



BARGE "IB 1978"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 CENTER	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 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	- 00-1/2	00-1/2	- 00-3/4	00-3/4
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	- 00-1/2	00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 182'-09"

September 21, 2017

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

<http://www.pmacorp.net>



BARGE "IB 1978"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	26	0	10,191	0	22,212	0	34,071	0	45,980	0	57,994	0	69,980	0	82,009	0	94,029	0	106,048
1/4	68	1/4	10,442	1/4	22,462	1/4	34,315	1/4	46,231	1/4	58,244	1/4	70,240	1/4	82,260	1/4	94,279	1/4	106,298
1/2	110	1/2	10,692	1/2	22,712	1/2	34,569	1/2	46,481	1/2	58,494	1/2	70,490	1/2	82,510	1/2	94,530	1/2	106,549
3/4	152	3/4	10,942	3/4	22,962	3/4	34,823	3/4	46,731	3/4	58,743	3/4	70,741	3/4	82,761	3/4	94,780	3/4	106,799
1	194	1	11,193	1	23,213	1	35,046	1	46,982	1	58,993	1	70,991	1	83,011	1	95,030	1	107,050
1/4	286	1/4	11,443	1/4	23,464	1/4	35,290	1/4	47,232	1/4	59,243	1/4	71,242	1/4	83,261	1/4	95,281	1/4	107,300
1/2	378	1/2	11,694	1/2	23,714	1/2	35,544	1/2	47,484	1/2	59,494	1/2	71,493	1/2	83,512	1/2	95,531	1/2	107,550
3/4	470	3/4	11,944	3/4	23,965	3/4	35,777	3/4	47,732	3/4	59,743	3/4	71,743	3/4	83,762	3/4	95,781	3/4	107,801
1	562	1	12,195	1	24,215	1	36,021	1	47,983	1	59,992	1	71,993	1	84,013	1	96,032	1	108,051
1/4	727	1/4	12,445	1/4	24,465	1/4	36,265	1/4	48,233	1/4	60,242	1/4	72,243	1/4	84,263	1/4	96,282	1/4	108,302
1/2	891	1/2	12,696	1/2	24,716	1/2	36,509	1/2	48,483	1/2	60,492	1/2	72,494	1/2	84,513	1/2	96,533	1/2	108,552
3/4	1,056	3/4	12,946	3/4	24,966	3/4	36,753	3/4	48,733	3/4	60,742	3/4	72,744	3/4	84,764	3/4	96,783	3/4	108,803
1	1,220	1	13,196	1	25,217	1	36,996	1	48,984	1	60,992	1	72,995	1	85,014	1	97,033	1	109,053
1/4	1,458	1/4	13,447	1/4	25,467	1/4	37,240	1/4	49,234	1/4	61,241	1/4	73,245	1/4	85,265	1/4	97,284	1/4	109,303
1/2	1,696	1/2	13,697	1/2	25,717	1/2	37,484	1/2	49,484	1/2	61,484	1/2	73,485	1/2	85,485	1/2	97,504	1/2	109,554
3/4	1,933	3/4	13,948	3/4	25,968	3/4	37,728	3/4	49,735	3/4	61,741	3/4	73,746	3/4	85,766	3/4	97,785	3/4	109,804
1	2,171	1	14,198	1	26,218	1	37,971	1	49,985	1	61,991	1	73,996	1	86,016	1	98,035	1	110,055
1/4	2,421	1/4	14,449	1/4	26,469	1/4	38,222	1/4	50,235	1/4	62,241	1/4	74,247	1/4	86,256	1/4	98,285	1/4	110,305
1/2	2,672	1/2	14,699	1/2	26,719	1/2	38,472	1/2	50,485	1/2	62,491	1/2	74,497	1/2	86,517	1/2	98,517	1/2	110,555
3/4	2,922	3/4	14,949	3/4	26,970	3/4	38,722	3/4	50,736	3/4	62,740	3/4	74,747	3/4	86,767	3/4	98,786	3/4	110,806
1	3,172	1	15,200	1	27,220	1	38,972	1	50,986	1	62,990	1	74,998	1	87,018	1	99,036	1	111,056
1/4	3,423	1/4	15,450	1/4	27,470	1/4	39,223	1/4	51,236	1/4	63,240	1/4	75,248	1/4	87,268	1/4	99,287	1/4	111,307
