814	1/2	133,040	1/2	124,911	1/2	112,893	1/2	100,891	1/2	88,890	1/2	76,888	1/2	64,893
3/4		3/4	148,427	3/4	140,652	3/4	132,878	3/4	124,660	3/4	112,643	3/4	100,641	3/4	88,640	3/4	76,638	3/4	64,643
9		9	148,265	9	140,490	9	132,716	9	124,410	9	112,393	9	100,391	9	88,390	9	76,388	9	64,394
1/4		1/4	148,103	1/4	140,328	1/4	132,554	1/4	124,159	1/4	112,143	1/4	100,141	1/4	88,140	1/4	76,138	1/4	64,144
1/2		1/2	147,941	1/2	140,166	1/2	132,392	1/2	123,909	1/2	111,893	1/2	99,891	1/2	87,890	1/2	75,888	1/2	63,895
3/4		3/4	147,779	3/4	140,004	3/4	132,230	3/4	123,658	3/4	111,643	3/4	99,641	3/4	87,639	3/4	75,637	3/4	63,646
10		10	147,617	10	139,842	10	132,068	10	123,408	10	111,393	10	99,391	10	87,389	10	75,387	10	63,396
1/4		1/4	147,455	1/4	139,680	1/4	131,906	1/4	123,157	1/4	111,143	1/4	99,141	1/4	87,139	1/4	75,137	1/4	63,147
1/2		1/2	147,293	1/2	139,518	1/2	131,744	1/2	122,906	1/2	110,893	1/2	98,890	1/2	86,889	1/2	74,887	1/2	62,897
3/4		3/4	147,131	3/4	139,356	3/4	131,582	3/4	122,656	3/4	110,642	3/4	98,640	3/4	86,639	3/4	74,637	3/4	62,648
11		11	146,969	11	139,194	11	131,420	11	122,405	11	110,392	11	98,390	11	86,389	11	74,387	11	62,398
1/4		1/4	146,807	1/4	139,033	1/4	131,258	1/4	122,155	1/4	110,142	1/4	98,140	1/4	86,139	1/4	74,137	1/4	62,149
1/2		1/2	146,645	1/2	138,871	1/2	131,096	1/2	121,904	1/2	109,892	1/2	97,890	1/2	85,889	1/2	73,887	1/2	61,900
3/4		3/4	146,483	3/4	138,709	3/4	130,934	3/4	121,654	3/4	109,642	3/4	97,640	3/4	85,639	3/4	73,637	3/4	61,650

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 ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 32'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "IB 1964"

1 CENTER ULLAGE 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	61,401	0	49,411	0	37,429	0	25,680	0	13,677	0	1,693	0		0		0		0	
1/4	61,151	1/4	49,161	1/4	37,185	1/4	25,429	1/4	13,427	1/4	1,456	1/4		1/4		1/4		1/4	
1/2	60,902	1/2	48,912	1/2	36,942	1/2	25,179	1/2	13,177	1/2	1,219	1/2		1/2		1/2		1/2	
3/4	60,652	3/4	48,662	3/4	36,698	3/4	24,929	3/4	12,927	3/4	1,054	3/4		3/4		3/4		3/4	
1	60,403	1	48,412	1	36,455	1	24,679	1	12,677	1	890	1		1		1		1	
1/4	60,153	1/4	48,162	1/4	36,212	1/4	24,429	1/4	12,427	1/4	726	1/4		1/4		1/4		1/4	
1/2	59,904	1/2	47,912	1/2	35,968	1/2	24,179	1/2	12,177	1/2	561	1/2		1/2		1/2		1/2	
3/4	59,655	3/4	47,662	3/4	35,725	3/4	23,929	3/4	11,927	3/4	469	3/4		3/4		3/4		3/4	
2	59,405	2	47,412	2	35,481	2	23,679	2	11,677	2	377	2		2		2		2	
1/4	59,156	1/4	47,162	1/4	35,238	1/4	23,429	1/4	11,427	1/4	285	1/4		1/4		1/4		1/4	
1/2	58,906	1/2	46,912	1/2	34,995	1/2	23,179	1/2	11,176	1/2	193	1/2		1/2		1/2		1/2	
3/4	58,657	3/4	46,662	3/4	34,751	3/4	22,929	3/4	10,926	3/4	152	3/4		3/4		3/4		3/4	
3	58,407	3	46,412	3	34,508	3	22,679	3	10,676	3	110	3		3		3		3	
1/4	58,158	1/4	46,163	1/4	34,264	1/4	22,429	1/4	10,426	1/4	68	1/4		1/4		1/4		1/4	
1/2	57,908	1/2	45,913	1/2	34,021	1/2	22,179	1/2	10,176	1/2	26	1/2		1/2		1/2		1/2	
3/4	57,659	3/4	45,663	3/4	33,778	3/4	21,929	3/4	9,926	3/4		3/4		3/4		3/4		3/4	
4	57,409	4	45,413	4	33,534	4	21,679	4	9,676	4		4		4		4		4	
1/4	57,159	1/4	45,163	1/4	33,291	1/4	21,429	1/4	9,426	1/4		1/4		1/4		1/4		1/4	
