

# BARGE "IB 1980"

## 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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8
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	00-5/8	- 00-5/8	00-5/8	- 00-5/8
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8

(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)

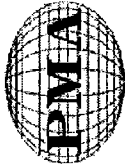
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS - 00-1/4"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 182'-09"

October 5, 2017

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

<http://www.pmacorp.net>



# BARGE "IB 1980"

# 1 CENTER ULLAGE TABLE

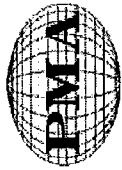
CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	146,852	0	139,066	0	131,281	0	122,076	0	110,047	0	98,028	0	86,010	0	73,991	0	73,991
1/4	1/4	1/4	146,690	1/4	138,904	1/4	131,119	1/4	121,825	1/4	109,797	1/4	97,778	1/4	85,760	1/4	73,741	1/4	73,741
1/2	1/2	1/2	146,527	1/2	138,742	1/2	130,956	1/2	121,574	1/2	109,546	1/2	97,528	1/2	85,509	1/2	73,490	1/2	73,490
3/4	3/4	3/4	146,365	3/4	138,580	3/4	130,794	3/4	121,323	3/4	109,296	3/4	97,277	3/4	85,259	3/4	73,240	3/4	73,240
1	1	1	146,203	1	138,417	1	130,632	1	121,073	1	109,046	1	97,027	1	85,009	1	72,990	1	72,990
1/4	1/4	1/4	146,041	1/4	138,255	1/4	130,470	1/4	120,822	1/4	108,795	1/4	96,777	1/4	84,758	1/4	72,739	1/4	72,739
1/2	1/2	1/2	145,879	1/2	138,093	1/2	130,308	1/2	120,671	1/2	108,545	1/2	96,526	1/2	84,508	1/2	72,489	1/2	72,489
3/4	3/4	3/4	145,716	3/4	137,931	3/4	130,145	3/4	120,520	3/4	108,294	3/4	96,276	3/4	84,257	3/4	72,239	3/4	72,239
2	2	2	145,554	2	137,769	2	129,983	2	120,069	2	108,044	2	96,025	2	84,007	2	71,988	2	71,988
1/4	1/4	1/4	145,392	1/4	137,606	1/4	129,821	1/4	119,818	1/4	107,794	1/4	95,775	1/4	83,757	1/4	71,738	1/4	71,738
1/2	1/2	1/2	145,230	1/2	137,444	1/2	129,659	1/2	119,667	1/2	107,543	1/2	95,525	1/2	83,506	1/2	71,487	1/2	71,487
3/4	3/4	3/4	145,068	3/4	137,282	3/4	129,497	3/4	119,516	3/4	107,293	3/4	95,274	3/4	83,256	3/4	71,237	3/4	71,237
3	3	3	144,905	3	137,120	3	129,334	3	119,065	3	107,043	3	95,024	3	83,005	3	70,987	3	70,987
1/4	1/4	1/4	144,743	1/4	136,958	1/4	129,172	1/4	118,815	1/4	106,792	1/4	94,774	1/4	82,755	1/4	70,736	1/4	70,736
1/2	1/2	1/2	144,581	1/2	136,795	1/2	129,010	1/2	118,664	1/2	106,542	1/2	94,523	1/2	82,505	1/2	70,486	1/2	70,486
3/4	3/4	3/4	144,419	3/4	136,633	3/4	128,848	3/4	118,313	3/4	106,291	3/4	94,273	3/4	82,254	3/4	70,235	3/4	70,235
4	4	4	144,257	4	136,471	4	128,686	4	118,062	4	106,041	4	94,023	4	82,004	4	69,985	4	69,985
1/4	1/4	1/4	144,094	1/4	136,309	1/4	128,523	1/4	117,811	1/4	105,791	1/4	93,772	1/4	81,754	1/4	69,735	1/4	69,735
1/2	1/2	1/2	143,932	1/2	136,147	1/2	128,361	1/2	117,560	1/2	105,540	1/2	93,522	1/2	81,503	1/2	69,484	1/2	69,484
3/4	3/4	3/4	143,770	3/4	135,985	3/4	128,199	3/4	117,309	3/4	105,290	3/4	93,271	3/4	81,253	3/4	69,234	3/4	69,234
5	5	5	143,608	5	135,822	5	128,037	5	117,058	5	105,039	5	93,021	5	81,002	5	68,983	5	68,983
