



BARGE "IB 1082"

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	00-3/8	- 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 ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

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 ULLAGE 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		0	168,437	0	157,732	0	147,048	0	136,364	0	125,680	0	113,965	0	101,477	0	88,990	0	76,502
1/4	1/4	168,384	1/4	157,509	1/4	146,825	1/4	136,141	1/4	125,457	1/4	113,704	1/4	101,217	1/4	88,730	1/4	76,242	
1/2	1/2	168,330	1/2	157,287	1/2	146,603	1/2	135,919	1/2	125,235	1/2	113,444	1/2	100,957	1/2	88,470	1/2	75,982	
3/4	3/4	168,276	3/4	157,064	3/4	146,380	3/4	135,696	3/4	125,012	3/4	113,184	3/4	100,697	3/4	88,209	3/4	75,722	
1		1	168,146	1	156,841	1	146,157	1	135,473	1	124,790	1	112,924	1	100,436	1	87,949	1	75,462
1/4	1/4	168,016	1/4	156,619	1/4	145,935	1/4	135,251	1/4	124,567	1/4	112,664	1/4	100,176	1/4	87,689	1/4	75,201	
1/2	1/2	167,885	1/2	156,396	1/2	145,712	1/2	135,028	1/2	124,344	1/2	112,404	1/2	99,916	1/2	87,429	1/2	74,941	
3/4	3/4	167,755	3/4	156,174	3/4	145,490	3/4	134,806	3/4	124,122	3/4	112,143	3/4	99,656	3/4	87,169	3/4	74,681	
2		2	167,542	2	155,951	2	145,267	2	134,583	2	123,899	2	111,883	2	99,396	2	86,909	2	74,421
1/4	1/4	167,330	1/4	155,728	1/4	145,045	1/4	134,361	1/4	123,677	1/4	111,623	1/4	99,136	1/4	86,648	1/4	74,161	
1/2	1/2	167,117	1/2	155,506	1/2	144,822	1/2	134,138	1/2	123,454	1/2	111,363	1/2	98,876	1/2	86,388	1/2	73,901	
3/4	3/4	166,904	3/4	155,283	3/4	144,599	3/4	133,915	3/4	123,231	3/4	111,103	3/4	98,616	3/4	86,128	3/4	73,640	
3		3	166,651	3	155,061	3	144,377	3	133,693	3	123,009	3	110,843	3	98,355	3	85,868	3	73,380
1/4	1/4	166,398	1/4	154,838	1/4	144,154	1/4	133,470	1/4	122,786	1/4	110,582	1/4	98,095	1/4	85,608	1/4	73,120	
1/2	1/2	166,145	1/2	154,616	1/2	143,932	1/2	133,248	1/2	122,564	1/2	110,322	1/2	97,835	1/2	85,348	1/2	72,860	
3/4	3/4	165,892	3/4	154,393	3/4	143,709	3/4	133,025	3/4	122,341	3/4	110,062	3/4	97,575	3/4	85,088	3/4	72,600	
4		4	165,632	4	154,170	4	143,486	4	132,802	4	122,119	4	109,802	4	97,315	4	84,827	4	72,340
1/4	1/4	165,372	1/4	153,948	1/4	143,264	1/4	132,580	1/4	121,897	1/4	109,542	1/4	97,055	1/4	84,567	1/4	72,079	
1/2	1/2	165,113	1/2	153,725	1/2	143,041	1/2	132,357	1/2	121,674	1/2	109,282	1/2	96,795	1/2	84,307	1/2	71,819	
3/4	3/4	164,853	3/4	153,503	3/4	142,819	3/4	132,135	3/4	121,452	3/4	109,021	3/4	96,534	3/4	84,047	3/4	71,559	
5		5	164,592	5	153,280	5	142,596	5	131,912	5	121,206	5	108,761	5	96,274	5	83,787	5	71,299
1/4	1/4	164,332	1/4	153,057	1/4	142,374	1/4	131,690	1/4	120,960	1/4	108,501	1/4	96,014	1/4	83,527	1/4	71,040	
1/2	1/2	164,071	1/2	152,835	1/2	142,151	1/2	131,467	1/2	120,714	1/2	108,241	1/2	95,754	1/2	83,266	1/2	70,780	
3/4	3/4	163,810	3/4	152,612	3/4	141,928	3/4	131,244	3/4	120,469	3/4	107,981	3/4	95,494	3/4	83,006	3/4	70,520	
6		6	163,550	6	152,390	6	141,706	6	131,022	6	120,208	6	107,721	6	95,234	6	82,746	6	70,260
1/4	1/4	163,289	1/4	152,167	1/4	141,483	1/4	130,799	1/4	119,948	1/4	107,460	1/4	94,974	1/4	82,486	1/4	70,001	
1/2	1/2	163,028	1/2	151,945	1/2	141,261	1/2	130,577	1/2	119,688	1/2	107,200	1/2	94,713	1/2	82,226	1/2	69,741	
3/4	3/4	162,768	3/4	151,722	3/4	141,038	3/4	130,354	3/4	119,428	3/4	106,940	3/4	94,453	3/4	81,966	3/4	69,482	
7		7	162,507	7	151,499	7	140,815	7	130,132	7	119,168	7	106,680	7	94,193	7	81,705	7	69,222
1/4	1/4	162,246	1/4	151,277	1/4	140,593	1/4	129,909	1/4	118,908	1/4	106,420	1/4	93,933	1/4	81,445	1/4	68,963	