1/2	56,909	1/2	44,913	1/2	33,048	1/2	21,179	1/2	9,176	1/2		1/2		1/2		1/2		1/2	
3/4	56,659	3/4	44,663	3/4	32,804	3/4	20,929	3/4	8,926	3/4		3/4		3/4		3/4		3/4	
5	56,409	5	44,413	5	32,561	5	20,679	5	8,675	5		5		5		5		5	
1/4	56,159	1/4	44,163	1/4	32,317	1/4	20,428	1/4	8,425	1/4		1/4		1/4		1/4		1/4	
1/2	55,909	1/2	43,913	1/2	32,074	1/2	20,178	1/2	8,175	1/2		1/2		1/2		1/2		1/2	
3/4	55,659	3/4	43,663	3/4	31,831	3/4	19,928	3/4	7,924	3/4		3/4		3/4		3/4		3/4	
6	55,409	6	43,413	6	31,587	6	19,678	6	7,674	6		6		6		6		6	
1/4	55,159	1/4	43,164	1/4	31,344	1/4	19,428	1/4	7,424	1/4		1/4		1/4		1/4		1/4	
1/2	54,909	1/2	42,914	1/2	31,101	1/2	19,178	1/2	7,173	1/2		1/2		1/2		1/2		1/2	
3/4	54,660	3/4	42,664	3/4	30,857	3/4	18,928	3/4	6,923	3/4		3/4		3/4		3/4		3/4	
7	54,410	7	42,414	7	30,614	7	18,678	7	6,673	7		7		7		7		7	
1/4	54,160	1/4	42,164	1/4	30,370	1/4	18,428	1/4	6,423	1/4		1/4		1/4		1/4		1/4	
1/2	53,910	1/2	41,914	1/2	30,127	1/2	18,178	1/2	6,173	1/2		1/2		1/2		1/2		1/2	
3/4	53,660	3/4	41,664	3/4	29,884	3/4	17,928	3/4	5,923	3/4		3/4		3/4		3/4		3/4	
8	53,410	8	41,414	8	29,640	8	17,678	8	5,672	8		8		8		8		8	
1/4	53,160	1/4	41,164	1/4	29,397	1/4	17,428	1/4	5,422	1/4		1/4		1/4		1/4		1/4	
1/2	52,910	1/2	40,914	1/2	29,154	1/2	17,178	1/2	5,172	1/2		1/2		1/2		1/2		1/2	
3/4	52,660	3/4	40,664	3/4	28,910	3/4	16,928	3/4	4,921	3/4		3/4		3/4		3/4		3/4	
9	52,410	9	40,415	9	28,667	9	16,678	9	4,670	9		9		9		9		9	
1/4	52,160	1/4	40,165	1/4	28,423	1/4	16,428	1/4	4,420	1/4		1/4		1/4		1/4		1/4	
1/2	51,911	1/2	39,915	1/2	28,180	1/2	16,178	1/2	4,169	1/2		1/2		1/2		1/2		1/2	
3/4	51,661	3/4	39,665	3/4	27,930	3/4	15,928	3/4	3,919	3/4		3/4		3/4		3/4		3/4	
10	51,411	10	39,415	10	27,680	10	15,677	10	3,668	10		10		10		10		10	
1/4	51,161	1/4	39,165	1/4	27,430	1/4	15,427	1/4	3,418	1/4		1/4		1/4		1/4		1/4	
1/2	50,911	1/2	38,915	1/2	27,180	1/2	15,177	1/2	3,167	1/2		1/2		1/2		1/2		1/2	
3/4	50,661	3/4	38,665	3/4	26,930	3/4	14,927	3/4	2,917	3/4		3/4		3/4		3/4		3/4	
11	50,411	11	38,415	11	26,680	11	14,677	11	2,668	11		11		11		11		11	
1/4	50,161	1/4	38,165	1/4	26,430	1/4	14,427	1/4	2,418	1/4		1/4		1/4		1/4		1/4	
1/2	49,911	1/2	37,915	1/2	26,180	1/2	14,177	1/2	2,168	1/2		1/2		1/2		1/2		1/2	
3/4	49,661	3/4	37,672	3/4	25,930	3/4	13,927	3/4	1,930	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/26/2016 CL
CALCULATED: 02/27/2016 CL
PRINTED: 02/27/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "IB 1964"

2 CENTER ULLAGE 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	0	0	151,755	0	140,209	0	128,663	0	117,117	0	105,571	0	94,024	0	82,478	0	70,932		
1/4	1/4	161,606	1/4	151,515	1/4	139,968	1/4	128,422	1/4	116,876	1/4	105,330	1/4	93,784	1/4	82,238	1/4	70,692	
1/2	1/2	161,596	1/2	151,274	1/2	139,728	1/2	128,182	1/2	116,636	1/2	105,089	1/2	93,543	1/2	81,997	1/2	70,451	
3/4	3/4	161,536	3/4	151,033	3/4	139,487	3/4	127,941	3/4	116,395	3/4	104,849	3/4	93,303	3/4	81,757	3/4	70,211	
1	1	161,476	1	150,793	1	139,247	1	127,701	1	116,155	1	104,608	1	93,062	1	81,516	1	69,970	
1/4	1/4	161,416	1/4	150,552	1/4	139,006	1/4	127,460	1/4	115,914	1/4	104,368	1/4	92,822	1/4	81,276	1/4	69,729	