1/4	1/4	1/4	143,446	1/4	135,660	1/4	127,875	1/4	116,808	1/4	104,789	1/4	92,771	1/4	80,752	1/4	68,733	1/4	68,733
1/2	1/2	1/2	143,283	1/2	135,498	1/2	127,712	1/2	116,558	1/2	104,539	1/2	92,520	1/2	80,502	1/2	68,483	1/2	68,483
3/4	3/4	3/4	143,121	3/4	135,336	3/4	127,550	3/4	116,307	3/4	104,288	3/4	92,270	3/4	80,251	3/4	68,232	3/4	68,232
6	6	6	142,959	6	135,174	6	127,388	6	116,057	6	104,038	6	92,020	6	80,001	6	67,982	6	67,982
1/4	1/4	1/4	142,797	1/4	135,011	1/4	127,226	1/4	115,806	1/4	103,787	1/4	91,769	1/4	79,750	1/4	67,732	1/4	67,732
1/2	1/2	1/2	142,635	1/2	134,849	1/2	127,064	1/2	115,556	1/2	103,537	1/2	91,519	1/2	79,500	1/2	67,482	1/2	67,482
3/4	3/4	3/4	142,472	3/4	134,687	3/4	126,901	3/4	115,306	3/4	103,287	3/4	91,268	3/4	79,250	3/4	67,232	3/4	67,232
7	7	7	142,310	7	134,525	7	126,739	7	115,055	7	103,036	7	91,018	7	78,999	7	66,983	7	66,983
1/4	1/4	1/4	142,148	1/4	134,363	1/4	126,577	1/4	114,805	1/4	102,786	1/4	90,768	1/4	78,749	1/4	66,733	1/4	66,733
1/2	1/2	1/2	141,986	1/2	134,201	1/2	126,415	1/2	114,554	1/2	102,535	1/2	90,517	1/2	78,498	1/2	66,483	1/2	66,483
3/4	3/4	3/4	141,824	3/4	134,038	3/4	126,253	3/4	114,304	3/4	102,285	3/4	90,267	3/4	78,248	3/4	66,233	3/4	66,233
8	8	8	141,661	8	133,876	8	126,090	8	114,054	8	102,035	8	90,017	8	77,998	8	65,983	8	65,983
1/4	1/4	1/4	141,499	1/4	133,714	1/4	125,928	1/4	113,803	1/4	101,784	1/4	89,766	1/4	77,747	1/4	65,734	1/4	65,734
1/2	1/2	1/2	141,337	1/2	133,552	1/2	125,766	1/2	113,553	1/2	101,534	1/2	89,516	1/2	77,497	1/2	65,484	1/2	65,484
3/4	3/4	3/4	141,175	3/4	133,389	3/4	125,604	3/4	113,302	3/4	101,283	3/4	89,265	3/4	77,246	3/4	65,234	3/4	65,234
9	9	9	141,013	9	133,227	9	125,442	9	113,052	9	101,033	9	89,015	9	76,996	9	64,984	9	64,984
1/4	1/4	1/4	140,850	1/4	133,065	1/4	125,280	1/4	112,802	1/4	100,783	1/4	88,765	1/4	76,746	1/4	64,734	1/4	64,734
1/2	1/2	1/2	140,688	1/2	132,903	1/2	125,118	1/2	112,551	1/2	100,532	1/2	88,514	1/2	76,495	1/2	64,485	1/2	64,485
3/4	3/4	3/4	140,526	3/4	132,741	3/4	124,954	3/4	112,301	3/4	100,282	3/4	88,264	3/4	76,245	3/4	64,235	3/4	64,235
10	10	10	140,364	10	132,578	10	124,793	10	112,050	10	100,031	10	88,013	10	75,994	10	63,985	10	63,985
1/4	1/4	1/4	140,202	1/4	132,416	1/4	124,631	1/4	111,800	1/4	99,781	1/4	87,763	1/4	75,744	1/4	63,735	1/4	63,735
1/2	1/2	1/2	140,039	1/2	132,254	1/2	124,469	1/2	111,550	1/2	99,531	1/2	87,513	1/2	75,494	1/2	63,486	1/2	63,486
3/4	3/4	3/4	139,877	3/4	132,092	3/4	124,307	3/4	111,299	3/4	99,280	3/4	87,265	3/4	75,243	3/4	63,236	3/4	63,236
11	11	11	139,715	11	131,930	11	124,145	11	111,049	11	99,030	11	87,012	11	74,993	11	62,986	11	62,986
1/4	1/4	1/4	139,553	1/4	131,767	1/4	123,982	1/4	110,798	1/4	98,780	1/4	86,761	1/4	74,742	1/4	62,736	1/4	62,736
1/2	1/2	1/2	139,391	1/2	131,605	1/2	123,820	1/2	110,548	1/2	98,529	1/2	86,514	1/2	74,492	1/2	62,486	1/2	62,486
3/4	3/4	3/4	139,228	3/4	131,443	3/4	123,658	3/4	110,298	3/4	98,279	3/4	86,261	3/4	74,242	3/4	62,237	3/4	62,237

