



BARGE "IB 1971"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS - 00-1/4"
 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"

May 5, 2016

**PRECISION MEASUREMENT
 & ANALYSIS, INC.**
 P.O. Box 2092
 Pearland, Texas 77568

<http://www.pmacorp.net>



BARGE "IB 1971"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	146,318	0	138,544	0	121,401	0	109,390	0	97,388
1/4	1/4	152,858	1/4	146,156	1/4	130,607	1/4	109,140	1/4	97,138
1/2	1/2	152,848	1/2	145,994	1/2	130,445	1/2	108,890	1/2	96,888
3/4	3/4	152,785	3/4	145,832	3/4	130,283	3/4	108,640	3/4	96,638
1	1	152,722	1	145,670	1	130,121	1	108,390	1	96,388
1/4	1/4	152,660	1/4	145,508	1/4	129,959	1/4	108,140	1/4	96,138
1/2	1/2	152,597	1/2	145,346	1/2	129,797	1/2	107,890	1/2	95,888
3/4	3/4	152,539	3/4	145,184	3/4	129,635	3/4	107,640	3/4	95,638
2	2	152,482	2	145,022	2	129,474	2	107,390	2	95,388
1/4	1/4	152,424	1/4	144,860	1/4	129,312	1/4	107,140	1/4	95,138
1/2	1/2	152,367	1/2	144,698	1/2	129,150	1/2	106,890	1/2	94,888
3/4	3/4	152,229	3/4	144,536	3/4	128,988	3/4	106,640	3/4	94,638
3	3	152,092	3	144,374	3	128,826	3	106,390	3	94,388
1/4	1/4	151,954	1/4	144,212	1/4	128,664	1/4	106,140	1/4	94,138
1/2	1/2	151,816	1/2	144,050	1/2	128,502	1/2	105,890	1/2	93,888
3/4	3/4	151,656	3/4	143,888	3/4	128,340	3/4	105,639	3/4	93,638
4	4	151,496	4	143,726	4	128,178	4	105,389	4	93,388
1/4	1/4	151,335	1/4	143,565	1/4	128,016	1/4	105,139	1/4	93,138
1/2	1/2	151,175	1/2	143,403	1/2	127,854	1/2	104,889	1/2	92,888
3/4	3/4	151,014	3/4	143,241	3/4	127,692	3/4	104,639	3/4	92,638
5	5	150,852	5	143,079	5	127,530	5	104,389	5	92,388
1/4	1/4	150,690	1/4	142,917	1/4	127,368	1/4	104,139	1/4	92,138
1/2	1/2	150,529	1/2	142,755	1/2	127,206	1/2	103,889	1/2	91,888
3/4	3/4	150,367	3/4	142,593	3/4	127,044	3/4	103,639	3/4	91,638
6	6	150,205	6	142,431	6	126,882	6	103,389	6	91,388
1/4	1/4	150,043	1/4	142,269	1/4	126,720	1/4	103,139	1/4	91,138
1/2	1/2	149,881	1/2	142,107	1/2	126,558	1/2	102,889	1/2	90,888
3/4	3/4	149,719	3/4	141,945	3/4	126,396	3/4	102,639	3/4	90,638
7	7	149,557	7	141,783	7	126,234	7	102,389	7	90,388
1/4	1/4	149,395	1/4	141,621	1/4	126,072	1/4	102,139	1/4	90,138
1/2	1/2	149,233	1/2	141,459	1/2	125,910	1/2	101,889	1/2	89,888
3/4	3/4	149,071	3/4	141,297	3/4	125,748	3/4	101,639	3/4	89,638
8	8	148,909	8	141,135	8	125,586	8	101,389	8	89,388
1/4	1/4	148,747	1/4	140,973	1/4	125,424	1/4	101,139	1/4	89,138
1/2	1/2	148,585	1/2	140,811	1/2	125,262	1/2	100,889	1/2	88,888
3/4	3/4	148,423	3/4	140,649	3/4	125,100	3/4	100,639	3/4	88,638
9	9	148,262	9	140,487	9	124,938	9	100,389	9	88,388
1/4	1/4	148,100	1/4	140,325	1/4	124,776	1/4	100,139	1/4	88,138
1/2	1/2	147,938	1/2	140,163	1/2	124,614	1/2	99,889	1/2	87,888
3/4	3/4	147,776	3/4	140,001	3/4	124,452	3/4	99,639	3/4	87,638
10	10	147,614	10	139,839	10	124,290	10	99,389	10	87,388
1/4	1/4	147,452	1/4	139,677	1/4	124,128	1/4	99,139	1/4	87,138
1/2	1/2	147,290	1/2	139,515	1/2	123,966	1/2	98,889	1/2	86,888
3/4	3/4	147,128	3/4	139,353	3/4	123,804	3/4	98,639	3/4	86,638
11	11	146,966	11	139,191	11	123,642	11	98,389	11	86,388
1/4	1/4	146,804	1/4	139,029	1/4	123,480	1/4	98,139	1/4	86,138
1/2	1/2	146,642	1/2	138,866	1/2	123,318	1/2	97,889	1/2	85,888
3/4	3/4	146,480	3/4	138,704	3/4	123,156	3/4	97,639	3/4	85,638