1/2	1/2	161,355	1/2	150,312	1/2	138,766	1/2	127,220	1/2	115,673	1/2	104,127	1/2	92,581	1/2	81,035	1/2	69,489	
3/4	3/4	161,215	3/4	150,071	3/4	138,525	3/4	126,979	3/4	115,433	3/4	103,887	3/4	92,341	3/4	80,795	3/4	69,248	
2	2	161,075	2	149,831	2	138,285	2	126,738	2	115,192	2	103,646	2	92,100	2	80,554	2	69,008	
1/4	1/4	160,934	1/4	149,590	1/4	138,044	1/4	126,498	1/4	114,952	1/4	103,406	1/4	91,860	1/4	80,313	1/4	68,767	
1/2	1/2	160,794	1/2	149,350	1/2	137,803	1/2	126,257	1/2	114,711	1/2	103,165	1/2	91,619	1/2	80,073	1/2	68,527	
3/4	3/4	160,577	3/4	149,109	3/4	137,563	3/4	126,017	3/4	114,471	3/4	102,925	3/4	91,378	3/4	79,832	3/4	68,286	
3	3	160,360	3	148,869	3	137,322	3	125,776	3	114,230	3	102,684	3	91,138	3	79,592	3	68,046	
1/4	1/4	160,143	1/4	148,628	1/4	137,082	1/4	125,536	1/4	113,990	1/4	102,443	1/4	90,897	1/4	79,351	1/4	67,805	
1/2	1/2	159,926	1/2	148,387	1/2	136,841	1/2	125,295	1/2	113,749	1/2	102,203	1/2	90,657	1/2	79,111	1/2	67,565	
3/4	3/4	159,687	3/4	148,147	3/4	136,601	3/4	125,055	3/4	113,509	3/4	101,962	3/4	90,416	3/4	78,870	3/4	67,324	
4	4	159,448	4	147,906	4	136,360	4	124,814	4	113,268	4	101,722	4	90,176	4	78,630	4	67,083	
1/4	1/4	159,209	1/4	147,666	1/4	136,120	1/4	124,574	1/4	113,027	1/4	101,481	1/4	89,935	1/4	78,389	1/4	66,843	
1/2	1/2	158,970	1/2	147,425	1/2	135,879	1/2	124,333	1/2	112,787	1/2	101,241	1/2	89,695	1/2	78,149	1/2	66,602	
3/4	3/4	158,729	3/4	147,185	3/4	135,639	3/4	124,092	3/4	112,546	3/4	101,000	3/4	89,454	3/4	77,908	3/4	66,362	
5	5	158,489	5	146,944	5	135,398	5	123,852	5	112,306	5	100,760	5	89,214	5	77,667	5	66,121	
1/4	1/4	158,249	1/4	146,704	1/4	135,157	1/4	123,611	1/4	112,065	1/4	100,519	1/4	88,973	1/4	77,427	1/4	65,881	
1/2	1/2	158,009	1/2	146,463	1/2	134,917	1/2	123,371	1/2	111,825	1/2	100,279	1/2	88,732	1/2	77,186	1/2	65,640	
3/4	3/4	157,769	3/4	146,223	3/4	134,676	3/4	123,130	3/4	111,584	3/4	100,038	3/4	88,492	3/4	76,946	3/4	65,400	
6	6	157,528	6	145,982	6	134,436	6	122,890	6	111,344	6	99,797	6	88,251	6	76,705	6	65,159	
1/4	1/4	157,288	1/4	145,741	1/4	134,195	1/4	122,649	1/4	111,103	1/4	99,557	1/4	88,011	1/4	76,465	1/4	64,919	
1/2	1/2	157,047	1/2	145,501	1/2	133,955	1/2	122,409	1/2	110,863	1/2	99,316	1/2	87,770	1/2	76,224	1/2	64,678	
3/4	3/4	156,806	3/4	145,260	3/4	133,714	3/4	122,168	3/4	110,622	3/4	99,076	3/4	87,530	3/4	75,984	3/4	64,438	
7	7	156,566	7	145,020	7	133,474	7	121,928	7	110,381	7	98,835	7	87,289	7	75,743	7	64,197	
1/4	1/4	156,325	1/4	144,779	1/4	133,233	1/4	121,687	1/4	110,141	1/4	98,595	1/4	87,049	1/4	75,503	1/4	63,956	
1/2	1/2	156,085	1/2	144,539	1/2	132,993	1/2	121,446	1/2	109,900	1/2	98,354	1/2	86,808	1/2	75,262	1/2	63,716	
3/4	3/4	155,844	3/4	144,298	3/4	132,752	3/4	121,206	3/4	109,660	3/4	98,114	3/4	86,568	3/4	75,021	3/4	63,475	
8	8	155,604	8	144,058	8	132,512	8	120,965	8	109,419	8	97,873	8	86,327	8	74,781	8	63,235	
1/4	1/4	155,363	1/4	143,817	1/4	132,271	1/4	120,725	1/4	109,179	1/4	97,633	1/4	86,086	1/4	74,540	1/4	62,994	
1/2	1/2	155,123	1/2	143,577	1/2	132,030	1/2	120,484	1/2	108,938	1/2	97,392	1/2	85,846	1/2	74,300	1/2	62,754	