1/2	1/2	161,986	1/2	151,054	1/2	140,370	1/2	129,686	1/2	118,647	1/2	106,160	1/2	93,673	1/2	81,185	1/2	68,703	
3/4	3/4	161,725	3/4	150,832	3/4	140,148	3/4	129,464	3/4	118,387	3/4	105,900	3/4	93,413	3/4	80,925	3/4	68,443	
8		8	161,464	8	150,609	8	139,925	8	129,241	8	118,127	8	105,639	8	93,152	8	80,665	8	68,184
1/4	1/4	161,204	1/4	150,387	1/4	139,703	1/4	129,019	1/4	117,867	1/4	105,379	1/4	92,892	1/4	80,405	1/4	67,924	
1/2	1/2	160,943	1/2	150,164	1/2	139,480	1/2	128,796	1/2	117,607	1/2	105,119	1/2	92,632	1/2	80,144	1/2	67,665	
3/4	3/4	160,682	3/4	149,941	3/4	139,257	3/4	128,573	3/4	117,347	3/4	104,859	3/4	92,372	3/4	79,884	3/4	67,405	
9		9	160,446	9	149,719	9	139,035	9	128,351	9	117,086	9	104,599	9	92,112	9	79,624	9	67,146
1/4	1/4	160,209	1/4	149,496	1/4	138,812	1/4	128,128	1/4	116,826	1/4	104,339	1/4	91,852	1/4	79,364	1/4	66,886	
1/2	1/2	159,972	1/2	149,274	1/2	138,590	1/2	127,906	1/2	116,566	1/2	104,078	1/2	91,592	1/2	79,104	1/2	66,627	
3/4	3/4	159,735	3/4	149,051	3/4	138,367	3/4	127,683	3/4	116,306	3/4	103,818	3/4	91,331	3/4	78,844	3/4	66,367	
10		10	159,512	10	148,828	10	138,144	10	127,461	10	116,046	10	103,558	10	91,071	10	78,583	10	66,107
1/4	1/4	159,290	1/4	148,606	1/4	137,922	1/4	127,238	1/4	115,786	1/4	103,298	1/4	90,811	1/4	78,323	1/4	65,848	
1/2	1/2	159,067	1/2	148,383	1/2	137,699	1/2	127,015	1/2	115,525	1/2	103,038	1/2	90,551	1/2	78,063	1/2	65,588	
3/4	3/4	158,845	3/4	148,161	3/4	137,477	3/4	126,793	3/4	115,265	3/4	102,778	3/4	90,291	3/4	77,803	3/4	65,329	
11		11	158,622	11	147,938	11	137,254	11	126,570	11	115,005	11	102,518	11	90,031	11	77,543	11	65,069
1/4	1/4	158,399	1/4	147,716	1/4	137,032	1/4	126,348	1/4	114,745	1/4	102,257	1/4	89,770	1/4	77,283	1/4	64,810	
1/2	1/2	158,177	1/2	147,493	1/2	136,809	1/2	126,125	1/2	114,485	1/2	101,997	1/2	89,510	1/2	77,023	1/2	64,550	
3/4	3/4	168,491	3/4	157,954	3/4	147,270	3/4	136,586	3/4	125,902	3/4	114,225	3/4	89,250	3/4	76,762	3/4	64,291	

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 INNAE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588
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BARGE "IB 1082"

1 CENTER ULLAGE 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	64,031	0	51,555	0	39,096	0	26,840	0	14,352	0	1,888	0		0		0		0	
1/4	63,771	1/4	51,295	1/4	38,842	1/4	26,580	1/4	14,092	1/4	1,656	1/4		1/4		1/4		1/4	
1/2	63,512	1/2	51,035	1/2	38,588	1/2	26,320	1/2	13,832	1/2	1,423	1/2		1/2		1/2		1/2	
3/4	63,252	3/4	50,775	3/4	38,334	3/4	26,060	3/4	13,571	3/4	1,190	3/4		3/4		3/4		3/4	
1	62,993	1	50,515	1	38,080	1	25,799	1	13,311	1	1,027	1		1		1		1	
1/4	62,733	1/4	50,255	1/4	37,826	1/4	25,539	1/4	13,051	1/4	864	1/4		1/4		1/4		1/4	
1/2	62,474	1/2	49,995	1/2	37,573	1/2	25,279	1/2	12,791	1/2	702	1/2		1/2		1/2		1/2	
3/4	62,214	3/4	49,735	3/4	37,319	3/4	25,019	3/4	12,531	3/4	539	3/4		3/4		3/4		3/4	
2	61,954	2	49,475	2	37,065	2	24,759	2	12,271	2	463	2		2		2		2	
1/4	61,695	1/4	49,215	1/4	36,811	1/4	24,499	1/4	12,010	1/4	387	1/4		1/4		1/4		1/4	
1/2	61,435	1/2	48,955	1/2	36,557	1/2	24,238	1/2	11,750	1/2	311	1/2		1/2		1/2		1/2	
3/4	61,176	3/4	48,695	3/4	36,304	3/4	23,978	3/4	11,490	3/4	235	3/4		3/4		3/4		3/4	
3	60,916	3	48,435	3	36,050	3	23,718	3	11,230	3		3		3		3		3	
1/4	60,656	1/4	48,175	1/4	35,796	1/4	23,458	1/4	10,970	1/4		1/4		1/4		1/4		1/4	
1/2	60,396	1/2	47,915	1/2	35,542	1/2	23,198	1/2	10,709	1/2		1/2		1/2		1/2		1/2	
3/4	60,136	3/4	47,655	3/4	35,289	3/4	22,938	3/4	10,449	3/4		3/4		3/4		3/4		3/4	