1/2	3,674	1/2	15,701	1/2	27,721	1/2	39,473	1/2	51,487	1/2	63,490	1/2	75,499	1/2	87,518	1/2	99,537	1/2	111,557
3/4	3,925	3/4	15,951	3/4	27,971	3/4	39,723	3/4	51,737	3/4	63,740	3/4	75,749	3/4	87,769	3/4	99,788	3/4	111,807
1	4,175	1	16,201	1	28,222	1	39,974	1	51,987	1	63,989	1	76,000	1	88,019	1	100,038	1	112,058
1/4	4,426	1/4	16,452	1/4	28,472	1/4	40,224	1/4	52,237	1/4	64,239	1/4	76,250	1/4	88,270	1/4	100,289	1/4	112,308
1/2	4,677	1/2	16,702	1/2	28,723	1/2	40,474	1/2	52,488	1/2	64,489	1/2	76,500	1/2	88,520	1/2	100,539	1/2	112,559
3/4	4,928	3/4	16,953	3/4	28,973	3/4	40,724	3/4	52,738	3/4	64,739	3/4	76,751	3/4	88,770	3/4	100,789	3/4	112,809
1	5,179	1	17,203	1	29,223	1	40,975	1	52,988	1	64,989	1	77,001	1	89,021	1	101,040	1	113,059
1/4	5,430	1/4	17,454	1/4	29,474	1/4	41,225	1/4	53,239	1/4	65,238	1/4	77,252	1/4	89,271	1/4	101,290	1/4	113,310
1/2	5,681	1/2	17,704	1/2	29,724	1/2	41,475	1/2	53,489	1/2	65,488	1/2	77,502	1/2	89,522	1/2	101,541	1/2	113,560
3/4	5,931	3/4	17,954	3/4	29,974	3/4	41,726	3/4	53,739	3/4	65,738	3/4	77,752	3/4	89,772	3/4	101,791	3/4	113,811
1	6,182	1	18,205	1	30,172	1	41,976	1	53,989	1	65,988	1	78,003	1	90,023	1	102,041	1	114,061
1/4	6,432	1/4	18,455	1/4	30,415	1/4	42,226	1/4	54,240	1/4	66,238	1/4	78,253	1/4	90,273	1/4	102,292	1/4	114,312
1/2	6,683	1/2	18,706	1/2	30,659	1/2	42,476	1/2	54,490	1/2	66,487	1/2	78,504	1/2	90,523	1/2	102,542	1/2	114,562
3/4	6,933	3/4	18,956	3/4	30,903	3/4	42,727	3/4	54,740	3/4	66,737	3/4	78,754	3/4	90,774	3/4	102,793	3/4	114,812
1	7,184	1	19,207	1	31,146	1	42,977	1	54,991	1	66,987	1	79,004	1	91,024	1	103,043	1	115,063
1/4	7,435	1/4	19,457	1/4	31,390	1/4	43,227	1/4	55,241	1/4	67,237	1/4	79,255	1/4	91,275	1/4	103,293	1/4	115,313
1/2	7,685	1/2	19,707	1/2	31,634	1/2	43,478	1/2	55,491	1/2	67,487	1/2	79,505	1/2	91,526	1/2	103,544	1/2	115,564
3/4	7,936	3/4	19,958	3/4	31,878	3/4	43,728	3/4	55,742	3/4	67,737	3/4	79,756	3/4	91,775	3/4	103,794	3/4	115,814
1	8,187	1	20,208	1	32,121	1	43,978	1	55,992	1	67,986	1	80,006	1	92,026	1	104,045	1	116,064
1/4	8,438	1/4	20,459	1/4	32,365	1/4	44,228	1/4	56,242	1/4	68,237	1/4	80,256	1/4	92,276	1/4	104,295	1/4	116,315
1/2	8,688	1/2	20,709	1/2	32,609	1/2	44,479	1/2	56,492	1/2	68,487	1/2	80,507	1/2	92,527	1/2	104,546	1/2	116,565
3/4	8,939	3/4	20,959	3/4	32,853	3/4	44,729	3/4	56,743	3/4	68,738	3/4	80,757	3/4	92,777	3/4	104,796	3/4	116,816
1	9,190	1	21,210	1	33,096	1	44,979	1	56,993	1	68,988	1	81,008	1	93,027	1	105,046	1	117,066
1/4	9,440	1/4	21,460	1/4	33,340	1/4	45,230	1/4	57,243	1/4	69,238	1/4	81,258	1/4	93,278	1/4	105,297	1/4	117,317
1/2	9,690	1/2	21,711	1/2	33,584	1/2	45,480	1/2	57,493	1/2	69,489	1/2	81,509	1/2	93,528	1/2	105,547	1/2	117,568
3/4	9,941	3/4	21,961	3/4	33,828	3/4	45,730	3/4	57,744	3/4	69,739	3/4	81,759	3/4	93,778	3/4	105,798	3/4	117,819