3/4	3/4	154,882	3/4	143,336	3/4	131,790	3/4	120,244	3/4	108,698	3/4	97,152	3/4	85,605	3/4	74,059	3/4	62,513	
9	9	154,642	9	143,095	9	131,549	9	120,003	9	108,457	9	96,911	9	85,365	9	73,819	9	62,273	
1/4	1/4	154,401	1/4	142,855	1/4	131,309	1/4	119,763	1/4	108,217	1/4	96,670	1/4	85,124	1/4	73,578	1/4	62,032	
1/2	1/2	154,160	1/2	142,614	1/2	131,068	1/2	119,522	1/2	107,976	1/2	96,430	1/2	84,884	1/2	73,338	1/2	61,792	
3/4	3/4	153,920	3/4	142,374	3/4	130,828	3/4	119,282	3/4	107,735	3/4	96,189	3/4	84,643	3/4	73,097	3/4	61,551	
10	10	153,679	10	142,133	10	130,587	10	119,041	10	107,495	10	95,949	10	84,403	10	72,857	10	61,310	
1/4	1/4	153,439	1/4	141,893	1/4	130,347	1/4	118,800	1/4	107,254	1/4	95,708	1/4	84,162	1/4	72,616	1/4	61,070	
1/2	1/2	153,198	1/2	141,652	1/2	130,106	1/2	118,560	1/2	107,014	1/2	95,468	1/2	83,922	1/2	72,375	1/2	60,829	
3/4	3/4	152,958	3/4	141,412	3/4	129,866	3/4	118,319	3/4	106,773	3/4	95,227	3/4	83,681	3/4	72,135	3/4	60,589	
11	11	152,717	11	141,171	11	129,625	11	118,079	11	106,533	11	94,987	11	83,440	11	71,894	11	60,348	
1/4	1/4	152,477	1/4	140,931	1/4	129,384	1/4	117,838	1/4	106,292	1/4	94,746	1/4	83,200	1/4	71,654	1/4	60,108	
1/2	1/2	152,236	1/2	140,690	1/2	129,144	1/2	117,598	1/2	106,052	1/2	94,506	1/2	82,959	1/2	71,413	1/2	59,867	
3/4	3/4	151,996	3/4	140,449	3/4	128,903	3/4	117,357	3/4	105,811	3/4	94,265	3/4	82,719	3/4	71,173	3/4	59,627	

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 ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "IB 1964"

2 CENTER ULLAGE 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	59,386	0	47,840	0	36,308	0	25,030	0	13,485	0	1,946	0		0		0		0	
1/4	59,146	1/4	47,599	1/4	36,074	1/4	24,790	1/4	13,244	1/4	1,708	1/4		1/4		1/4		1/4	
1/2	58,905	1/2	47,359	1/2	35,841	1/2	24,549	1/2	13,004	1/2	1,469	1/2		1/2		1/2		1/2	
3/4	58,664	3/4	47,118	3/4	35,607	3/4	24,309	3/4	12,763	3/4	1,269	3/4		3/4		3/4		3/4	
1	58,424	1	46,878	1	35,374	1	24,068	1	12,522	1	1,068	1		1		1		1	
1/4	58,183	1/4	46,637	1/4	35,140	1/4	23,828	1/4	12,282	1/4	868	1/4		1/4		1/4		1/4	
1/2	57,943	1/2	46,397	1/2	34,907	1/2	23,587	1/2	12,041	1/2	668	1/2		1/2		1/2		1/2	
3/4	57,702	3/4	46,156	3/4	34,673	3/4	23,347	3/4	11,801	3/4	547	3/4		3/4		3/4		3/4	
2	57,462	2	45,916	2	34,440	2	23,106	2	11,560	2	427	2		2		2		2	
1/4	57,221	1/4	45,675	1/4	34,206	1/4	22,865	1/4	11,320	1/4	307	1/4		1/4		1/4		1/4	
1/2	56,981	1/2	45,435	1/2	33,973	1/2	22,625	1/2	11,079	1/2	187	1/2		1/2		1/2		1/2	
3/4	56,740	3/4	45,194	3/4	33,739	3/4	22,384	3/4	10,839	3/4	147	3/4		3/4		3/4		3/4	
3	56,500	3	44,953	3	33,506	3	22,144	3	10,598	3	106	3		3		3		3	
1/4	56,259	1/4	44,713	1/4	33,272	1/4	21,903	1/4	10,358	1/4	66	1/4		1/4		1/4		1/4	
1/2	56,018	1/2	44,472	1/2	33,039	1/2	21,663	1/2	10,117	1/2	26	1/2		1/2		1/2		1/2	
3/4	55,778	3/4	44,232	3/4	32,805	3/4	21,422	3/4	9,877	3/4		3/4		3/4		3/4		3/4	
4	55,537	4	43,991	4	32,572	4	21,182	4	9,636	4		4		4		4		4	
1/4	55,297	1/4	43,751	1/4	32,339	1/4	20,941	1/4	9,396	1/4		1/4		1/4		1/4		1/4	
1/2	55,056	1/2	43,510	1/2	32,105	1/2	20,701	1/2	9,155	1/2		1/2		1/2		1/2		1/2	