4	59,876	4	47,395	4	35,035	4	22,677	4	10,189	4		4		4		4		4	
1/4	59,616	1/4	47,135	1/4	34,781	1/4	22,417	1/4	9,929	1/4		1/4		1/4		1/4		1/4	
1/2	59,356	1/2	46,875	1/2	34,527	1/2	22,157	1/2	9,668	1/2		1/2		1/2		1/2		1/2	
3/4	59,096	3/4	46,615	3/4	34,273	3/4	21,897	3/4	9,408	3/4		3/4		3/4		3/4		3/4	
5	58,836	5	46,355	5	34,020	5	21,637	5	9,147	5		5		5		5		5	
1/4	58,576	1/4	46,095	1/4	33,766	1/4	21,377	1/4	8,887	1/4		1/4		1/4		1/4		1/4	
1/2	58,316	1/2	45,835	1/2	33,512	1/2	21,116	1/2	8,627	1/2		1/2		1/2		1/2		1/2	
3/4	58,056	3/4	45,575	3/4	33,258	3/4	20,856	3/4	8,366	3/4		3/4		3/4		3/4		3/4	
6	57,796	6	45,315	6	33,004	6	20,596	6	8,106	6		6		6		6		6	
1/4	57,536	1/4	45,055	1/4	32,751	1/4	20,336	1/4	7,845	1/4		1/4		1/4		1/4		1/4	
1/2	57,276	1/2	44,794	1/2	32,497	1/2	20,076	1/2	7,585	1/2		1/2		1/2		1/2		1/2	
3/4	57,016	3/4	44,534	3/4	32,243	3/4	19,816	3/4	7,325	3/4		3/4		3/4		3/4		3/4	
7	56,756	7	44,274	7	31,989	7	19,555	7	7,064	7		7		7		7		7	
1/4	56,496	1/4	44,014	1/4	31,735	1/4	19,295	1/4	6,804	1/4		1/4		1/4		1/4		1/4	
1/2	56,236	1/2	43,754	1/2	31,482	1/2	19,035	1/2	6,544	1/2		1/2		1/2		1/2		1/2	
3/4	55,976	3/4	43,494	3/4	31,228	3/4	18,775	3/4	6,283	3/4		3/4		3/4		3/4		3/4	
8	55,716	8	43,234	8	30,974	8	18,515	8	6,023	8		8		8		8		8	
1/4	55,456	1/4	42,974	1/4	30,720	1/4	18,255	1/4	5,762	1/4		1/4		1/4		1/4		1/4	
1/2	55,196	1/2	42,714	1/2	30,467	1/2	17,994	1/2	5,502	1/2		1/2		1/2		1/2		1/2	
3/4	54,936	3/4	42,454	3/4	30,213	3/4	17,734	3/4	5,241	3/4		3/4		3/4		3/4		3/4	
9	54,676	9	42,194	9	29,955	9	17,474	9	4,980	9		9		9		9		9	
1/4	54,416	1/4	41,934	1/4	29,697	1/4	17,214	1/4	4,720	1/4		1/4		1/4		1/4		1/4	
1/2	54,156	1/2	41,674	1/2	29,439	1/2	16,954	1/2	4,459	1/2		1/2		1/2		1/2		1/2	
3/4	53,896	3/4	41,414	3/4	29,182	3/4	16,693	3/4	4,198	3/4		3/4		3/4		3/4		3/4	
10	53,636	10	41,154	10	28,921	10	16,433	10	3,938	10		10		10		10		10	
1/4	53,376	1/4	40,894	1/4	28,661	1/4	16,173	1/4	3,678	1/4		1/4		1/4		1/4		1/4	
1/2	53,116	1/2	40,634	1/2	28,401	1/2	15,913	1/2	3,418	1/2		1/2		1/2		1/2		1/2	
3/4	52,855	3/4	40,374	3/4	28,141	3/4	15,653	3/4	3,157	3/4		3/4		3/4		3/4		3/4	
11	52,595	11	40,118	11	27,881	11	15,393	11	2,898	11		11		11		11		11	
1/4	52,335	1/4	39,862	1/4	27,621	1/4	15,132	1/4	2,639	1/4		1/4		1/4		1/4		1/4	
1/2	52,075	1/2	39,605	1/2	27,360	1/2	14,872	1/2	2,380	1/2		1/2		1/2		1/2		1/2	
3/4	51,815	3/4	39,349	3/4	27,100	3/4	14,612	3/4	2,121	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
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "IB 1082"

2 CENTER ULLAGE 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		0	155,220	0	145,535	0	134,455	0	123,375	0	112,295	0	101,215	0	90,135	0	79,054	0	67,974
1/4	1/4	155,173	1/4	145,304	1/4	134,224	1/4	123,144	1/4	112,064	1/4	100,984	1/4	89,904	1/4	78,824	1/4	67,743	
1/2	1/2	155,125	1/2	145,073	1/2	133,993	1/2	122,913	1/2	111,833	1/2	100,753	1/2	89,673	1/2	78,593	1/2	67,513	
3/4	3/4	155,078	3/4	144,843	3/4	133,762	3/4	122,682	3/4	111,602	3/4	100,522	3/4	89,442	3/4	78,362	3/4	67,282	
1		1	155,030	1	144,612	1	133,532	1	122,452	1	111,371	1	100,291	1	89,211	1	78,131	1	67,051
1/4	1/4	154,915	1/4	144,381	1/4	133,301	1/4	122,221	1/4	111,141	1/4	100,060	1/4	88,980	1/4	77,900	1/4	66,820	
1/2	1/2	154,799	1/2	144,150	1/2	133,070	1/2	121,990	1/2	110,910	1/2	99,830	1/2	88,750	1/2	77,669	1/2	66,589	
3/4	3/4	154,684	3/4	143,919	3/4	132,839	3/4	121,759	3/4	110,679	3/4	99,599	3/4	88,519	3/4	77,439	3/4	66,358	