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IPIUS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2032
Pearland, Texas 77588

http://www.ipmacorp.net



BARGE "IB 1978"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/4"

IN.	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	118,070	0	128,694	0	136,480	0	144,266	0	152,044	0
1/4	118,321	1/4	128,956	1/4	136,642	1/4	144,428	1/4	152,182	1/4
1/2	118,572	1/2	129,219	1/2	136,805	1/2	144,591	1/2	152,320	1/2
3/4	118,822	3/4	129,481	3/4	136,967	3/4	144,753	3/4	152,457	3/4
1	119,073	1	129,743	1	137,129	1	144,915	1	152,595	1
1 1/4	119,324	1 1/4	129,995	1 1/4	137,281	1 1/4	145,077	1 1/4	152,733	1 1/4
1 1/2	119,575	1 1/2	129,667	1 1/2	137,453	1 1/2	145,239	1 1/2	152,871	1 1/2
1 3/4	119,826	1 3/4	129,830	1 3/4	137,616	1 3/4	145,402	1 3/4	152,988	1 3/4
2	120,077	2	129,992	2	137,778	2	145,564	2	152,826	2
1 1/4	120,328	1 1/4	130,154	1 1/4	137,940	1 1/4	145,726	1 1/4	152,888	1 1/4
1 1/2	120,579	1 1/2	130,316	1 1/2	138,102	1 1/2	145,888	1 1/2	152,951	1 1/2
1 3/4	120,830	1 3/4	130,478	1 3/4	138,265	1 3/4	146,051	1 3/4	153,014	1 3/4
3	121,081	3	130,641	3	138,427	3	146,213	3	153,077	3
1 1/4	121,332	1 1/4	130,803	1 1/4	138,589	1 1/4	146,375	1 1/4	153,087	1 1/4
1 1/2	121,582	1 1/2	130,965	1 1/2	138,751	1 1/2	146,537	1 1/2		1 1/2
1 3/4	121,833	1 3/4	131,127	1 3/4	138,913	1 3/4	146,699	1 3/4		1 3/4
4	122,084	4	131,290	4	139,076	4	146,862	4		4
1 1/4	122,335	1 1/4	131,452	1 1/4	139,238	1 1/4	147,024	1 1/4		1 1/4
1 1/2	122,586	1 1/2	131,614	1 1/2	139,400	1 1/2	147,186	1 1/2		1 1/2
1 3/4	122,837	1 3/4	131,776	1 3/4	139,562	1 3/4	147,348	1 3/4		1 3/4
5	123,088	5	131,938	5	139,724	5	147,510	5		5
1 1/4	123,339	1 1/4	132,101	1 1/4	139,887	1 1/4	147,673	1 1/4		1 1/4
1 1/2	123,590	1 1/2	132,263	1 1/2	140,049	1 1/2	147,835	1 1/2		1 1/2
1 3/4	123,841	1 3/4	132,425	1 3/4	140,211	1 3/4	147,997	1 3/4		1 3/4
6	124,092	6	132,587	6	140,373	6	148,159	6		6
1 1/4	124,342	1 1/4	132,749	1 1/4	140,535	1 1/4	148,321	1 1/4		1 1/4
1 1/2	124,593	1 1/2	132,912	1 1/2	140,698	1 1/2	148,484	1 1/2		1 1/2
1 3/4	124,844	1 3/4	133,074	1 3/4	140,860	1 3/4	148,646	1 3/4		1 3/4
7	125,095	7	133,236	7	141,022	7	148,808	7		7
1 1/4	125,346	1 1/4	133,398	1 1/4	141,184	1 1/4	148,970	1 1/4		1 1/4
1 1/2	125,597	1 1/2	133,560	1 1/2	141,346	1 1/2	149,132	1 1/2		1 1/2
1 3/4	125,848	1 3/4	133,723	1 3/4	141,509	1 3/4	149,295	1 3/4		1 3/4
8	126,099	8	133,885	8	141,671	8	149,457	8		8
1 1/4	126,281	1 1/4	134,047	1 1/4	141,833	1 1/4	149,619	1 1/4		1 1/4
1 1/2	126,423	1 1/2	134,209	1 1/2	141,995	1 1/2	149,781	1 1/2		1 1/2
1 3/4	126,585	1 3/4	134,372	1 3/4	142,158	1 3/4	149,944	1 3/4		1 3/4
9	126,748	9	134,534	9	142,320	9	150,106	9		9
1 1/4	126,910	1 1/4	134,696	1 1/4	142,482	1 1/4	150,268	1 1/4		1 1/4
1 1/2	127,072	1 1/2	134,858	1 1/2	142,644	1 1/2	150,430	1 1/2		1 1/2
1 3/4	127,234	1 3/4	135,020	1 3/4	142,806	1 3/4	150,592	1 3/4		1 3/4
10	127,397	10	135,183	10	142,969	10	150,754	10		10
1 1/4	127,559	1 1/4	135,345	1 1/4	143,131	1 1/4	150,916	1 1/4		1 1/4
1 1/2	127,721	1 1/2	135,507	1 1/2	143,293	1 1/2	151,078	1 1/2		1 1/2
1 3/4	127,883	1 3/4	135,669	1 3/4	143,455	1 3/4	151,240	1 3/4		1 3/4
11	128,045	11	135,831	11	143,617	11	151,402	11		11
1 1/4	128,208	1 1/4	135,994	1 1/4	143,780	1 1/4	151,562	1 1/4		1 1/4
1 1/2	128,370	1 1/2	136,156	1 1/2	143,942	1 1/2	151,723	1 1/2		1 1/2
1 3/4	128,532	1 3/4	136,318	1 3/4	144,104	1 3/4	151,883	1 3/4		1 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2017 SW
 CALCULATED: 09/22/2017 CL
 PRINTED: 09/24/2017 SW
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2017

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77589
 http://www.pimaconline.net