3/4	54,816	3/4	43,270	3/4	31,872	3/4	20,460	3/4	8,914	3/4		3/4		3/4		3/4		3/4	
5	54,575	5	43,029	5	31,638	5	20,220	5	8,674	5		5		5		5		5	
1/4	54,335	1/4	42,789	1/4	31,405	1/4	19,979	1/4	8,433	1/4		1/4		1/4		1/4		1/4	
1/2	54,094	1/2	42,548	1/2	31,171	1/2	19,739	1/2	8,193	1/2		1/2		1/2		1/2		1/2	
3/4	53,854	3/4	42,307	3/4	30,938	3/4	19,498	3/4	7,952	3/4		3/4		3/4		3/4		3/4	
6	53,613	6	42,067	6	30,704	6	19,257	6	7,712	6		6		6		6		6	
1/4	53,372	1/4	41,826	1/4	30,471	1/4	19,017	1/4	7,471	1/4		1/4		1/4		1/4		1/4	
1/2	53,132	1/2	41,586	1/2	30,237	1/2	18,776	1/2	7,231	1/2		1/2		1/2		1/2		1/2	
3/4	52,891	3/4	41,345	3/4	30,004	3/4	18,536	3/4	6,990	3/4		3/4		3/4		3/4		3/4	
7	52,651	7	41,105	7	29,770	7	18,295	7	6,750	7		7		7		7		7	
1/4	52,410	1/4	40,864	1/4	29,537	1/4	18,055	1/4	6,509	1/4		1/4		1/4		1/4		1/4	
1/2	52,170	1/2	40,624	1/2	29,303	1/2	17,814	1/2	6,269	1/2		1/2		1/2		1/2		1/2	
3/4	51,929	3/4	40,383	3/4	29,070	3/4	17,574	3/4	6,028	3/4		3/4		3/4		3/4		3/4	
8	51,689	8	40,143	8	28,836	8	17,333	8	5,788	8		8		8		8		8	
1/4	51,448	1/4	39,902	1/4	28,603	1/4	17,093	1/4	5,547	1/4		1/4		1/4		1/4		1/4	
1/2	51,208	1/2	39,661	1/2	28,370	1/2	16,852	1/2	5,307	1/2		1/2		1/2		1/2		1/2	
3/4	50,967	3/4	39,421	3/4	28,136	3/4	16,612	3/4	5,066	3/4		3/4		3/4		3/4		3/4	
9	50,726	9	39,180	9	27,903	9	16,371	9	4,826	9		9		9		9		9	
1/4	50,486	1/4	38,940	1/4	27,669	1/4	16,131	1/4	4,585	1/4		1/4		1/4		1/4		1/4	
1/2	50,245	1/2	38,699	1/2	27,436	1/2	15,890	1/2	4,344	1/2		1/2		1/2		1/2		1/2	
3/4	50,005	3/4	38,459	3/4	27,195	3/4	15,649	3/4	4,104	3/4		3/4		3/4		3/4		3/4	
10	49,764	10	38,218	10	26,955	10	15,409	10	3,864	10		10		10		10		10	
1/4	49,524	1/4	37,978	1/4	26,714	1/4	15,168	1/4	3,623	1/4		1/4		1/4		1/4		1/4	
1/2	49,283	1/2	37,737	1/2	26,474	1/2	14,928	1/2	3,383	1/2		1/2		1/2		1/2		1/2	
3/4	49,043	3/4	37,497	3/4	26,233	3/4	14,687	3/4	3,143	3/4		3/4		3/4		3/4		3/4	
11	48,802	11	37,256	11	25,992	11	14,447	11	2,903	11		11		11		11		11	
1/4	48,562	1/4	37,015	1/4	25,752	1/4	14,206	1/4	2,663	1/4		1/4		1/4		1/4		1/4	
1/2	48,321	1/2	36,775	1/2	25,511	1/2	13,966	1/2	2,423	1/2		1/2		1/2		1/2		1/2	
3/4	48,080	3/4	36,541	3/4	25,271	3/4	13,725	3/4	2,184	3/4		3/4		3/4		3/4		3/4	

STRAPPED: 02/26/2016 CL
CALCULATED: 02/27/2016 CL
PRINTED: 02/27/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "IB 1964"

3 CENTER ULLAGE 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		0	160,315	0	150,320	0	138,885	0	127,450	0	116,015	0	104,580	0	93,145	0	81,710	0	70,275
1/4		1/4	160,305	1/4	150,082	1/4	138,647	1/4	127,212	1/4	115,777	1/4	104,342	1/4	92,907	1/4	81,471	1/4	70,036
1/2		1/2	160,245	1/2	149,844	1/2	138,409	1/2	126,974	1/2	115,539	1/2	104,103	1/2	92,668	1/2	81,233	1/2	69,798
3/4		3/4	160,186	3/4	149,606	3/4	138,171	3/4	126,736	3/4	115,300	3/4	103,865	3/4	92,430	3/4	80,995	3/4	69,560
1		1	160,126	1	149,368	1	137,932	1	126,497	1	115,062	1	103,627	1	92,192	1	80,757	1	69,322
1/4		1/4	160,067	1/4	149,129	1/4	137,694	1/4	126,259	1/4	114,824	1/4	103,389	1/4	91,954	1/4	80,518	1/4	69,083
1/2		1/2	159,928	1/2	148,891	1/2	137,456	1/2	126,021	1/2	114,586	1/2	103,151	1/2	91,715	1/2	80,280	1/2	68,845