2		2	154,568	2	143,688	2	132,608	2	121,528	2	110,448	2	99,368	2	88,288	2	77,208	2	66,128
1/4	1/4	154,380	1/4	143,458	1/4	132,377	1/4	121,297	1/4	110,217	1/4	99,137	1/4	88,057	1/4	76,977	1/4	65,897	
1/2	1/2	154,192	1/2	143,227	1/2	132,147	1/2	121,066	1/2	109,986	1/2	98,906	1/2	87,826	1/2	76,746	1/2	65,666	
3/4	3/4	154,003	3/4	142,996	3/4	131,916	3/4	120,836	3/4	109,756	3/4	98,675	3/4	87,595	3/4	76,515	3/4	65,435	
3		3	153,815	3	142,765	3	131,685	3	120,605	3	109,525	3	98,445	3	87,364	3	76,284	3	65,204
1/4	1/4	153,591	1/4	142,534	1/4	131,454	1/4	120,374	1/4	109,294	1/4	98,214	1/4	87,134	1/4	76,054	1/4	64,973	
1/2	1/2	153,367	1/2	142,303	1/2	131,223	1/2	120,143	1/2	109,063	1/2	97,983	1/2	86,903	1/2	75,823	1/2	64,743	
3/4	3/4	153,143	3/4	142,073	3/4	130,992	3/4	119,912	3/4	108,832	3/4	97,752	3/4	86,672	3/4	75,592	3/4	64,512	
4		4	152,919	4	141,842	4	130,762	4	119,681	4	108,601	4	97,521	4	86,441	4	75,361	4	64,281
1/4	1/4	152,689	1/4	141,611	1/4	130,531	1/4	119,451	1/4	108,371	1/4	97,290	1/4	86,210	1/4	75,130	1/4	64,050	
1/2	1/2	152,458	1/2	141,380	1/2	130,300	1/2	119,220	1/2	108,140	1/2	97,060	1/2	85,979	1/2	74,899	1/2	63,819	
3/4	3/4	152,228	3/4	141,149	3/4	130,069	3/4	118,989	3/4	107,909	3/4	96,829	3/4	85,749	3/4	74,669	3/4	63,588	
5		5	151,998	5	140,918	5	129,838	5	118,758	5	107,678	5	96,598	5	85,518	5	74,438	5	63,358
1/4	1/4	151,767	1/4	140,688	1/4	129,607	1/4	118,527	1/4	107,447	1/4	96,367	1/4	85,287	1/4	74,207	1/4	63,127	
1/2	1/2	151,537	1/2	140,457	1/2	129,377	1/2	118,296	1/2	107,216	1/2	96,136	1/2	85,056	1/2	73,976	1/2	62,896	
3/4	3/4	151,306	3/4	140,226	3/4	129,146	3/4	118,066	3/4	106,986	3/4	95,905	3/4	84,825	3/4	73,745	3/4	62,665	
6		6	151,075	6	139,995	6	128,915	6	117,835	6	106,755	6	95,675	6	84,594	6	73,514	6	62,434
1/4	1/4	150,844	1/4	139,764	1/4	128,684	1/4	117,604	1/4	106,524	1/4	95,444	1/4	84,364	1/4	73,284	1/4	62,203	
1/2	1/2	150,613	1/2	139,533	1/2	128,453	1/2	117,373	1/2	106,293	1/2	95,213	1/2	84,133	1/2	73,053	1/2	61,973	
3/4	3/4	150,383	3/4	139,303	3/4	128,222	3/4	117,142	3/4	106,062	3/4	94,982	3/4	83,902	3/4	72,822	3/4	61,742	
7		7	150,152	7	139,072	7	127,992	7	116,911	7	105,831	7	94,751	7	83,671	7	72,591	7	61,511
1/4	1/4	149,921	1/4	138,841	1/4	127,761	1/4	116,681	1/4	105,601	1/4	94,520	1/4	83,440	1/4	72,360	1/4	61,280	
1/2	1/2	149,690	1/2	138,610	1/2	127,530	1/2	116,450	1/2	105,370	1/2	94,290	1/2	83,209	1/2	72,129	1/2	61,049	
3/4	3/4	149,459	3/4	138,379	3/4	127,299	3/4	116,219	3/4	105,139	3/4	94,059	3/4	82,979	3/4	71,899	3/4	60,818	
8		8	149,228	8	138,148	8	127,068	8	115,988	8	104,908	8	93,828	8	82,748	8	71,668	8	60,588
1/4	1/4	148,998	1/4	137,917	1/4	126,837	1/4	115,757	1/4	104,677	1/4	93,597	1/4	82,517	1/4	71,437	1/4	60,357	
1/2	1/2	148,767	1/2	137,687	1/2	126,607	1/2	115,526	1/2	104,446	1/2	93,366	1/2	82,286	1/2	71,206	1/2	60,126	
3/4	3/4	148,536	3/4	137,456	3/4	126,376	3/4	115,296	3/4	104,215	3/4	93,135	3/4	82,055	3/4	70,975	3/4	59,895	
9		9	148,305	9	137,225	9	126,145	9	115,065	9	103,985	9	92,905	9	81,824	9	70,744	9	59,664
1/4	1/4	148,074	1/4	136,994	1/4	125,914	1/4	114,834	1/4	103,754	1/4	92,674	1/4	81,594	1/4	70,513	1/4	59,433	
1/2	1/2	147,843	1/2	136,763	1/2	125,683	1/2	114,603	1/2	103,523	1/2	92,443	1/2	81,363	1/2	70,283	1/2	59,203	
3/4	3/4	147,613	3/4	136,532	3/4	125,452	3/4	114,372	3/4	103,292	3/4	92,212	3/4	81,132	3/4	70,052	3/4	58,972	
10		10	147,382	10	136,302	10	125,222	10	114,141	10	103,061	10	91,981	10	80,901	10	69,821	10	58,741