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 ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "IB 1971"

1 CENTER ULLAGE TABLE

GAUGE HEIGHT 15'-03 1/2"

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	61,400	0	49,411	0	37,428	0	25,679	0	13,677	0	1,694	0	0	0	0	0	0	0	0
1/4	61,150	49,161	37,185	25,429	13,427	1,456													1/4
1/2	60,901	48,911	36,941	25,179	13,177	1,219													1/2
3/4	60,651	48,661	36,698	24,929	12,927	1,055													3/4
1	60,402	48,411	36,454	24,679	12,677	890													1
1/4	60,152	48,161	36,211	24,429	12,427	726													1/4
1/2	59,903	47,911	35,968	24,179	12,177	562													1/2
3/4	59,653	47,661	35,724	23,929	11,927	470													3/4
2	59,404	47,411	35,481	23,679	11,677	378													2
1/4	59,155	47,161	35,238	23,429	11,427	286													1/4
1/2	58,905	46,912	34,994	23,179	11,177	194													1/2
3/4	58,656	46,662	34,751	22,929	10,927	152													3/4
3	58,406	46,412	34,507	22,679	10,677	110													3
1/4	58,157	46,162	34,264	22,429	10,426	69													1/4
1/2	57,907	45,912	34,021	22,179	10,176	26													1/2
3/4	57,658	45,662	33,777	21,929	9,926														3/4
4	57,408	45,412	33,534	21,679	9,676	4													4
1/4	57,158	45,162	33,291	21,429	9,426														1/4
1/2	56,908	44,912	33,047	21,179	9,176														1/2
3/4	56,658	44,662	32,804	20,928	8,926														3/4
5	56,408	44,412	32,560	20,678	8,676	5													5
1/4	56,158	44,163	32,317	20,428	8,425														1/4
1/2	55,908	43,913	32,074	20,178	8,175														1/2
3/4	55,658	43,663	31,830	19,928	7,925														3/4
6	55,408	43,413	31,587	19,678	7,674	6													6
1/4	55,158	43,163	31,344	19,428	7,424														1/4
1/2	54,909	42,913	31,100	19,178	7,174														1/2
3/4	54,659	42,663	30,857	18,928	6,924														3/4
7	54,409	42,413	30,613	18,678	6,673	7													7
1/4	54,159	42,163	30,370	18,428	6,423														1/4
1/2	53,909	41,913	30,127	18,178	6,173														1/2
3/4	53,659	41,663	29,883	17,928	5,923														3/4
8	53,409	41,414	29,640	17,678	5,672	8													8
1/4	53,159	41,164	29,397	17,428	5,422														1/4
1/2	52,909	40,914	29,153	17,178	5,172														1/2
3/4	52,659	40,664	28,910	16,928	4,921														3/4
9	52,409	40,414	28,667	16,678	4,671	9													9
1/4	52,160	40,164	28,423	16,428	4,420														1/4
1/2	51,910	39,914	28,180	16,178	4,170														1/2
3/4	51,660	39,664	27,930	15,928	3,919														3/4
10	51,410	39,414	27,680	15,678	3,669	10													10
1/4	51,160	39,164	27,430	15,427	3,418														1/4
1/2	50,910	38,914	27,180	15,177	3,168														1/2
3/4	50,660	38,664	26,930	14,927	2,918														3/4
11	50,410	38,414	26,680	14,677	2,668	11													11
1/4	50,160	38,164	26,429	14,427	2,418														1/4
1/2	49,910	37,914	26,179	14,177	2,168														1/2
3/4	49,661	37,671	25,929	13,927	1,931														3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/05/2016 CL
CALCULATED: 05/05/2016 CL
PRINTED: 05/05/2016 JS
CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2062
Pearland, Texas 77586
frtb@www.pmaacorp.net