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'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2082  
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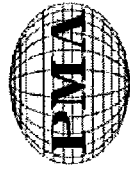
# 1 CENTER ULLAGE TABLE

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	WHOLE GALLONS	IN	WHOLE GALLONS	IN	WHOLE GALLONS	IN	WHOLE GALLONS	IN	WHOLE GALLONS	IN	WHOLE GALLONS	IN	WHOLE GALLONS	IN	WHOLE GALLONS	IN	WHOLE GALLONS	IN	WHOLE GALLONS
0	61,987	0	49,982	0	37,969	0	26,217	0	14,197	0	2,171	0	0	0	0	0	0	0	0
1/4	61,737	1/4	49,731	1/4	37,725	1/4	25,966	1/4	13,947	1/4	1,933	1/4	1,933	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,487	1/2	49,481	1/2	37,481	1/2	25,716	1/2	13,696	1/2	1,686	1/2	1,686	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,237	3/4	49,231	3/4	37,238	3/4	25,465	3/4	13,445	3/4	1,438	3/4	1,438	3/4	3/4	3/4	3/4	3/4	3/4
1	60,988	1	48,981	1	36,994	1	25,215	1	13,195	1	1,220	1	1,220	1	1	1	1	1	1
1/4	60,738	1/4	48,730	1/4	36,750	1/4	24,945	1/4	12,945	1/4	1,066	1/4	1,066	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,488	1/2	48,480	1/2	36,506	1/2	24,714	1/2	12,695	1/2	891	1/2	891	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,238	3/4	48,230	3/4	36,263	3/4	24,464	3/4	12,444	3/4	727	3/4	727	3/4	3/4	3/4	3/4	3/4	3/4
2	59,988	2	47,979	2	36,019	2	24,213	2	12,194	2	562	2	562	2	2	2	2	2	2
1/4	59,739	1/4	47,729	1/4	35,775	1/4	23,963	1/4	11,943	1/4	470	1/4	470	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,489	1/2	47,479	1/2	35,531	1/2	23,713	1/2	11,693	1/2	378	1/2	378	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,239	3/4	47,229	3/4	35,288	3/4	23,462	3/4	11,443	3/4	286	3/4	286	3/4	3/4	3/4	3/4	3/4	3/4
3	58,989	3	46,978	3	35,044	3	23,212	3	11,192	3	194	3	194	3	3	3	3	3	3
1/4	58,739	1/4	46,728	1/4	34,800	1/4	22,961	1/4	10,942	1/4	152	1/4	152	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,489	1/2	46,478	1/2	34,556	1/2	22,711	1/2	10,691	1/2	110	1/2	110	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,239	3/4	46,228	3/4	34,313	3/4	22,460	3/4	10,441	3/4	68	3/4	68	3/4	3/4	3/4	3/4	3/4	3/4
4	57,990	4	45,977	4	34,069	4	22,210	4	10,191	4	26	4	26	4	4	4	4	4	4
1/4	57,740	1/4	45,727	1/4	33,825	1/4	21,960	1/4	9,940	1/4	11	1/4	11	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,490	1/2	45,477	1/2	33,582	1/2	21,709	1/2	9,690	1/2	1	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,239	3/4	45,227	3/4	33,338	3/4	21,459	3/4	9,439	3/4	1	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
5	56,989	5	44,976	5	33,094	5	21,208	5	9,189	5	5	5	5	5	5	5	5	5	5
1/4	56,739	1/4	44,726	1/4	32,850	1/4	20,958	1/4	8,938	1/4	1	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,488	1/2	44,476	1/2	32,607	1/2	20,708	1/2	8,688	1/2	1	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,238	3/4	44,226	3/4	32,363	3/4	20,457	3/4	8,437	3/4	1	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
6	55,988	6	43,975	6	32,119	6	20,207	6	8,186	6	6	6	6	6	6	6	6	6	6
1/4	55,738	1/4	43,725	1/4	31,876	1/4	19,956	1/4	7,936	1/4	1	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,487	1/2	43,475	1/2	31,632	1/2	19,706	1/2	7,685	1/2	1	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,237	3/4	43,224	3/4	31,388	3/4	19,456	3/4	7,434	3/4	1	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
7	54,987	7	42,974	7	31,144	7	19,205	7	7,184	7	7	7	7	7	7	7	7	7	7
1/4	54,737	1/4	42,724	1/4	30,901	1/4	18,955	1/4	6,933	1/4	1	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,486	1/2	42,474	1/2	30,657	1/2	18,704	1/2	6,683	1/2	1	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,236	3/4	42,223	3/4	30,413	3/4	18,454	3/4	6,432	3/4	1	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
8	53,986	8	41,973	8	30,170	8	18,204	8	6,182	8	8	8	8	8	8	8	8	8	8
1/4	53,736	1/4	41,723	1/4	29,926	1/4	17,953	1/4	5,931	1/4	1	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,485	1/2	41,473	1/2	29,682	1/2	17,703	1/2	5,680	1/2	1	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,235	3/4	41,222	3/4	29,438	3/4	17,452	3/4	5,429	3/4	1	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
9	52,985	9	40,972	9	29,195	9	17,202	9	5,179	9	9	9	9	9	9	9	9	9	9
1/4	52,734	1/4	40,722	1/4	28,951	1/4	16,952	1/4	4,928	1/4	1	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,484	1/2	40,471	1/2	28,707	1/2	16,701	1/2	4,677	1/2	1	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,234	3/4	40,221	3/4	28,463	3/4	16,451	3/4	4,426	3/4	1	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
10	51,984	10	39,971	10	28,220	10	16,200	10	4,175	10	10	10	10	10	10	10	10	10	10
1/4	51,733	1/4	39,721	1/4	27,969	1/4	15,950	1/4	3,924	1/4	1	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,483	1/2	39,470	1/2	27,719	1/2	15,700	1/2	3,674	1/2	1	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,233	3/4	39,220	3/4	27,469	3/4	15,449	3/4	3,423	3/4	1	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4
11	50,983	11	38,970	11	27,218	11	15,199	11	3,172	11	11	11	11	11	11	11	11	11	11
1/4	50,732	1/4	38,720	1/4	26,968	1/4	14,948	1/4	2,922	1/4	1	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,482	1/2	38,469	1/2	26,717	1/2	14,698	1/2	2,671	1/2	1	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,232	3/4	38,219	3/4	26,467	3/4	14,448	3/4	2,421	3/4	1	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL  
 CALCULATED: 10/05/2017 CL  
 PRINTED: 10/05/2017 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 10/2017