1/4	1/4	147,151	1/4	136,071	1/4	124,991	1/4	113,911	1/4	102,830	1/4	91,750	1/4	80,670	1/4	69,590	1/4	58,510	
1/2	1/2	146,920	1/2	135,840	1/2	124,760	1/2	113,680	1/2	102,600	1/2	91,520	1/2	80,439	1/2	69,359	1/2	58,279	
3/4	3/4	146,689	3/4	135,609	3/4	124,529	3/4	113,449	3/4	102,369	3/4	91,289	3/4	80,209	3/4	69,128	3/4	58,048	
11		11	146,458	11	135,378	11	124,298	11	113,218	11	102,138	11	91,058	11	79,978	11	68,898	11	57,818
1/4	1/4	146,228	1/4	135,147	1/4	124,067	1/4	112,987	1/4	101,907	1/4	90,827	1/4	79,747	1/4	68,667	1/4	57,587	
1/2	1/2	145,997	1/2	134,917	1/2	123,837	1/2	112,756	1/2	101,676	1/2	90,596	1/2	79,516	1/2	68,436	1/2	57,356	
3/4	3/4	145,766	3/4	134,686	3/4	123,606	3/4	112,526	3/4	101,445	3/4	90,365	3/4	79,285	3/4	68,205	3/4	57,125	

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 INNAE 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
<http://www.pmacorp.net>



BARGE "IB 1082"

2 CENTER ULLAGE 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	56,894	0	45,814	0	34,750	0	23,906	0	12,827	0	1,754	0		0		0		0	
1/4	56,663	1/4	45,583	1/4	34,525	1/4	23,676	1/4	12,596	1/4	1,548	1/4		1/4		1/4		1/4	
1/2	56,433	1/2	45,352	1/2	34,300	1/2	23,445	1/2	12,365	1/2	1,342	1/2		1/2		1/2		1/2	
3/4	56,202	3/4	45,122	3/4	34,076	3/4	23,214	3/4	12,134	3/4	1,136	3/4		3/4		3/4		3/4	
1	55,971	1	44,891	1	33,851	1	22,983	1	11,903	1	930	1		1		1		1	
1/4	55,740	1/4	44,660	1/4	33,627	1/4	22,752	1/4	11,673	1/4	786	1/4		1/4		1/4		1/4	
1/2	55,509	1/2	44,429	1/2	33,402	1/2	22,521	1/2	11,442	1/2	642	1/2		1/2		1/2		1/2	
3/4	55,278	3/4	44,198	3/4	33,178	3/4	22,291	3/4	11,211	3/4	497	3/4		3/4		3/4		3/4	
2	55,048	2	43,967	2	32,953	2	22,060	2	10,980	2	353	2		2		2		2	
1/4	54,817	1/4	43,737	1/4	32,729	1/4	21,829	1/4	10,749	1/4	286	1/4		1/4		1/4		1/4	
1/2	54,586	1/2	43,506	1/2	32,504	1/2	21,598	1/2	10,518	1/2	219	1/2		1/2		1/2		1/2	
3/4	54,355	3/4	43,275	3/4	32,280	3/4	21,367	3/4	10,288	3/4	151	3/4		3/4		3/4		3/4	
3	54,124	3	43,044	3	32,055	3	21,136	3	10,057	3	84	3		3		3		3	
1/4	53,893	1/4	42,813	1/4	31,831	1/4	20,906	1/4	9,826	1/4		1/4		1/4		1/4		1/4	
1/2	53,662	1/2	42,582	1/2	31,606	1/2	20,675	1/2	9,595	1/2		1/2		1/2		1/2		1/2	
3/4	53,432	3/4	42,352	3/4	31,382	3/4	20,444	3/4	9,364	3/4		3/4		3/4		3/4		3/4	
4	53,201	4	42,121	4	31,157	4	20,213	4	9,133	4		4		4		4		4	
1/4	52,970	1/4	41,890	1/4	30,933	1/4	19,982	1/4	8,903	1/4		1/4		1/4		1/4		1/4	
1/2	52,739	1/2	41,659	1/2	30,708	1/2	19,751	1/2	8,672	1/2		1/2		1/2		1/2		1/2	
3/4	52,508	3/4	41,428	3/4	30,484	3/4	19,521	3/4	8,441	3/4		3/4		3/4		3/4		3/4	
5	52,277	5	41,197	5	30,259	5	19,290	5	8,210	5		5		5		5		5	
1/4	52,047	1/4	40,967	1/4	30,035	1/4	19,059	1/4	7,979	1/4		1/4		1/4		1/4		1/4	
1/2	51,816	1/2	40,736	1/2	29,810	1/2	18,828	1/2	7,749	1/2		1/2		1/2		1/2		1/2	
3/4	51,585	3/4	40,505	3/4	29,585	3/4	18,597	3/4	7,518	3/4		3/4		3/4		3/4		3/4	
6	51,354	6	40,274	6	29,361	6	18,367	6	7,287	6		6		6		6		6	
1/4	51,123	1/4	40,043	1/4	29,136	1/4	18,136	1/4	7,056	1/4		1/4		1/4		1/4		1/4	
1/2	50,892	1/2	39,812	1/2	28,912	1/2	17,905	1/2	6,825	1/2		1/2		1/2		1/2		1/2	
3/4	50,662	3/4	39,582	3/4	28,687	3/4	17,674	3/4	6,594	3/4		3/4		3/4		3/4		3/4	
7	50,431	7	39,351	7	28,463	7	17,443	7	6,364	7		7		7		7		7	
1/4	50,200	1/4	39,120	1/4	28,238	1/4	17,212	1/4	6,133	1/4		1/4		1/4		1/4		1/4	
1/2	49,969	1/2	38,889	1/2	28,014	1/2	16,982	1/2	5,902	1/2		1/2		1/2		1/2		1/2	
3/4	49,738	3/4	38,658	3/4	27,789	3/4	16,751	3/4	5,671	3/4		3/4		3/4		3/4		3/4	