BARGE "IB 1978"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	26	0	10,122	0	21,673	0	33,054	0	44,433	0	56,044	0	67,595	0	79,147	0	90,698	0	102,249
1/4	66	1/4	10,362	1/4	21,913	1/4	33,288	1/4	44,733	1/4	56,285	1/4	67,836	1/4	79,387	1/4	90,939	1/4	102,490
1/2	107	1/2	10,603	1/2	22,154	1/2	33,521	1/2	45,074	1/2	56,525	1/2	68,077	1/2	79,628	1/2	91,179	1/2	102,731
3/4	147	3/4	10,844	3/4	22,395	3/4	33,755	3/4	45,215	3/4	56,766	3/4	68,317	3/4	79,869	3/4	91,420	3/4	102,974
1	187	1	11,084	1	22,635	1	33,988	1	45,455	1	57,007	1	68,558	1	80,109	1	91,661	1	103,212
1/4	307	1/4	11,325	1/4	22,876	1/4	34,222	1/4	45,666	1/4	57,247	1/4	68,799	1/4	80,350	1/4	91,901	1/4	103,453
1/2	427	1/2	11,566	1/2	23,117	1/2	34,455	1/2	45,895	1/2	57,488	1/2	69,039	1/2	80,591	1/2	92,142	1/2	103,693
3/4	548	3/4	11,806	3/4	23,357	3/4	34,689	3/4	46,177	3/4	57,729	3/4	69,280	3/4	80,831	3/4	92,383	3/4	103,934
2	668	2	12,047	2	23,598	2	34,923	2	46,418	2	57,969	2	69,521	2	81,072	2	92,624	2	104,175
1/4	868	1/4	12,288	1/4	23,838	1/4	35,156	1/4	46,658	1/4	58,210	1/4	69,761	1/4	81,313	1/4	92,864	1/4	104,415
1/2	1,069	1/2	12,528	1/2	24,079	1/2	35,390	1/2	46,898	1/2	58,450	1/2	70,002	1/2	81,553	1/2	93,105	1/2	104,656
3/4	1,269	3/4	12,769	3/4	24,320	3/4	35,623	3/4	47,140	3/4	58,691	3/4	70,242	3/4	81,794	3/4	93,345	3/4	104,897
3	1,470	3	13,009	3	24,560	3	35,857	3	47,380	3	58,932	3	70,483	3	82,035	3	93,586	3	105,137
1/4	1,708	1/4	13,250	1/4	24,801	1/4	36,091	1/4	47,621	1/4	59,172	1/4	70,724	1/4	82,275	1/4	93,827	1/4	105,378
1/2	1,947	1/2	13,491	1/2	25,042	1/2	36,324	1/2	47,862	1/2	59,413	1/2	70,964	1/2	82,516	1/2	94,067	1/2	105,619
3/4	2,185	3/4	13,731	3/4	25,282	3/4	36,558	3/4	48,102	3/4	59,654	3/4	71,205	3/4	82,756	3/4	94,308	3/4	105,859
4	2,424	4	13,972	4	25,523	4	36,792	4	48,343	4	59,894	4	71,446	4	82,997	4	94,549	4	106,100
1/4	2,664	1/4	14,213	1/4	25,764	1/4	37,032	1/4	48,584	1/4	60,135	1/4	71,686	1/4	83,238	1/4	94,789	1/4	106,341
1/2	2,904	1/2	14,453	1/2	26,004	1/2	37,273	1/2	48,824	1/2	60,376	1/2	71,927	1/2	83,478	1/2	95,030	1/2	106,581
3/4	3,144	3/4	14,694	3/4	26,245	3/4	37,514	3/4	49,065	3/4	60,616	3/4	72,168	3/4	83,719	3/4	95,270	3/4	106,822
5	3,384	5	14,935	5	26,486	5	37,754	5	49,305	5	60,857	5	72,408	5	83,960	5	95,511	5	107,062
1/4	3,625	1/4	15,175	1/4	26,726	1/4	37,995	1/4	49,546	1/4	61,098	1/4	72,649	1/4	84,200	1/4	95,752	1/4	107,303
1/2	3,865	1/2	15,416	1/2	26,967	1/2	38,236	1/2	49,787	1/2	61,338	1/2	72,890	1/2	84,441	1/2	95,992	1/2	107,544
3/4	4,106	3/4	15,657	3/4	27,207	3/4	38,476	3/4	50,028	3/4	61,579	3/4	73,130	3/4	84,682	3/4	96,233	3/4	107,784
6	4,346	6	15,897	6	27,448	6	38,717	6	50,268	6	61,820	6	73,371	6	84,922	6	96,474	6	108,025
1/4	4,587	1/4	16,138	1/4	27,689	1/4	38,958	1/4	50,509	1/4	62,060	1/4	73,612	1/4	85,163	1/4	96,714	1/4	108,266
1/2	4,828	1/2	16,378	1/2	27,915	1/2	39,198	1/2	50,750	1/2	62,301	1/2	73,852	1/2	85,404	1/2	96,955	1/2	108,506
3/4	5,068	3/4	16,619	3/4	28,149	3/4	39,439	3/4	50,990	3/4	62,542	3/4	74,093	3/4	85,644	3/4	97,196	3/4	108,747
7	5,309	7	16,860	7	28,389	7	39,679	7	51,231	7	62,782	7	74,334	7	85,885	7	97,437	7	108,988
1/4	5,550	1/4	17,100	1/4	28,616	1/4	39,920	1/4	51,472	1/4	63,023	1/4	74,574	1/4	86,126	1/4	97,677	1/4	109,228
1/2	5,790	1/2	17,341	1/2	28,850	1/2	40,161	1/2	51,712	1/2	63,264	1/2	74,815	1/2	86,366	1/2	97,918	1/2	109,469
3/4	6,031	3/4	17,582	3/4	29,083	3/4	40,401	3/4	51,953	3/4	63,504	3/4	75,056	3/4	86,607	3/4	98,158	3/4	109,710
8	6,272	8	17,822	8	29,317	8	40,642	8	52,193	8	63,745	8	75,296	8	86,848	8	98,399	8	109,950
1/4	6,512	1/4	18,063	1/4	29,550	1/4	40,883	1/4	52,434	1/4	63,985	1/4	75,537	1/4	87,088	1/4	98,640	1/4	110,191
1/2	6,753	1/2	18,304	1/2	29,784	1/2	41,123	1/2	52,675	1/2	64,226	1/2	75,778	1/2	87,329	1/2	98,880	1/2	110,432
3/4	6,993	3/4	18,544	3/4	30,017	3/4	41,364	3/4	52,915	3/4	64,467	3/4	76,018	3/4	87,570	3/4	99,121	3/4	110,672
9	7,234	9	18,785	9	30,251	9	41,605	9	53,156	9	64,707	9	76,259	9	87,810	9	99,362	9	110,913
1/4	7,475	1/4	19,026	1/4	30,485	1/4	41,845	1/4	53,397	1/4	64,948	1/4	76,499	1/4	88,051	1/4	99,602	1/4	111,154
1/2	7,715	1/2	19,266	1/2	30,718	1/2	42,086	1/2	53,637	1/2	65,189	1/2	76,740	1/2	88,292	1/2	99,843	1/2	111,394
3/4	7,956	3/4	19,507	3/4	30,952	3/4	42,327	3/4	53,878	3/4	65,429	3/4	76,981	3/4	88,532	3/4	100,084	3/4	111,635
10	8,197	10	19,748	10	31,185	10	42,567	10	54,119	10	65,670	10	77,221	10	88,773	10	100,324	10	111,876
1/4	8,437	1/4	19,988	1/4	31,419	1/4	42,808	1/4	54,359	1/4	65,911	1/4	77,462	1/4	89,013	1/4	100,565	1/4	112,116
1/2	8,678	1/2	20,229	1/2	31,652	1/2	43,049	1/2	54,600	1/2	66,151	1/2	77,703	1/2	89,254	1/2	100,805	1/2	112,357
3/4	8,919	3/4	20,469	3/4	31,886	3/4	43,289	3/4	54,841	3/4	66,392	3/4	77,943	3/4	89,495	3/4	101,046	3/4	112,598
11	9,159	11	20,710	11	32,120	11	43,530	11	55,081	11	66,633	11	78,184	11	89,735	11	101,287	11	112,838
1/4	9,400	1/4	20,951	1/4	32,353	1/4	43,771	1/4	55,322	1/4	66,874	1/4	78,425	1/4	89,976	1/4	101,527	1/4	113,079
1/2	9,640	1/2	21,191	1/2	32,587	1/2	44,011	1/2	55,563	1/2	67,114	1/2	78,666	1/2	90,217	1/2	101,768	1/2	113,319
3/4	9,881	3/4	21,432	3/4	32,820	3/4	44,252	3/4	55,803	3/4	67,355	3/4	78,906	3/4	90,457	3/4	102,009	3/4	113,560