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



# BARGE "IB 1980"

## 2 CENTER ULLAGE TABLE

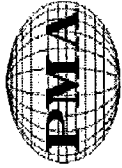
CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	161,370	0	151,062	0	139,532	0	128,003	0	116,473	0	104,943	0	93,413	0	81,883	0	70,353	0
1/4	1/4	161,310	1/4	150,822	1/4	139,292	1/4	127,762	1/4	116,232	1/4	104,702	1/4	93,172	1/4	81,642	1/4	70,112	1/4
1/2	1/2	161,250	1/2	150,582	1/2	139,052	1/2	127,522	1/2	115,992	1/2	104,462	1/2	92,932	1/2	81,402	1/2	69,872	1/2
3/4	3/4	161,190	3/4	150,342	3/4	138,812	3/4	127,282	3/4	115,752	3/4	104,222	3/4	92,692	3/4	81,162	3/4	69,632	3/4
1	1	161,130	1	150,102	1	138,572	1	127,042	1	115,512	1	103,982	1	92,452	1	80,922	1	69,392	1
1/4	1/4	160,990	1/4	149,861	1/4	138,331	1/4	126,801	1/4	115,271	1/4	103,742	1/4	92,212	1/4	80,682	1/4	69,152	1/4
1/2	1/2	160,850	1/2	149,621	1/2	138,091	1/2	126,561	1/2	115,031	1/2	103,501	1/2	91,971	1/2	80,441	1/2	68,911	1/2
3/4	3/4	160,709	3/4	149,381	3/4	137,851	3/4	126,321	3/4	114,791	3/4	103,261	3/4	91,731	3/4	80,201	3/4	68,671	3/4
2	2	160,569	2	149,141	2	137,611	2	126,081	2	114,551	2	103,021	2	91,491	2	79,961	2	68,431	2
1/4	1/4	160,352	1/4	148,901	1/4	137,371	1/4	125,841	1/4	114,311	1/4	102,781	1/4	91,251	1/4	79,721	1/4	68,191	1/4
1/2	1/2	160,136	1/2	148,660	1/2	137,130	1/2	125,600	1/2	114,070	1/2	102,540	1/2	91,010	1/2	79,481	1/2	67,951	1/2
3/4	3/4	159,919	3/4	148,420	3/4	136,890	3/4	125,360	3/4	113,830	3/4	102,300	3/4	90,770	3/4	79,240	3/4	67,710	3/4
3	3	159,702	3	148,180	3	136,650	3	125,120	3	113,590	3	102,060	3	90,530	3	79,000	3	67,470	3
1/4	1/4	159,483	1/4	147,940	1/4	136,410	1/4	124,880	1/4	113,350	1/4	101,820	1/4	90,290	1/4	78,760	1/4	67,230	1/4
1/2	1/2	159,225	1/2	147,700	1/2	136,170	1/2	124,640	1/2	113,110	1/2	101,580	1/2	90,050	1/2	78,520	1/2	66,990	1/2
3/4	3/4	158,986	3/4	147,459	3/4	135,929	3/4	124,399	3/4	112,869	3/4	101,339	3/4	89,809	3/4	78,279	3/4	66,749	3/4
4	4	158,747	4	147,219	4	135,689	4	124,159	4	112,629	4	101,099	4	89,569	4	78,039	4	66,509	4
1/4	1/4	158,508	1/4	146,979	1/4	135,449	1/4	123,919	1/4	112,389	1/4	100,859	1/4	89,329	1/4	77,799	1/4	66,269	1/4
1/2	1/2	158,268	1/2	146,739	1/2	135,209	1/2	123,679	1/2	112,149	1/2	100,619	1/2	89,089	1/2	77,559	1/2	66,029	1/2
3/4	3/4	158,028	3/4	146,499	3/4	134,969	3/4	123,439	3/4	111,909	3/4	100,379	3/4	88,849	3/4	77,319	3/4	65,789	3/4
5	5	157,788	5	146,258	5	134,728	5	123,198	5	111,668	5	100,138	5	88,608	5	77,078	5	65,548	5
1/4	1/4	157,548	1/4	146,018	1/4	134,488	1/4	122,958	1/4	111,428	1/4	99,898	1/4	88,368	1/4	76,838	1/4	65,308	1/4
1/2	1/2	157,308	1/2	145,778	1/2	134,248	1/2	122,718	1/2	111,188	1/2	99,658	1/2	88,128	1/2	76,598	1/2	65,068	1/2