3/4		3/4	159,789	3/4	148,653	3/4	137,218	3/4	125,783	3/4	114,347	3/4	102,912	3/4	91,477	3/4	80,042	3/4	68,607
2		2	159,650	2	148,415	2	136,979	2	125,544	2	114,109	2	102,674	2	91,239	2	79,804	2	68,369
1/4		1/4	159,511	1/4	148,176	1/4	136,741	1/4	125,306	1/4	113,871	1/4	102,436	1/4	91,001	1/4	79,566	1/4	68,130
1/2		1/2	159,296	1/2	147,938	1/2	136,503	1/2	125,068	1/2	113,633	1/2	102,198	1/2	90,762	1/2	79,327	1/2	67,892
3/4		3/4	159,081	3/4	147,700	3/4	136,265	3/4	124,830	3/4	113,395	3/4	101,959	3/4	90,524	3/4	79,089	3/4	67,654
3		3	158,866	3	147,462	3	136,027	3	124,591	3	113,156	3	101,721	3	90,286	3	78,851	3	67,416
1/4		1/4	158,651	1/4	147,223	1/4	135,788	1/4	124,353	1/4	112,918	1/4	101,483	1/4	90,048	1/4	78,613	1/4	67,177
1/2		1/2	158,414	1/2	146,985	1/2	135,550	1/2	124,115	1/2	112,680	1/2	101,245	1/2	89,810	1/2	78,374	1/2	66,939
3/4		3/4	158,177	3/4	146,747	3/4	135,312	3/4	123,877	3/4	112,442	3/4	101,006	3/4	89,571	3/4	78,136	3/4	66,701
4		4	157,941	4	146,509	4	135,074	4	123,638	4	112,203	4	100,768	4	89,333	4	77,898	4	66,463
1/4		1/4	157,704	1/4	146,271	1/4	134,835	1/4	123,400	1/4	111,965	1/4	100,530	1/4	89,095	1/4	77,660	1/4	66,225
1/2		1/2	157,466	1/2	146,032	1/2	134,597	1/2	123,162	1/2	111,727	1/2	100,292	1/2	88,857	1/2	77,421	1/2	65,986
3/4		3/4	157,228	3/4	145,794	3/4	134,359	3/4	122,924	3/4	111,489	3/4	100,054	3/4	88,618	3/4	77,183	3/4	65,748
5		5	156,990	5	145,556	5	134,121	5	122,686	5	111,250	5	99,815	5	88,380	5	76,945	5	65,510
1/4		1/4	156,753	1/4	145,318	1/4	133,882	1/4	122,447	1/4	111,012	1/4	99,577	1/4	88,142	1/4	76,707	1/4	65,272
1/2		1/2	156,514	1/2	145,079	1/2	133,644	1/2	122,209	1/2	110,774	1/2	99,339	1/2	87,904	1/2	76,469	1/2	65,033
3/4		3/4	156,276	3/4	144,841	3/4	133,406	3/4	121,971	3/4	110,536	3/4	99,101	3/4	87,665	3/4	76,230	3/4	64,795
6		6	156,038	6	144,603	6	133,168	6	121,733	6	110,297	6	98,862	6	87,427	6	75,992	6	64,557
1/4		1/4	155,800	1/4	144,365	1/4	132,930	1/4	121,494	1/4	110,059	1/4	98,624	1/4	87,189	1/4	75,754	1/4	64,319
1/2		1/2	155,562	1/2	144,126	1/2	132,691	1/2	121,256	1/2	109,821	1/2	98,386	1/2	86,951	1/2	75,516	1/2	64,080
3/4		3/4	155,323	3/4	143,888	3/4	132,453	3/4	121,018	3/4	109,583	3/4	98,148	3/4	86,713	3/4	75,277	3/4	63,842
7		7	155,085	7	143,650	7	132,215	7	120,780	7	109,345	7	97,909	7	86,474	7	75,039	7	63,604
1/4		1/4	154,847	1/4	143,412	1/4	131,977	1/4	120,541	1/4	109,106	1/4	97,671	1/4	86,236	1/4	74,801	1/4	63,366
1/2		1/2	154,609	1/2	143,174	1/2	131,738	1/2	120,303	1/2	108,868	1/2	97,433	1/2	85,998	1/2	74,563	1/2	63,128
3/4		3/4	154,370	3/4	142,935	3/4	131,500	3/4	120,065	3/4	108,630	3/4	97,195	3/4	85,760	3/4	74,324	3/4	62,889
8		8	154,132	8	142,697	8	131,262	8	119,827	8	108,392	8	96,957	8	85,521	8	74,086	8	62,651
1/4		1/4	153,894	1/4	142,459	1/4	131,024	1/4	119,589	1/4	108,153	1/4	96,718	1/4	85,283	1/4	73,848	1/4	62,413
1/2		1/2	153,656	1/2	142,221	1/2	130,785	1/2	119,350	1/2	107,915	1/2	96,480	1/2	85,045	1/2	73,610	1/2	62,175
3/4		3/4	153,418	3/4	141,982	3/4	130,547	3/4	119,112	3/4	107,677	3/4	96,242	3/4	84,807	3/4	73,372	3/4	61,936