8	49,507	8	38,427	8	27,565	8	16,520	8	5,440	8		8		8		8		8	
1/4	49,277	1/4	38,197	1/4	27,340	1/4	16,289	1/4	5,210	1/4		1/4		1/4		1/4		1/4	
1/2	49,046	1/2	37,966	1/2	27,116	1/2	16,058	1/2	4,979	1/2		1/2		1/2		1/2		1/2	
3/4	48,815	3/4	37,735	3/4	26,891	3/4	15,827	3/4	4,748	3/4		3/4		3/4		3/4		3/4	
9	48,584	9	37,504	9	26,667	9	15,597	9	4,517	9		9		9		9		9	
1/4	48,353	1/4	37,273	1/4	26,438	1/4	15,366	1/4	4,286	1/4		1/4		1/4		1/4		1/4	
1/2	48,122	1/2	37,042	1/2	26,210	1/2	15,135	1/2	4,056	1/2		1/2		1/2		1/2		1/2	
3/4	47,892	3/4	36,811	3/4	25,981	3/4	14,904	3/4	3,825	3/4		3/4		3/4		3/4		3/4	
10	47,661	10	36,581	10	25,753	10	14,673	10	3,594	10		10		10		10		10	
1/4	47,430	1/4	36,350	1/4	25,522	1/4	14,442	1/4	3,364	1/4		1/4		1/4		1/4		1/4	
1/2	47,199	1/2	36,119	1/2	25,291	1/2	14,212	1/2	3,133	1/2		1/2		1/2		1/2		1/2	
3/4	46,968	3/4	35,888	3/4	25,061	3/4	13,981	3/4	2,903	3/4		3/4		3/4		3/4		3/4	
11	46,737	11	35,657	11	24,830	11	13,750	11	2,672	11		11		11		11		11	
1/4	46,507	1/4	35,430	1/4	24,599	1/4	13,519	1/4	2,443	1/4		1/4		1/4		1/4		1/4	
1/2	46,276	1/2	35,203	1/2	24,368	1/2	13,288	1/2	2,213	1/2		1/2		1/2		1/2		1/2	
3/4	46,045	3/4	34,977	3/4	24,137	3/4	13,058	3/4	1,984	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.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "IB 1082"

3 CENTER ULLAGE 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		0	154,114	0	144,513	0	133,528	0	122,543	0	111,559	0	100,574	0	89,590	0	78,605	0	67,621
1/4	1/4	154,067	1/4	144,284	1/4	133,299	1/4	122,315	1/4	111,330	1/4	100,345	1/4	89,361	1/4	78,376	1/4	67,392	
1/2	1/2	154,020	1/2	144,055	1/2	133,070	1/2	122,086	1/2	111,101	1/2	100,117	1/2	89,132	1/2	78,147	1/2	67,163	
3/4	3/4	153,973	3/4	143,826	3/4	132,841	3/4	121,857	3/4	110,872	3/4	99,888	3/4	88,903	3/4	77,919	3/4	66,934	
1		1	153,926	1	143,597	1	132,613	1	121,628	1	110,643	1	99,659	1	88,674	1	77,690	1	66,705
1/4	1/4	153,811	1/4	143,368	1/4	132,384	1/4	121,399	1/4	110,415	1/4	99,430	1/4	88,445	1/4	77,461	1/4	66,476	
1/2	1/2	153,697	1/2	143,139	1/2	132,155	1/2	121,170	1/2	110,186	1/2	99,201	1/2	88,217	1/2	77,232	1/2	66,248	
3/4	3/4	153,582	3/4	142,911	3/4	131,926	3/4	120,941	3/4	109,957	3/4	98,972	3/4	87,988	3/4	77,003	3/4	66,019	
2		2	153,468	2	142,682	2	131,697	2	120,713	2	109,728	2	98,744	2	87,759	2	76,774	2	65,790
1/4	1/4	153,281	1/4	142,453	1/4	131,468	1/4	120,484	1/4	109,499	1/4	98,515	1/4	87,530	1/4	76,546	1/4	65,561	
1/2	1/2	153,095	1/2	142,224	1/2	131,240	1/2	120,255	1/2	109,270	1/2	98,286	1/2	87,301	1/2	76,317	1/2	65,332	
3/4	3/4	152,908	3/4	141,995	3/4	131,011	3/4	120,026	3/4	109,042	3/4	98,057	3/4	87,072	3/4	76,088	3/4	65,103	
3		3	152,721	3	141,766	3	130,782	3	119,797	3	108,813	3	97,828	3	86,844	3	75,859	3	64,874
1/4	1/4	152,499	1/4	141,538	1/4	130,553	1/4	119,568	1/4	108,584	1/4	97,599	1/4	86,615	1/4	75,630	1/4	64,646	
1/2	1/2	152,277	1/2	141,309	1/2	130,324	1/2	119,340	1/2	108,355	1/2	97,370	1/2	86,386	1/2	75,401	1/2	64,417	
3/4	3/4	152,055	3/4	141,080	3/4	130,095	3/4	119,111	3/4	108,126	3/4	97,142	3/4	86,157	3/4	75,172	3/4	64,188	
4		4	151,833	4	140,851	4	129,866	4	118,882	4	107,897	4	96,913	4	85,928	4	74,944	4	63,959
1/4	1/4	151,604	1/4	140,622	1/4	129,638	1/4	118,653	1/4	107,668	1/4	96,684	1/4	85,699	1/4	74,715	1/4	63,730	
1/2	1/2	151,376	1/2	140,393	1/2	129,409	1/2	118,424	1/2	107,440	1/2	96,455	1/2	85,471	1/2	74,486	1/2	63,501	
3/4	3/4	151,148	3/4	140,164	3/4	129,180	3/4	118,195	3/4	107,211	3/4	96,226	3/4	85,242	3/4	74,257	3/4	63,273	