3/4	3/4	157,068	3/4	145,538	3/4	134,008	3/4	122,478	3/4	110,948	3/4	99,418	3/4	87,888	3/4	76,358	3/4	64,828	3/4
6	6	156,827	6	145,297	6	133,767	6	122,238	6	110,708	6	99,178	6	87,648	6	76,118	6	64,588	6
1/4	1/4	156,587	1/4	145,057	1/4	133,527	1/4	121,997	1/4	110,467	1/4	98,937	1/4	87,407	1/4	75,877	1/4	64,347	1/4
1/2	1/2	156,347	1/2	144,817	1/2	133,287	1/2	121,757	1/2	110,227	1/2	98,697	1/2	87,167	1/2	75,637	1/2	64,107	1/2
3/4	3/4	156,107	3/4	144,577	3/4	133,047	3/4	121,517	3/4	109,987	3/4	98,457	3/4	86,927	3/4	75,397	3/4	63,867	3/4
7	7	155,867	7	144,337	7	132,807	7	121,277	7	109,747	7	98,217	7	86,687	7	75,157	7	63,627	7
1/4	1/4	155,626	1/4	144,096	1/4	132,566	1/4	121,036	1/4	109,506	1/4	97,977	1/4	86,447	1/4	74,917	1/4	63,387	1/4
1/2	1/2	155,386	1/2	143,856	1/2	132,326	1/2	120,796	1/2	109,266	1/2	97,736	1/2	86,206	1/2	74,676	1/2	63,146	1/2
3/4	3/4	155,146	3/4	143,616	3/4	132,086	3/4	120,556	3/4	109,026	3/4	97,496	3/4	85,966	3/4	74,436	3/4	62,906	3/4
8	8	154,906	8	143,376	8	131,846	8	120,316	8	108,786	8	97,256	8	85,726	8	74,196	8	62,666	8
1/4	1/4	154,666	1/4	143,136	1/4	131,606	1/4	120,076	1/4	108,546	1/4	97,016	1/4	85,486	1/4	73,956	1/4	62,426	1/4
1/2	1/2	154,426	1/2	142,896	1/2	131,366	1/2	119,836	1/2	108,306	1/2	96,776	1/2	85,246	1/2	73,716	1/2	62,186	1/2
3/4	3/4	154,185	3/4	142,655	3/4	131,125	3/4	119,595	3/4	108,065	3/4	96,535	3/4	85,005	3/4	73,475	3/4	61,945	3/4
9	9	153,945	9	142,415	9	130,885	9	119,355	9	107,825	9	96,295	9	84,765	9	73,235	9	61,705	9
1/4	1/4	153,705	1/4	142,175	1/4	130,645	1/4	119,115	1/4	107,585	1/4	96,055	1/4	84,525	1/4	72,995	1/4	61,465	1/4
1/2	1/2	153,465	1/2	141,935	1/2	130,405	1/2	118,875	1/2	107,345	1/2	95,815	1/2	84,285	1/2	72,755	1/2	61,225	1/2
3/4	3/4	153,224	3/4	141,694	3/4	130,164	3/4	118,634	3/4	107,104	3/4	95,574	3/4	84,044	3/4	72,514	3/4	60,985	3/4
10	10	152,984	10	141,454	10	129,924	10	118,394	10	106,864	10	95,334	10	83,804	10	72,274	10	60,744	10
1/4	1/4	152,744	1/4	141,214	1/4	129,684	1/4	118,154	1/4	106,624	1/4	95,094	1/4	83,564	1/4	72,034	1/4	60,504	1/4
1/2	1/2	152,504	1/2	140,974	1/2	129,444	1/2	117,914	1/2	106,384	1/2	94,854	1/2	83,324	1/2	71,794	1/2	60,264	1/2
3/4	3/4	152,264	3/4	140,734	3/4	129,204	3/4	117,674	3/4	106,144	3/4	94,614	3/4	83,084	3/4	71,554	3/4	60,024	3/4
11	11	152,023	11	140,493	11	128,963	11	117,433	11	105,903	11	94,373	11	82,843	11	71,313	11	59,783	11
1/4	1/4	151,783	1/4	140,253	1/4	128,723	1/4	117,193	1/4	105,663	1/4	94,133	1/4	82,603	1/4	71,073	1/4	59,543	1/4
1/2	1/2	151,543	1/2	140,013	1/2	128,483	1/2	116,953	1/2	105,423	1/2	93,893	1/2	82,363	1/2	70,833	1/2	59,303	1/2
3/4	3/4	151,303	3/4	139,773	3/4	128,243	3/4	116,713	3/4	105,183	3/4	93,653	3/4	82,123	3/4	70,593	3/4	59,063	3/4