9		9	153,179	9	141,744	9	130,309	9	118,874	9	107,439	9	96,004	9	84,568	9	73,133	9	61,698
1/4		1/4	152,941	1/4	141,506	1/4	130,071	1/4	118,636	1/4	107,200	1/4	95,765	1/4	84,330	1/4	72,895	1/4	61,460
1/2		1/2	152,703	1/2	141,268	1/2	129,833	1/2	118,397	1/2	106,962	1/2	95,527	1/2	84,092	1/2	72,657	1/2	61,222
3/4		3/4	152,465	3/4	141,029	3/4	129,594	3/4	118,159	3/4	106,724	3/4	95,289	3/4	83,854	3/4	72,419	3/4	60,983
10		10	152,226	10	140,791	10	129,356	10	117,921	10	106,486	10	95,051	10	83,616	10	72,180	10	60,745
1/4		1/4	151,988	1/4	140,553	1/4	129,118	1/4	117,683	1/4	106,248	1/4	94,812	1/4	83,377	1/4	71,942	1/4	60,507
1/2		1/2	151,750	1/2	140,315	1/2	128,880	1/2	117,444	1/2	106,009	1/2	94,574	1/2	83,139	1/2	71,704	1/2	60,269
3/4		3/4	151,512	3/4	140,077	3/4	128,641	3/4	117,206	3/4	105,771	3/4	94,336	3/4	82,901	3/4	71,466	3/4	60,031
11		11	151,273	11	139,838	11	128,403	11	116,968	11	105,533	11	94,098	11	82,663	11	71,227	11	59,792
1/4		1/4	151,035	1/4	139,600	1/4	128,165	1/4	116,730	1/4	105,295	1/4	93,859	1/4	82,424	1/4	70,989	1/4	59,554
1/2		1/2	150,797	1/2	139,362	1/2	127,927	1/2	116,492	1/2	105,056	1/2	93,621	1/2	82,186	1/2	70,751	1/2	59,316
3/4		3/4	150,559	3/4	139,124	3/4	127,688	3/4	116,253	3/4	104,818	3/4	93,383	3/4	81,948	3/4	70,513	3/4	59,078

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 ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "IB 1964"

3 CENTER ULLAGE 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	58,839	0	47,404	0	35,970	0	24,552	0	13,117	0	1,691	0		0		0		0	
1/4	58,601	1/4	47,166	1/4	35,732	1/4	24,314	1/4	12,879	1/4	1,455	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,363	1/2	46,928	1/2	35,495	1/2	24,075	1/2	12,641	1/2	1,257	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,125	3/4	46,690	3/4	35,257	3/4	23,837	3/4	12,402	3/4	1,058	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	57,886	1	46,451	1	35,019	1	23,599	1	12,164	1	860	1	1	1	1	1	1	1	1
1/4	57,648	1/4	46,213	1/4	34,781	1/4	23,361	1/4	11,926	1/4	662	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,410	1/2	45,975	1/2	34,543	1/2	23,122	1/2	11,688	1/2	542	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,172	3/4	45,737	3/4	34,306	3/4	22,884	3/4	11,449	3/4	423	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	56,934	2	45,498	2	34,068	2	22,646	2	11,211	2	304	2	2	2	2	2	2	2	2
1/4	56,695	1/4	45,260	1/4	33,830	1/4	22,408	1/4	10,973	1/4	185	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,457	1/2	45,022	1/2	33,592	1/2	22,169	1/2	10,735	1/2	145	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,219	3/4	44,784	3/4	33,354	3/4	21,931	3/4	10,497	3/4	106	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	55,981	3	44,545	3	33,117	3	21,693	3	10,258	3	66	3	3	3	3	3	3	3	3
1/4	55,742	1/4	44,307	1/4	32,879	1/4	21,455	1/4	10,020	1/4	26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,504	1/2	44,069	1/2	32,641	1/2	21,217	1/2	9,782	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,266	3/4	43,831	3/4	32,403	3/4	20,978	3/4	9,544	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	55,028	4	43,593	4	32,166	4	20,740	4	9,305	4		4	4	4	4	4	4	4	4