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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BARGE "IB 1978"

2 CENTER
INNAGE 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.
0	113,801	0	125,352	0	136,904	0	148,455	0	159,998	0
1/4	114,041	1/4	125,593	1/4	137,144	1/4	148,696	1/4	160,216	1/4
1/2	114,282	1/2	125,833	1/2	137,385	1/2	148,936	1/2	160,433	1/2
3/4	114,523	3/4	126,074	3/4	137,625	3/4	149,177	3/4	160,650	3/4
1	114,763	1	126,315	1	137,866	1	149,418	1	160,867	1
1 1/4	115,004	1 1/4	126,555	1 1/4	138,107	1 1/4	149,658	1 1/4	161,088	1 1/4
1 1/2	115,245	1 1/2	126,796	1 1/2	138,347	1 1/2	149,899	1 1/2	161,148	1 1/2
3/4	115,485	3/4	127,037	3/4	138,588	3/4	150,139	3/4	161,288	3/4
2	115,726	2	127,277	2	138,829	2	150,380	2	161,429	2
1 1/4	115,967	1 1/4	127,518	1 1/4	139,069	1 1/4	150,621	1 1/4	161,489	1 1/4
1 1/2	116,207	1 1/2	127,759	1 1/2	139,310	1 1/2	150,861	1 1/2	161,549	1 1/2
3/4	116,448	3/4	127,999	3/4	139,551	3/4	151,102	3/4	161,609	3/4
3	116,689	3	128,240	3	139,791	3	151,343	3	161,659	3
1 1/4	116,929	1 1/4	128,481	1 1/4	140,032	1 1/4	151,583	1 1/4	161,679	1 1/4
1 1/2	117,170	1 1/2	128,721	1 1/2	140,273	1 1/2	151,824	1 1/2	161,679	1 1/2
3/4	117,411	3/4	128,962	3/4	140,513	3/4	152,065	3/4	161,679	3/4
4	117,651	4	129,203	4	140,754	4	152,305	4	161,679	4
1 1/4	117,892	1 1/4	129,443	1 1/4	140,995	1 1/4	152,546	1 1/4	161,679	1 1/4
1 1/2	118,133	1 1/2	129,684	1 1/2	141,235	1 1/2	152,787	1 1/2	161,679	1 1/2
3/4	118,373	3/4	129,925	3/4	141,476	3/4	153,027	3/4	161,679	3/4
5	118,614	5	130,165	5	141,717	5	153,268	5	161,679	5
1 1/4	118,855	1 1/4	130,406	1 1/4	141,957	1 1/4	153,509	1 1/4	161,679	1 1/4
1 1/2	119,095	1 1/2	130,647	1 1/2	142,198	1 1/2	153,749	1 1/2	161,679	1 1/2
3/4	119,336	3/4	130,887	3/4	142,439	3/4	153,990	3/4	161,679	3/4
6	119,576	6	131,128	6	142,679	6	154,231	6	161,679	6
1 1/4	119,817	1 1/4	131,369	1 1/4	142,920	1 1/4	154,471	1 1/4	161,679	1 1/4
1 1/2	120,058	1 1/2	131,610	1 1/2	143,161	1 1/2	154,712	1 1/2	161,679	1 1/2
3/4	120,298	3/4	131,850	3/4	143,401	3/4	154,953	3/4	161,679	3/4
7	120,539	7	132,090	7	143,642	7	155,193	7	161,679	7
1 1/4	120,780	1 1/4	132,331	1 1/4	143,882	1 1/4	155,434	1 1/4	161,679	1 1/4
1 1/2	121,020	1 1/2	132,572	1 1/2	144,123	1 1/2	155,675	1 1/2	161,679	1 1/2
3/4	121,261	3/4	132,812	3/4	144,364	3/4	155,915	3/4	161,679	3/4
8	121,502	8	133,053	8	144,604	8	156,156	8	161,679	8
1 1/4	121,742	1 1/4	133,294	1 1/4	144,845	1 1/4	156,396	1 1/4	161,679	1 1/4
1 1/2	121,983	1 1/2	133,534	1 1/2	145,086	1 1/2	156,637	1 1/2	161,679	1 1/2
3/4	122,224	3/4	133,775	3/4	145,326	3/4	156,878	3/4	161,679	3/4
9	122,464	9	134,016	9	145,567	9	157,118	9	161,679	9
1 1/4	122,705	1 1/4	134,256	1 1/4	145,808	1 1/4	157,359	1 1/4	161,679	1 1/4
1 1/2	122,946	1 1/2	134,497	1 1/2	146,048	1 1/2	157,600	1 1/2	161,679	1 1/2
3/4	123,186	3/4	134,738	3/4	146,289	3/4	157,840	3/4	161,679	3/4
10	123,427	10	134,978	10	146,530	10	158,081	10	161,679	10
1 1/4	123,668	1 1/4	135,219	1 1/4	146,770	1 1/4	158,321	1 1/4	161,679	1 1/4
1 1/2	123,908	1 1/2	135,460	1 1/2	147,011	1 1/2	158,561	1 1/2	161,679	1 1/2
3/4	124,149	3/4	135,700	3/4	147,252	3/4	158,802	3/4	161,679	3/4
11	124,390	11	135,941	11	147,492	11	159,042	11	161,679	11
1 1/4	124,630	1 1/4	136,182	1 1/4	147,733	1 1/4	159,281	1 1/4	161,679	1 1/4
1 1/2	124,871	1 1/2	136,422	1 1/2	147,974	1 1/2	159,520	1 1/2	161,679	1 1/2
3/4	125,112	3/4	136,663	3/4	148,214	3/4	159,759	3/4	161,679	3/4