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.  
 P.O. Box 2092  
 Pearland, Texas 77568  
<http://www.pmaacorp.net>



# BARGE "IB 1980"

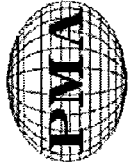
## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS		GAUGE HEIGHT 15'-03"																				
IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.	IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.	
0	56,823	0	35,791	0	24,515	0	12,985	0	1,467	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	58,582	1/4	35,557	1/4	24,275	1/4	12,745	1/4	1,267	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,342	1/2	35,324	1/2	24,035	1/2	12,505	1/2	1,067	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,102	3/4	35,091	3/4	23,794	3/4	12,265	3/4	867	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	57,862	1	34,858	1	23,554	1	12,025	1	667	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	57,622	1/4	34,625	1/4	23,314	1/4	11,784	1/4	547	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,381	1/2	34,392	1/2	23,074	1/2	11,544	1/2	427	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,141	3/4	34,158	3/4	22,834	3/4	11,304	3/4	306	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	56,901	2	33,925	2	22,593	2	11,064	2	186	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	56,661	1/4	33,692	1/4	22,353	1/4	10,824	1/4	146	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,421	1/2	33,459	1/2	22,113	1/2	10,583	1/2	106	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,180	3/4	33,226	3/4	21,873	3/4	10,343	3/4	66	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	55,940	3	32,993	3	21,633	3	10,103	3	26	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	55,700	1/4	32,760	1/4	21,392	1/4	9,863	1/4	14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,460	1/2	32,526	1/2	21,152	1/2	9,623	1/2	12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,220	3/4	32,293	3/4	20,912	3/4	9,382	3/4	12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	54,979	4	32,060	4	20,672	4	9,142	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	54,739	1/4	31,827	1/4	20,432	1/4	8,902	1/4	14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,499	1/2	31,594	1/2	20,191	1/2	8,662	1/2	12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,259	3/4	31,361	3/4	19,951	3/4	8,422	3/4	12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	54,018	5	31,128	5	19,711	5	8,181	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	53,778	1/4	30,894	1/4	19,471	1/4	7,941	1/4	14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,538	1/2	30,661	1/2	19,231	1/2	7,701	1/2	12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,298	3/4	30,428	3/4	18,990	3/4	7,461	3/4	12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	53,058	6	30,195	6	18,750	6	7,221	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	52,817	1/4	29,962	1/4	18,510	1/4	6,980	1/4	14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,577	1/2	29,729	1/2	18,270	1/2	6,740	1/2	12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,337	3/4	29,496	3/4	18,030	3/4	6,500	3/4	12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	52,097	7	29,262	7	17,789	7	6,260	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	51,857	1/4	29,029	1/4	17,549	1/4	6,020	1/4	14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,616	1/2	28,796	1/2	17,309	1/2	5,780	1/2	12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,376	3/4	28,563	3/4	17,069	3/4	5,539	3/4	12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	51,136	8	28,330	8	16,829	8	5,299	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	50,896	1/4	28,097	1/4	16,588	1/4	5,059	1/4	14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,656	1/2	27,864	1/2	16,348	1/2	4,819	1/2	12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,415	3/4	27,630	3/4	16,108	3/4	4,579	3/4	12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	50,175	9	27,397	9	15,868	9	4,338	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	49,935	1/4	27,164	1/4	15,628	1/4	4,098	1/4	14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,695	1/2	26,931	1/2	15,387	1/2	3,858	1/2	12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,455	3/4	26,697	3/4	15,147	3/4	3,618	3/4	12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	49,214	10	26,464	10	14,907	10	3,378	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	48,974	1/4	26,231	1/4	14,667	1/4	3,138	1/4	14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,734	1/2	25,998	1/2	14,427	1/2	2,899	1/2	12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,494	3/4	25,766	3/4	14,186	3/4	2,659	3/4	12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	48,253	11	25,533	11	13,946	11	2,420	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	48,013	1/4	25,300	1/4	13,706	1/4	2,181	1/4	14	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,773	1/2	25,067	1/2	13,466	1/2	1,943	1/2	12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,533	3/4	24,834	3/4	13,226	3/4	1,705	3/4	12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL  
 CALCULATED: 10/05/2017 CL  
 PRINTED: 10/05/2017 CL  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 10/2017