5		5	150,920	5	139,936	5	128,951	5	117,967	5	106,982	5	95,997	5	85,013	5	74,028	5	63,044
1/4	1/4	150,691	1/4	139,707	1/4	128,722	1/4	117,738	1/4	106,753	1/4	95,769	1/4	84,784	1/4	73,799	1/4	62,815	
1/2	1/2	150,462	1/2	139,478	1/2	128,493	1/2	117,509	1/2	106,524	1/2	95,540	1/2	84,555	1/2	73,571	1/2	62,586	
3/4	3/4	150,234	3/4	139,249	3/4	128,265	3/4	117,280	3/4	106,295	3/4	95,311	3/4	84,326	3/4	73,342	3/4	62,357	
6		6	150,005	6	139,020	6	128,036	6	117,051	6	106,067	6	95,082	6	84,097	6	73,113	6	62,128
1/4	1/4	149,776	1/4	138,791	1/4	127,807	1/4	116,822	1/4	105,838	1/4	94,853	1/4	83,869	1/4	72,884	1/4	61,899	
1/2	1/2	149,547	1/2	138,563	1/2	127,578	1/2	116,593	1/2	105,609	1/2	94,624	1/2	83,640	1/2	72,655	1/2	61,671	
3/4	3/4	149,318	3/4	138,334	3/4	127,349	3/4	116,365	3/4	105,380	3/4	94,395	3/4	83,411	3/4	72,426	3/4	61,442	
7		7	149,089	7	138,105	7	127,120	7	116,136	7	105,151	7	94,167	7	83,182	7	72,198	7	61,213
1/4	1/4	148,861	1/4	137,876	1/4	126,891	1/4	115,907	1/4	104,922	1/4	93,938	1/4	82,953	1/4	71,969	1/4	60,984	
1/2	1/2	148,632	1/2	137,647	1/2	126,663	1/2	115,678	1/2	104,693	1/2	93,709	1/2	82,724	1/2	71,740	1/2	60,755	
3/4	3/4	148,403	3/4	137,418	3/4	126,434	3/4	115,449	3/4	104,465	3/4	93,480	3/4	82,496	3/4	71,511	3/4	60,526	
8		8	148,174	8	137,189	8	126,205	8	115,220	8	104,236	8	93,251	8	82,267	8	71,282	8	60,298
1/4	1/4	147,945	1/4	136,961	1/4	125,976	1/4	114,992	1/4	104,007	1/4	93,022	1/4	82,038	1/4	71,053	1/4	60,069	
1/2	1/2	147,716	1/2	136,732	1/2	125,747	1/2	114,763	1/2	103,778	1/2	92,794	1/2	81,809	1/2	70,824	1/2	59,840	
3/4	3/4	147,488	3/4	136,503	3/4	125,518	3/4	114,534	3/4	103,549	3/4	92,565	3/4	81,580	3/4	70,596	3/4	59,611	
9		9	147,259	9	136,274	9	125,290	9	114,305	9	103,320	9	92,336	9	81,351	9	70,367	9	59,382
1/4	1/4	147,030	1/4	136,045	1/4	125,061	1/4	114,076	1/4	103,092	1/4	92,107	1/4	81,122	1/4	70,138	1/4	59,153	
1/2	1/2	146,801	1/2	135,816	1/2	124,832	1/2	113,847	1/2	102,863	1/2	91,878	1/2	80,894	1/2	69,909	1/2	58,924	
3/4	3/4	146,572	3/4	135,588	3/4	124,603	3/4	113,618	3/4	102,634	3/4	91,649	3/4	80,665	3/4	69,680	3/4	58,696	
10		10	146,343	10	135,359	10	124,374	10	113,390	10	102,405	10	91,420	10	80,436	10	69,451	10	58,467
1/4	1/4	146,114	1/4	135,130	1/4	124,145	1/4	113,161	1/4	102,176	1/4	91,192	1/4	80,207	1/4	69,223	1/4	58,238	
1/2	1/2	145,886	1/2	134,901	1/2	123,916	1/2	112,932	1/2	101,947	1/2	90,963	1/2	79,978	1/2	68,994	1/2	58,009	
3/4	3/4	145,657	3/4	134,672	3/4	123,688	3/4	112,703	3/4	101,719	3/4	90,734	3/4	79,749	3/4	68,765	3/4	57,780	
11		11	145,428	11	134,443	11	123,459	11	112,474	11	101,490	11	90,505	11	79,521	11	68,536	11	57,551
1/4	1/4	145,199	1/4	134,214	1/4	123,230	1/4	112,245	1/4	101,261	1/4	90,276	1/4	79,292	1/4	68,307	1/4	57,323	
1/2	1/2	144,970	1/2	133,986	1/2	123,001	1/2	112,017	1/2	101,032	1/2	90,047	1/2	79,063	1/2	68,078	1/2	57,094	
3/4	3/4	144,741	3/4	133,757	3/4	122,772	3/4	111,788	3/4	100,803	3/4	89,819	3/4	78,834	3/4	67,849	3/4	56,865	

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 INNAE 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 ULLAGE 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	56,636	0	45,651	0	34,668	0	23,700	0	12,716	0	1,739	0		0		0		0	
1/4	56,407	1/4	45,423	1/4	34,439	1/4	23,471	1/4	12,487	1/4	1,535	1/4		1/4		1/4		1/4	
1/2	56,178	1/2	45,194	1/2	34,211	1/2	23,242	1/2	12,258	1/2	1,331	1/2		1/2		1/2		1/2	
3/4	55,950	3/4	44,965	3/4	33,983	3/4	23,014	3/4	12,029	3/4	1,126	3/4		3/4		3/4		3/4	