STRAPPED: 09/21/2017 SW
CALCULATED: 09/22/2017 CL
PRINTED: 09/24/2017 SW
CANCEL S AND SUPERCEDS
ALL PRIOR TO 09/2017

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
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BARGE "IB 1978"

3 CENTER INNAGE 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	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N	IN	N
0	0	10,042	0	21,501	0	32,949	0	44,402	0	55,862	0	67,321	0	78,781	0	90,240	0	101,700	0
1/4	1/4	10,280	1/4	21,739	1/4	33,187	1/4	44,641	1/4	56,100	1/4	67,560	1/4	79,020	1/4	90,479	1/4	101,939	1/4
1/2	1/2	10,519	1/2	21,978	1/2	33,426	1/2	44,880	1/2	56,339	1/2	67,799	1/2	79,258	1/2	90,718	1/2	102,178	1/2
3/4	3/4	10,758	3/4	22,217	3/4	33,664	3/4	45,118	3/4	56,578	3/4	68,037	3/4	79,497	3/4	90,957	3/4	102,416	3/4
1	1	10,996	1	22,456	1	33,902	1	45,357	1	56,817	1	68,276	1	79,736	1	91,195	1	102,655	1
1/4	1/4	11,235	1/4	22,694	1/4	34,141	1/4	45,596	1/4	57,055	1/4	68,515	1/4	79,975	1/4	91,434	1/4	102,894	1/4
1/2	1/2	11,474	1/2	22,933	1/2	34,379	1/2	45,834	1/2	57,294	1/2	68,754	1/2	80,213	1/2	91,673	1/2	103,132	1/2
3/4	3/4	11,713	3/4	23,172	3/4	34,617	3/4	46,073	3/4	57,533	3/4	68,992	3/4	80,452	3/4	91,912	3/4	103,371	3/4
2	2	11,951	2	23,411	2	34,855	2	46,312	2	57,772	2	69,231	2	80,691	2	92,150	2	103,610	2
1/4	1/4	12,190	1/4	23,649	1/4	35,094	1/4	46,551	1/4	58,010	1/4	69,470	1/4	80,929	1/4	92,389	1/4	103,849	1/4
1/2	1/2	12,429	1/2	23,888	1/2	35,332	1/2	46,789	1/2	58,249	1/2	69,709	1/2	81,168	1/2	92,628	1/2	104,087	1/2
3/4	3/4	12,668	3/4	24,127	3/4	35,571	3/4	47,028	3/4	58,488	3/4	69,947	3/4	81,407	3/4	92,867	3/4	104,326	3/4
3	3	12,906	3	24,366	3	35,809	3	47,267	3	58,727	3	70,186	3	81,646	3	93,105	3	104,565	3
1/4	1/4	13,145	1/4	24,604	1/4	36,047	1/4	47,506	1/4	58,966	1/4	70,425	1/4	81,884	1/4	93,344	1/4	104,804	1/4
1/2	1/2	13,384	1/2	24,843	1/2	36,286	1/2	47,744	1/2	59,204	1/2	70,664	1/2	82,123	1/2	93,583	1/2	105,042	1/2
3/4	3/4	13,623	3/4	25,082	3/4	36,524	3/4	47,983	3/4	59,443	3/4	70,902	3/4	82,362	3/4	93,822	3/4	105,281	3/4
4	4	13,861	4	25,320	4	36,762	4	48,222	4	59,681	4	71,141	4	82,601	4	94,060	4	105,520	4
1/4	1/4	14,100	1/4	25,559	1/4	37,001	1/4	48,461	1/4	59,920	1/4	71,380	1/4	82,839	1/4	94,299	1/4	105,759	1/4
1/2	1/2	14,339	1/2	25,798	1/2	37,240	1/2	48,699	1/2	60,159	1/2	71,619	1/2	83,078	1/2	94,538	1/2	105,997	1/2
3/4	3/4	14,577	3/4	26,037	3/4	37,478	3/4	48,938	3/4	60,398	3/4	71,857	3/4	83,317	3/4	94,777	3/4	106,236	3/4
5	5	14,816	5	26,275	5	37,717	5	49,177	5	60,636	5	72,096	5	83,556	5	95,015	5	106,475	5
1/4	1/4	15,055	1/4	26,514	1/4	37,956	1/4	49,416	1/4	60,875	1/4	72,335	1/4	83,794	1/4	95,254	1/4	106,714	1/4
1/2	1/2	15,294	1/2	26,753	1/2	38,195	1/2	49,654	1/2	61,114	1/2	72,574	1/2	84,033	1/2	95,493	1/2	106,952	1/2