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



# BARGE "IB 1980"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

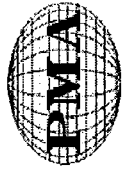
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	160,408	0	150,408	0	138,966	0	127,524	0	116,082	0	104,640	0	93,198	0	81,757	0	70,315	0
1/4	1/4	160,398	1/4	150,169	1/4	138,727	1/4	127,286	1/4	115,844	1/4	104,402	1/4	92,960	1/4	81,519	1/4	70,077	1/4
1/2	1/2	160,338	1/2	149,931	1/2	138,489	1/2	127,047	1/2	115,605	1/2	104,164	1/2	92,722	1/2	81,280	1/2	69,838	1/2
3/4	3/4	160,279	3/4	149,692	3/4	138,251	3/4	126,809	3/4	115,367	3/4	103,925	3/4	92,484	3/4	81,042	3/4	69,600	3/4
1	1	160,219	1	149,454	1	138,012	1	126,571	1	115,129	1	103,687	1	92,245	1	80,803	1	69,362	1
1/4	1/4	160,159	1/4	149,216	1/4	137,774	1/4	126,332	1/4	114,890	1/4	103,449	1/4	92,007	1/4	80,565	1/4	69,123	1/4
1/2	1/2	160,020	1/2	148,977	1/2	137,536	1/2	126,094	1/2	114,652	1/2	103,210	1/2	91,768	1/2	80,327	1/2	68,885	1/2
3/4	3/4	159,881	3/4	148,739	3/4	137,297	3/4	125,855	3/4	114,414	3/4	102,972	3/4	91,530	3/4	80,088	3/4	68,647	3/4
2	2	159,742	2	148,501	2	137,059	2	125,617	2	114,175	2	102,734	2	91,292	2	79,850	2	68,408	2
1/4	1/4	159,603	1/4	148,262	1/4	136,820	1/4	125,379	1/4	113,937	1/4	102,495	1/4	91,053	1/4	79,612	1/4	68,170	1/4
1/2	1/2	159,388	1/2	148,024	1/2	136,582	1/2	125,140	1/2	113,699	1/2	102,257	1/2	90,815	1/2	79,373	1/2	67,931	1/2
3/4	3/4	159,173	3/4	147,785	3/4	136,344	3/4	124,902	3/4	113,460	3/4	102,018	3/4	90,577	3/4	79,135	3/4	67,693	3/4
3	3	158,958	3	147,547	3	136,105	3	124,664	3	113,222	3	101,780	3	90,338	3	78,897	3	67,455	3
1/4	1/4	158,743	1/4	147,309	1/4	135,867	1/4	124,425	1/4	112,983	1/4	101,542	1/4	90,100	1/4	78,658	1/4	67,216	1/4
1/2	1/2	158,506	1/2	147,070	1/2	135,629	1/2	124,187	1/2	112,745	1/2	101,303	1/2	89,862	1/2	78,420	1/2	66,978	1/2
3/4	3/4	158,269	3/4	146,832	3/4	135,390	3/4	123,948	3/4	112,507	3/4	101,065	3/4	89,623	3/4	78,181	3/4	66,740	3/4
4	4	158,032	4	146,594	4	135,152	4	123,710	4	112,268	4	100,827	4	89,385	4	77,943	4	66,501	4
1/4	1/4	157,795	1/4	146,355	1/4	134,913	1/4	123,472	1/4	112,030	1/4	100,588	1/4	89,146	1/4	77,705	1/4	66,263	1/4
1/2	1/2	157,557	1/2	146,117	1/2	134,675	1/2	123,233	1/2	111,792	1/2	100,350	1/2	88,908	1/2	77,466	1/2	66,025	1/2
3/4	3/4	157,319	3/4	145,878	3/4	134,437	3/4	122,995	3/4	111,553	3/4	100,111	3/4	88,670	3/4	77,228	3/4	65,786	3/4
5	5	157,081	5	145,640	5	134,198	5	122,757	5	111,315	5	99,873	5	88,431	5	76,990	5	65,548	5
1/4	1/4	156,843	1/4	145,402	1/4	133,960	1/4	122,518	1/4	111,076	1/4	99,635	1/4	88,193	1/4	76,751	1/4	65,309	1/4
1/2	1/2	156,605	1/2	145,163	1/2	133,722	1/2	122,280	1/2	110,838	1/2	99,396	1/2	87,955	1/2	76,513	1/2	65,071	1/2
3/4	3/4	156,367	3/4	144,925	3/4	133,483	3/4	122,041	3/4	110,600	3/4	99,158	3/4	87,716	3/4	76,274	3/4	64,833	3/4
6	6	156,128	6	144,687	6	133,245	6	121,803	6	110,361	6	98,920	6	87,478	6	76,036	6	64,594	6
1/4	1/4	155,890	1/4	144,448	1/4	133,006	1/4	121,565	1/4	110,123	1/4	98,681	1/4	87,239	1/4	75,798	1/4	64,356	1/4
1/2	1/2	155,652	1/2	144,210	1/2	132,768	1/2	121,326	1/2	109,885	1/2	98,443	1/2	87,001	1/2	75,559	1/2	64,118	1/2
3/4	3/4	155,413	3/4	143,972	3/4	132,530	3/4	121,088	3/4	109,646	3/4	98,204	3/4	86,763	3/4	75,321	3/4	63,879	3/4
7	7	155,175	7	143,733	7	132,291	7	120,850	7	109,408	7	97,966	7	86,524	7	75,083	7	63,641	7
1/4	1/4	154,937	1/4	143,495	1/4	132,053	1/4	120,611	1/4	109,169	1/4	97,728	1/4	86,286	1/4	74,844	1/4	63,402	1/4
1/2	1/2	154,698	1/2	143,256	1/2	131,815	1/2	120,373	1/2	108,931	1/2	97,489	1/2	86,048	1/2	74,606	1/2	63,164	1/2
3/4	3/4	154,460	3/4	143,018	3/4	131,576	3/4	120,135	3/4	108,693	3/4	97,251	3/4	85,809	3/4	74,367	3/4	62,926	3/4
8	8	154,221	8	142,780	8	131,338	8	119,898	8	108,454	8	97,013	8	85,571	8	74,129	8	62,687	8
1/4	1/4	153,983	1/4	142,541	1/4	131,100	1/4	119,658	1/4	108,216	1/4	96,774	1/4	85,332	1/4	73,891	1/4	62,449	1/4
1/2	1/2	153,745	1/2	142,303	1/2	130,861	1/2	119,419	1/2	107,978	1/2	96,536	1/2	85,094	1/2	73,652	1/2	62,211	1/2
3/4	3/4	153,506	3/4	142,065	3/4	130,623	3/4	119,181	3/4	107,739	3/4	96,298	3/4	84,856	3/4	73,414	3/4	61,972	3/4
9	9	153,268	9	141,826	9	130,384	9	118,943	9	107,501	9	96,059	9	84,617	9	73,176	9	61,734	9
1/4	1/4	153,030	1/4	141,588	1/4	130,146	1/4	118,704	1/4	107,263	1/4	95,821	1/4	84,379	1/4	72,937	1/4	61,495	1/4
1/2	1/2	152,791	1/2	141,349	1/2	129,908	1/2	118,466	1/2	107,024	1/2	95,582	1/2	84,141	1/2	72,699	1/2	61,257	1/2
3/4	3/4	152,553	3/4	141,111	3/4	129,669	3/4	118,228	3/4	106,786	3/4	95,344	3/4	83,902	3/4	72,461	3/4	61,019	3/4
10	10	152,314	10	140,873	10	129,431	10	117,989	10	106,547	10	95,106	10	83,664	10	72,222	10	60,780	10
1/4	1/4	152,076	1/4	140,634	1/4	129,193	1/4	117,751	1/4	106,309	1/4	94,867	1/4	83,426	1/4	71,984	1/4	60,542	1/4
1/2	1/2	151,838	1/2	140,396	1/2	128,954	1/2	117,512	1/2	106,070	1/2	94,629	1/2	83,187	1/2	71,745	1/2	60,304	1/2
3/4	3/4	151,599	3/4	140,158	3/4	128,716	3/4	117,274	3/4	105,832	3/4	94,391	3/4	82,949	3/4	71,507	3/4	60,065	3/4
11	11	151,361	11	139,919	11	128,477	11	117,036	11	105,594	11	94,152	11	82,710	11	71,269	11	59,827	11
1/4	1/4	151,123	1/4	139,681	1/4	128,239	1/4	116,797	1/4	105,356	1/4	93,914	1/4	82,472	1/4	71,030	1/4	59,589	1/4
1/2	1/2	150,884	1/2	139,442	1/2	128,001	1/2	116,559	1/2	105,117	1/2	93,675	1/2	82,234	1/2	70,792	1/2	59,350	1/2