1	55,721	1	44,736	1	33,754	1	22,785	1	11,801	1	922	1		1		1		1	
1/4	55,492	1/4	44,507	1/4	33,526	1/4	22,556	1/4	11,572	1/4	779	1/4		1/4		1/4		1/4	
1/2	55,263	1/2	44,278	1/2	33,297	1/2	22,327	1/2	11,343	1/2	636	1/2		1/2		1/2		1/2	
3/4	55,034	3/4	44,050	3/4	33,069	3/4	22,098	3/4	11,114	3/4	493	3/4		3/4		3/4		3/4	
2	54,805	2	43,821	2	32,840	2	21,869	2	10,885	2	350	2		2		2		2	
1/4	54,576	1/4	43,592	1/4	32,612	1/4	21,641	1/4	10,656	1/4	283	1/4		1/4		1/4		1/4	
1/2	54,348	1/2	43,363	1/2	32,384	1/2	21,412	1/2	10,428	1/2	217	1/2		1/2		1/2		1/2	
3/4	54,119	3/4	43,134	3/4	32,155	3/4	21,183	3/4	10,199	3/4	150	3/4		3/4		3/4		3/4	
3	53,890	3	42,905	3	31,927	3	20,954	3	9,970	3	83	3		3		3		3	
1/4	53,661	1/4	42,676	1/4	31,698	1/4	20,725	1/4	9,741	1/4		1/4		1/4		1/4		1/4	
1/2	53,432	1/2	42,448	1/2	31,470	1/2	20,496	1/2	9,512	1/2		1/2		1/2		1/2		1/2	
3/4	53,203	3/4	42,219	3/4	31,242	3/4	20,268	3/4	9,283	3/4		3/4		3/4		3/4		3/4	
4	52,975	4	41,990	4	31,013	4	20,039	4	9,055	4		4		4		4		4	
1/4	52,746	1/4	41,761	1/4	30,785	1/4	19,810	1/4	8,826	1/4		1/4		1/4		1/4		1/4	
1/2	52,517	1/2	41,532	1/2	30,557	1/2	19,581	1/2	8,597	1/2		1/2		1/2		1/2		1/2	
3/4	52,288	3/4	41,303	3/4	30,328	3/4	19,352	3/4	8,368	3/4		3/4		3/4		3/4		3/4	
5	52,059	5	41,075	5	30,100	5	19,123	5	8,139	5		5		5		5		5	
1/4	51,830	1/4	40,846	1/4	29,871	1/4	18,895	1/4	7,910	1/4		1/4		1/4		1/4		1/4	
1/2	51,601	1/2	40,617	1/2	29,643	1/2	18,666	1/2	7,682	1/2		1/2		1/2		1/2		1/2	
3/4	51,373	3/4	40,388	3/4	29,415	3/4	18,437	3/4	7,453	3/4		3/4		3/4		3/4		3/4	
6	51,144	6	40,159	6	29,186	6	18,208	6	7,224	6		6		6		6		6	
1/4	50,915	1/4	39,930	1/4	28,958	1/4	17,979	1/4	6,995	1/4		1/4		1/4		1/4		1/4	
1/2	50,686	1/2	39,702	1/2	28,729	1/2	17,750	1/2	6,766	1/2		1/2		1/2		1/2		1/2	
3/4	50,457	3/4	39,473	3/4	28,501	3/4	17,522	3/4	6,538	3/4		3/4		3/4		3/4		3/4	
7	50,228	7	39,244	7	28,273	7	17,293	7	6,309	7		7		7		7		7	
1/4	50,000	1/4	39,015	1/4	28,044	1/4	17,064	1/4	6,080	1/4		1/4		1/4		1/4		1/4	
1/2	49,771	1/2	38,786	1/2	27,816	1/2	16,835	1/2	5,851	1/2		1/2		1/2		1/2		1/2	
3/4	49,542	3/4	38,557	3/4	27,587	3/4	16,606	3/4	5,622	3/4		3/4		3/4		3/4		3/4	
8	49,313	8	38,328	8	27,359	8	16,377	8	5,393	8		8		8		8		8	
1/4	49,084	1/4	38,100	1/4	27,131	1/4	16,149	1/4	5,165	1/4		1/4		1/4		1/4		1/4	
1/2	48,855	1/2	37,871	1/2	26,902	1/2	15,920	1/2	4,936	1/2		1/2		1/2		1/2		1/2	
3/4	48,626	3/4	37,642	3/4	26,674	3/4	15,691	3/4	4,707	3/4		3/4		3/4		3/4		3/4	
9	48,398	9	37,413	9	26,445	9	15,462	9	4,478	9		9		9		9		9	
1/4	48,169	1/4	37,184	1/4	26,217	1/4	15,233	1/4	4,249	1/4		1/4		1/4		1/4		1/4	
1/2	47,940	1/2	36,955	1/2	25,988	1/2	15,004	1/2	4,021	1/2		1/2		1/2		1/2		1/2	
3/4	47,711	3/4	36,727	3/4	25,759	3/4	14,776	3/4	3,792	3/4		3/4		3/4		3/4		3/4	
10	47,482	10	36,498	10	25,531	10	14,547	10	3,563	10		10		10		10		10	
1/4	47,253	1/4	36,269	1/4	25,302	1/4	14,318	1/4	3,334	1/4		1/4		1/4		1/4		1/4	
1/2	47,025	1/2	36,040	1/2	25,073	1/2	14,089	1/2	3,106	1/2		1/2		1/2		1/2		1/2	
3/4	46,796	3/4	35,811	3/4	24,844	3/4	13,860	3/4	2,877	3/4		3/4		3/4		3/4		3/4	
11	46,567	11	35,582	11	24,615	11	13,631	11	2,649	11		11		11		11		11	
1/4	46,338	1/4	35,354	1/4	24,387	1/4	13,403	1/4	2,422	1/4		1/4		1/4		1/4		1/4	
1/2	46,109	1/2	35,125	1/2	24,158	1/2	13,174	1/2	2,194	1/2		1/2		1/2		1/2		1/2	
3/4	45,880	3/4	34,897	3/4	23,929	3/4	12,945	3/4	1,967	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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