3/4	3/4	15,532	3/4	26,992	3/4	38,433	3/4	49,893	3/4	61,353	3/4	72,812	3/4	84,272	3/4	95,731	3/4	107,191	3/4
6	6	15,771	6	27,230	6	38,672	6	50,132	6	61,591	6	73,051	6	84,511	6	95,970	6	107,430	6
1/4	1/4	16,010	1/4	27,469	1/4	38,911	1/4	50,371	1/4	61,830	1/4	73,290	1/4	84,749	1/4	96,209	1/4	107,669	1/4
1/2	1/2	16,249	1/2	27,707	1/2	39,150	1/2	50,609	1/2	62,069	1/2	73,528	1/2	84,988	1/2	96,448	1/2	107,907	1/2
3/4	3/4	16,487	3/4	27,945	3/4	39,388	3/4	50,848	3/4	62,308	3/4	73,767	3/4	85,227	3/4	96,686	3/4	108,146	3/4
7	7	16,726	7	28,183	7	39,627	7	51,087	7	62,546	7	74,006	7	85,466	7	96,925	7	108,385	7
1/4	1/4	16,965	1/4	28,422	1/4	39,866	1/4	51,326	1/4	62,785	1/4	74,245	1/4	85,704	1/4	97,164	1/4	108,624	1/4
1/2	1/2	17,204	1/2	28,660	1/2	40,105	1/2	51,564	1/2	63,024	1/2	74,483	1/2	85,943	1/2	97,403	1/2	108,862	1/2
3/4	3/4	17,442	3/4	28,898	3/4	40,343	3/4	51,803	3/4	63,263	3/4	74,722	3/4	86,182	3/4	97,641	3/4	109,101	3/4
8	8	17,681	8	29,137	8	40,582	8	52,042	8	63,501	8	74,961	8	86,421	8	97,880	8	109,340	8
1/4	1/4	17,920	1/4	29,375	1/4	40,821	1/4	52,280	1/4	63,740	1/4	75,200	1/4	86,659	1/4	98,119	1/4	109,579	1/4
1/2	1/2	18,158	1/2	29,613	1/2	41,060	1/2	52,519	1/2	63,979	1/2	75,438	1/2	86,898	1/2	98,358	1/2	109,817	1/2
3/4	3/4	18,397	3/4	29,851	3/4	41,298	3/4	52,758	3/4	64,218	3/4	75,677	3/4	87,137	3/4	98,596	3/4	110,056	3/4
9	9	18,636	9	30,090	9	41,537	9	52,997	9	64,456	9	75,916	9	87,376	9	98,835	9	110,295	9
1/4	1/4	18,875	1/4	30,328	1/4	41,776	1/4	53,235	1/4	64,695	1/4	76,155	1/4	87,614	1/4	99,074	1/4	110,533	1/4
1/2	1/2	19,113	1/2	30,566	1/2	42,015	1/2	53,474	1/2	64,934	1/2	76,393	1/2	87,853	1/2	99,313	1/2	110,772	1/2
3/4	3/4	19,352	3/4	30,805	3/4	42,253	3/4	53,713	3/4	65,173	3/4	76,632	3/4	88,092	3/4	99,551	3/4	111,011	3/4
10	10	19,591	10	31,043	10	42,492	10	53,952	10	65,411	10	76,871	10	88,330	10	99,790	10	111,250	10
1/4	1/4	19,830	1/4	31,281	1/4	42,731	1/4	54,190	1/4	65,650	1/4	77,110	1/4	88,569	1/4	100,029	1/4	111,488	1/4
1/2	1/2	20,068	1/2	31,519	1/2	42,970	1/2	54,429	1/2	65,889	1/2	77,348	1/2	88,808	1/2	100,268	1/2	111,727	1/2
3/4	3/4	20,307	3/4	31,758	3/4	43,208	3/4	54,668	3/4	66,128	3/4	77,587	3/4	89,047	3/4	100,506	3/4	111,965	3/4
11	11	20,546	11	31,996	11	43,447	11	54,907	11	66,366	11	77,826	11	89,285	11	100,745	11	112,204	11
1/4	1/4	20,785	1/4	32,234	1/4	43,686	1/4	55,145	1/4	66,605	1/4	78,065	1/4	89,524	1/4	100,984	1/4	112,443	1/4
1/2	1/2	21,023	1/2	32,473	1/2	43,925	1/2	55,384	1/2	66,844	1/2	78,303	1/2	89,763	1/2	101,223	1/2	112,682	1/2
3/4	3/4	21,262	3/4	32,711	3/4	44,163	3/4	55,623	3/4	67,082	3/4	78,542	3/4	90,002	3/4	101,461	3/4	112,921	3/4

GAUGE HEIGHT 15'-03 1/2"

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD.