1/4	54,789	1/4	43,354	1/4	31,928	1/4	20,502	1/4	9,067	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,551	1/2	43,116	1/2	31,690	1/2	20,264	1/2	8,829	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,313	3/4	42,878	3/4	31,452	3/4	20,025	3/4	8,591	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	54,075	5	42,640	5	31,214	5	19,787	5	8,353	5		5	5	5	5	5	5	5	5
1/4	53,836	1/4	42,401	1/4	30,977	1/4	19,549	1/4	8,114	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,598	1/2	42,163	1/2	30,739	1/2	19,311	1/2	7,876	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,360	3/4	41,925	3/4	30,501	3/4	19,073	3/4	7,638	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	53,122	6	41,687	6	30,263	6	18,834	6	7,400	6		6	6	6	6	6	6	6	6
1/4	52,884	1/4	41,448	1/4	30,026	1/4	18,596	1/4	7,161	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,645	1/2	41,210	1/2	29,788	1/2	18,358	1/2	6,923	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,407	3/4	40,972	3/4	29,550	3/4	18,120	3/4	6,685	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	52,169	7	40,734	7	29,312	7	17,881	7	6,447	7		7	7	7	7	7	7	7	7
1/4	51,931	1/4	40,495	1/4	29,074	1/4	17,643	1/4	6,209	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,692	1/2	40,257	1/2	28,837	1/2	17,405	1/2	5,970	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,454	3/4	40,019	3/4	28,599	3/4	17,167	3/4	5,732	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	51,216	8	39,781	8	28,361	8	16,929	8	5,494	8		8	8	8	8	8	8	8	8
1/4	50,978	1/4	39,543	1/4	28,123	1/4	16,690	1/4	5,256	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,739	1/2	39,304	1/2	27,886	1/2	16,452	1/2	5,018	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,501	3/4	39,066	3/4	27,648	3/4	16,214	3/4	4,779	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	50,263	9	38,828	9	27,410	9	15,976	9	4,541	9		9	9	9	9	9	9	9	9
1/4	50,025	1/4	38,590	1/4	27,172	1/4	15,737	1/4	4,303	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,787	1/2	38,351	1/2	26,934	1/2	15,499	1/2	4,065	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,548	3/4	38,113	3/4	26,696	3/4	15,261	3/4	3,827	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	49,310	10	37,875	10	26,458	10	15,023	10	3,589	10		10	10	10	10	10	10	10	10
1/4	49,072	1/4	37,637	1/4	26,219	1/4	14,785	1/4	3,350	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,834	1/2	37,398	1/2	25,981	1/2	14,546	1/2	3,113	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,595	3/4	37,160	3/4	25,743	3/4	14,308	3/4	2,875	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	48,357	11	36,922	11	25,505	11	14,070	11	2,637	11		11	11	11	11	11	11	11	11
1/4	48,119	1/4	36,684	1/4	25,266	1/4	13,832	1/4	2,400	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,881	1/2	36,446	1/2	25,028	1/2	13,593	1/2	2,164	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,642	3/4	36,208	3/4	24,790	3/4	13,355	3/4	1,928	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 02/2016

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