3/4	3/4	150,646	3/4	139,204	3/4	127,762	3/4	116,321	3/4	104,879	3/4	93,437	3/4	81,995	3/4	70,554	3/4	59,112	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPIMS 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'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "IB 1980"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	58,873	0	47,432	0	35,991	0	24,566	0	13,125	0	1,692	0	0	0	0	0	0	0	0	
1/4	58,635	1/4	47,193	1/4	35,753	1/4	24,328	1/4	12,886	1/4	1,456	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	58,397	1/2	46,955	1/2	35,515	1/2	24,089	1/2	12,648	1/2	1,257	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	58,158	3/4	46,717	3/4	35,277	3/4	23,851	3/4	12,410	3/4	1,059	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
1	57,920	1	46,478	1	35,039	1	23,612	1	12,171	1	860	1	1	1	1	1	1	1	1	
1/4	57,682	1/4	46,240	1/4	34,801	1/4	23,374	1/4	11,933	1/4	662	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	57,443	1/2	46,001	1/2	34,563	1/2	23,136	1/2	11,694	1/2	543	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	57,205	3/4	45,763	3/4	34,325	3/4	22,897	3/4	11,456	3/4	424	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
2	56,966	2	45,525	2	34,087	2	22,659	2	11,218	2	304	2	2	2	2	2	2	2	2	
1/4	56,728	1/4	45,286	1/4	33,850	1/4	22,421	1/4	10,979	1/4	185	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	56,490	1/2	45,048	1/2	33,612	1/2	22,182	1/2	10,741	1/2	145	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	56,251	3/4	44,810	3/4	33,374	3/4	21,944	3/4	10,503	3/4	106	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
3	56,013	3	44,571	3	33,136	3	21,706	3	10,264	3	66	3	3	3	3	3	3	3	3	
1/4	55,775	1/4	44,333	1/4	32,898	1/4	21,467	1/4	10,026	1/4	26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	55,536	1/2	44,094	1/2	32,660	1/2	21,229	1/2	9,788	1/2	11	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	55,298	3/4	43,856	3/4	32,422	3/4	20,991	3/4	9,549	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
4	55,060	4	43,618	4	32,184	4	20,752	4	9,311	4	1	4	4	4	4	4	4	4	4	
1/4	54,821	1/4	43,379	1/4	31,946	1/4	20,514	1/4	9,072	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	54,583	1/2	43,141	1/2	31,708	1/2	20,275	1/2	8,834	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	54,344	3/4	42,903	3/4	31,470	3/4	20,037	3/4	8,596	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
5	54,106	5	42,664	5	31,232	5	19,799	5	8,357	5	1	5	5	5	5	5	5	5	5	
1/4	53,868	1/4	42,426	1/4	30,995	1/4	19,560	1/4	8,119	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	53,629	1/2	42,188	1/2	30,757	1/2	19,322	1/2	7,881	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	53,391	3/4	41,949	3/4	30,519	3/4	19,084	3/4	7,642	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
6	53,153	6	41,711	6	30,281	6	18,845	6	7,404	6	1	6	6	6	6	6	6	6	6	
1/4	52,914	1/4	41,472	1/4	30,043	1/4	18,607	1/4	7,166	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	52,676	1/2	41,234	1/2	29,805	1/2	18,369	1/2	6,927	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	52,437	3/4	40,996	3/4	29,567	3/4	18,130	3/4	6,689	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
7	52,199	7	40,757	7	29,329	7	17,892	7	6,451	7	1	7	7	7	7	7	7	7	7	
1/4	51,961	1/4	40,519	1/4	29,091	1/4	17,653	1/4	6,212	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	51,722	1/2	40,281	1/2	28,853	1/2	17,415	1/2	5,974	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	51,484	3/4	40,042	3/4	28,615	3/4	17,177	3/4	5,736	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
8	51,246	8	39,804	8	28,377	8	16,938	8	5,498	8	1	8	8	8	8	8	8	8	8	8
1/4	51,007	1/4	39,565	1/4	28,140	1/4	16,700	1/4	5,259	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	50,769	1/2	39,327	1/2	27,902	1/2	16,462	1/2	5,021	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	50,530	3/4	39,089	3/4	27,664	3/4	16,223	3/4	4,782	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
9	50,292	9	38,850	9	27,426	9	15,985	9	4,544	9	1	9	9	9	9	9	9	9	9	9
1/4	50,054	1/4	38,612	1/4	27,188	1/4	15,747	1/4	4,305	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,815	1/2	38,374	1/2	26,950	1/2	15,508	1/2	4,067	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,577	3/4	38,135	3/4	26,711	3/4	15,270	3/4	3,829	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	49,339	10	37,897	10	26,473	10	15,032	10	3,591	10	1	10	10	10	10	10	10	10	10	10
1/4	49,100	1/4	37,658	1/4	26,234	1/4	14,793	1/4	3,352	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,862	1/2	37,420	1/2	25,996	1/2	14,555	1/2	3,115	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,624	3/4	37,182	3/4	25,758	3/4	14,316	3/4	2,877	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	48,385	11	36,943	11	25,519	11	14,078	11	2,639	11	1	11	11	11	11	11	11	11	11	11
1/4	48,147	1/4	36,705	1/4	25,281	1/4	13,840	1/4	2,401	1/4	1	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	47,908	1/2	36,467	1/2	25,043	1/2	13,601	1/2	2,165	1/2	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,670	3/4	36,229	3/4	24,804	3/4	13,363	3/4	1,929	3/4	1	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL  
CALCULATED: 10/05/2017 CL  
PRINTED: 10/05/2017 CL  
CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2017

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