BARGE "IB 1971"

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	161,390	0	151,081	0	139,550	0	128,018	0	116,487	0	104,956	0	93,424	0	81,893	0	70,362	0
1/4	1/4	161,330	1/4	150,841	1/4	139,310	1/4	127,778	1/4	116,247	1/4	104,715	1/4	93,184	1/4	81,653	1/4	70,121	1/4
1/2	1/2	161,270	1/2	150,601	1/2	139,069	1/2	127,538	1/2	116,007	1/2	104,475	1/2	92,944	1/2	81,412	1/2	69,881	1/2
3/4	3/4	161,210	3/4	150,361	3/4	138,829	3/4	127,298	3/4	115,766	3/4	104,235	3/4	92,704	3/4	81,172	3/4	69,641	3/4
1	1	161,150	1	150,120	1	138,589	1	127,058	1	115,526	1	103,995	1	92,463	1	80,932	1	69,401	1
1/4	1/4	160,869	1/4	149,880	1/4	138,349	1/4	126,817	1/4	115,286	1/4	103,754	1/4	92,223	1/4	80,692	1/4	69,160	1/4
1/2	1/2	160,809	1/2	149,640	1/2	138,108	1/2	126,577	1/2	115,046	1/2	103,514	1/2	91,983	1/2	80,451	1/2	68,920	1/2
3/4	3/4	160,729	3/4	149,400	3/4	137,868	3/4	126,337	3/4	114,805	3/4	103,274	3/4	91,743	3/4	80,211	3/4	68,680	3/4
2	2	160,589	2	149,159	2	137,628	2	126,097	2	114,565	2	103,034	2	91,502	2	79,971	2	68,440	2
1/4	1/4	160,372	1/4	148,919	1/4	137,388	1/4	125,856	1/4	114,325	1/4	102,794	1/4	91,262	1/4	79,731	1/4	68,199	1/4
1/2	1/2	160,156	1/2	148,679	1/2	137,147	1/2	125,616	1/2	114,085	1/2	102,553	1/2	91,022	1/2	79,491	1/2	67,959	1/2
3/4	3/4	159,939	3/4	148,439	3/4	136,907	3/4	125,376	3/4	113,844	3/4	102,313	3/4	90,782	3/4	79,250	3/4	67,719	3/4
3	3	159,722	3	148,198	3	136,667	3	125,136	3	113,604	3	102,073	3	90,541	3	79,010	3	67,479	3
1/4	1/4	159,483	1/4	147,958	1/4	136,427	1/4	124,895	1/4	113,364	1/4	101,833	1/4	90,301	1/4	78,770	1/4	67,238	1/4
1/2	1/2	159,244	1/2	147,718	1/2	136,187	1/2	124,655	1/2	113,124	1/2	101,592	1/2	90,061	1/2	78,530	1/2	66,998	1/2
3/4	3/4	159,006	3/4	147,478	3/4	135,946	3/4	124,415	3/4	112,884	3/4	101,352	3/4	89,821	3/4	78,289	3/4	66,758	3/4
4	4	158,767	4	147,237	4	135,706	4	124,175	4	112,643	4	101,112	4	89,580	4	78,049	4	66,518	4
1/4	1/4	158,527	1/4	146,997	1/4	135,466	1/4	123,934	1/4	112,403	1/4	100,872	1/4	89,340	1/4	77,809	1/4	66,277	1/4
1/2	1/2	158,287	1/2	146,757	1/2	135,226	1/2	123,694	1/2	112,163	1/2	100,631	1/2	89,100	1/2	77,569	1/2	66,037	1/2
3/4	3/4	158,048	3/4	146,517	3/4	134,985	3/4	123,454	3/4	111,923	3/4	100,391	3/4	88,860	3/4	77,328	3/4	65,797	3/4
5	5	157,808	5	146,276	5	134,745	5	123,214	5	111,682	5	100,151	5	88,620	5	77,088	5	65,557	5
1/4	1/4	157,568	1/4	146,036	1/4	134,505	1/4	122,973	1/4	111,442	1/4	99,911	1/4	88,379	1/4	76,848	1/4	65,317	1/4
1/2	1/2	157,327	1/2	145,796	1/2	134,265	1/2	122,733	1/2	111,202	1/2	99,670	1/2	88,139	1/2	76,608	1/2	65,076	1/2