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 1978"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	113,160	0	124,619	0	136,079	0	147,538	0	158,990	0
1/4	113,398	1/4	124,858	1/4	136,318	1/4	147,777	1/4	159,206	1/4
1/2	113,637	1/2	125,097	1/2	136,556	1/2	148,016	1/2	159,421	1/2
3/4	113,876	3/4	125,335	3/4	136,795	3/4	148,255	3/4	159,637	3/4
1	114,115	1	125,574	1	137,034	1	148,493	1	159,852	1
1/4	114,353	1/4	125,813	1/4	137,273	1/4	148,732	1/4	159,991	1/4
1/2	114,592	1/2	126,052	1/2	137,511	1/2	148,971	1/2	160,131	1/2
3/4	114,831	3/4	126,290	3/4	137,750	3/4	149,210	3/4	160,270	3/4
2	115,070	2	126,529	2	137,989	2	149,448	2	160,409	2
1/4	115,308	1/4	126,768	1/4	138,228	1/4	149,687	1/4	160,489	1/4
1/2	115,547	1/2	127,007	1/2	138,466	1/2	149,926	1/2	160,529	1/2
3/4	115,786	3/4	127,245	3/4	138,705	3/4	150,165	3/4	160,588	3/4
3	116,025	3	127,484	3	138,944	3	150,403	3	160,648	3
1/4	116,263	1/4	127,723	1/4	139,182	1/4	150,642	1/4	160,658	1/4
1/2	116,502	1/2	127,962	1/2	139,421	1/2	150,881	1/2		1/2
3/4	116,741	3/4	128,200	3/4	139,660	3/4	151,120	3/4		3/4
4	116,980	4	128,439	4	139,899	4	151,358	4		4
1/4	117,218	1/4	128,678	1/4	140,137	1/4	151,597	1/4		1/4
1/2	117,457	1/2	128,917	1/2	140,376	1/2	151,836	1/2		1/2
3/4	117,696	3/4	129,155	3/4	140,615	3/4	152,075	3/4		3/4
5	117,934	5	129,394	5	140,854	5	152,313	5		5
1/4	118,173	1/4	129,633	1/4	141,092	1/4	152,552	1/4		1/4
1/2	118,412	1/2	129,872	1/2	141,331	1/2	152,791	1/2		1/2
3/4	118,651	3/4	130,110	3/4	141,570	3/4	153,030	3/4		3/4
6	118,889	6	130,349	6	141,809	6	153,268	6		6
1/4	119,128	1/4	130,588	1/4	142,047	1/4	153,507	1/4		1/4
1/2	119,367	1/2	130,827	1/2	142,286	1/2	153,746	1/2		1/2
3/4	119,606	3/4	131,065	3/4	142,525	3/4	153,984	3/4		3/4
7	119,844	7	131,304	7	142,764	7	154,223	7		7
1/4	120,083	1/4	131,543	1/4	143,002	1/4	154,462	1/4		1/4
1/2	120,322	1/2	131,781	1/2	143,241	1/2	154,701	1/2		1/2
3/4	120,561	3/4	132,020	3/4	143,480	3/4	154,939	3/4		3/4
8	120,799	8	132,259	8	143,719	8	155,178	8		8
1/4	121,038	1/4	132,498	1/4	143,957	1/4	155,417	1/4		1/4
1/2	121,277	1/2	132,736	1/2	144,196	1/2	155,656	1/2		1/2
3/4	121,516	3/4	132,975	3/4	144,435	3/4	155,894	3/4		3/4
9	121,754	9	133,214	9	144,674	9	156,133	9		9
1/4	121,993	1/4	133,453	1/4	144,912	1/4	156,372	1/4		1/4
1/2	122,232	1/2	133,691	1/2	145,151	1/2	156,611	1/2		1/2
3/4	122,471	3/4	133,930	3/4	145,390	3/4	156,849	3/4		3/4
10	122,709	10	134,169	10	145,629	10	157,088	10		10
1/4	122,948	1/4	134,408	1/4	145,867	1/4	157,326	1/4		1/4
1/2	123,187	1/2	134,646	1/2	146,106	1/2	157,565	1/2		1/2
3/4	123,426	3/4	134,885	3/4	146,345	3/4	157,803	3/4		3/4
11	123,664	11	135,124	11	146,583	11	158,041	11		11
1/4	123,903	1/4	135,363	1/4	146,822	1/4	158,279	1/4		1/4
1/2	124,142	1/2	135,601	1/2	147,061	1/2	158,516	1/2		1/2
3/4	124,381	3/4	135,840	3/4	147,300	3/4	158,753	3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/21/2017 SW
CALCULATED: 09/22/2017 CL
PRINTED: 09/24/2017 SW
CANCEL S AND SUPERCEDES
ALL PRIOR TO 09/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
http://www.pmaoctr.net