3/4	3/4	157,087	3/4	145,556	3/4	134,024	3/4	122,493	3/4	110,962	3/4	99,430	3/4	87,899	3/4	76,367	3/4	64,836	3/4
6	6	156,847	6	145,316	6	133,784	6	122,253	6	110,721	6	99,190	6	87,659	6	76,127	6	64,596	6
1/4	1/4	156,607	1/4	145,075	1/4	133,544	1/4	122,013	1/4	110,481	1/4	98,950	1/4	87,418	1/4	75,887	1/4	64,356	1/4
1/2	1/2	156,366	1/2	144,835	1/2	133,304	1/2	121,772	1/2	110,241	1/2	98,710	1/2	87,178	1/2	75,647	1/2	64,115	1/2
3/4	3/4	156,126	3/4	144,595	3/4	133,063	3/4	121,532	3/4	110,001	3/4	98,469	3/4	86,938	3/4	75,407	3/4	63,875	3/4
7	7	155,886	7	144,355	7	132,823	7	121,292	7	109,760	7	98,229	7	86,698	7	75,166	7	63,635	7
1/4	1/4	155,646	1/4	144,114	1/4	132,583	1/4	121,052	1/4	109,520	1/4	97,989	1/4	86,457	1/4	74,926	1/4	63,395	1/4
1/2	1/2	155,405	1/2	143,874	1/2	132,343	1/2	120,811	1/2	109,280	1/2	97,749	1/2	86,217	1/2	74,686	1/2	63,154	1/2
3/4	3/4	155,165	3/4	143,634	3/4	132,102	3/4	120,571	3/4	109,040	3/4	97,508	3/4	85,977	3/4	74,446	3/4	62,914	3/4
8	8	154,925	8	143,394	8	131,862	8	120,331	8	108,799	8	97,268	8	85,737	8	74,205	8	62,674	8
1/4	1/4	154,685	1/4	143,153	1/4	131,622	1/4	120,091	1/4	108,559	1/4	97,028	1/4	85,496	1/4	73,965	1/4	62,434	1/4
1/2	1/2	154,445	1/2	142,913	1/2	131,382	1/2	119,850	1/2	108,319	1/2	96,788	1/2	85,256	1/2	73,725	1/2	62,193	1/2
3/4	3/4	154,204	3/4	142,673	3/4	131,142	3/4	119,610	3/4	108,079	3/4	96,547	3/4	85,016	3/4	73,485	3/4	61,953	3/4
9	9	153,964	9	142,433	9	130,901	9	119,370	9	107,839	9	96,307	9	84,776	9	73,244	9	61,713	9
1/4	1/4	153,724	1/4	142,192	1/4	130,661	1/4	119,130	1/4	107,598	1/4	96,067	1/4	84,536	1/4	73,004	1/4	61,473	1/4
1/2	1/2	153,484	1/2	141,952	1/2	130,421	1/2	118,889	1/2	107,358	1/2	95,827	1/2	84,295	1/2	72,764	1/2	61,233	1/2
3/4	3/4	153,243	3/4	141,712	3/4	130,181	3/4	118,649	3/4	107,118	3/4	95,586	3/4	84,055	3/4	72,524	3/4	60,992	3/4
10	10	153,003	10	141,472	10	129,940	10	118,409	10	106,878	10	95,346	10	83,815	10	72,283	10	60,752	10
1/4	1/4	152,763	1/4	141,231	1/4	129,700	1/4	118,169	1/4	106,637	1/4	95,106	1/4	83,575	1/4	72,043	1/4	60,512	1/4
1/2	1/2	152,523	1/2	140,991	1/2	129,460	1/2	117,928	1/2	106,397	1/2	94,866	1/2	83,334	1/2	71,803	1/2	60,272	1/2
3/4	3/4	152,282	3/4	140,751	3/4	129,220	3/4	117,688	3/4	106,157	3/4	94,625	3/4	83,094	3/4	71,563	3/4	60,031	3/4
11	11	152,042	11	140,511	11	128,979	11	117,448	11	105,917	11	94,385	11	82,854	11	71,322	11	59,791	11
1/4	1/4	151,802	1/4	140,271	1/4	128,739	1/4	117,208	1/4	105,676	1/4	94,145	1/4	82,614	1/4	71,082	1/4	59,551	1/4
1/2	1/2	151,562	1/2	140,030	1/2	128,499	1/2	116,968	1/2	105,436	1/2	93,905	1/2	82,373	1/2	70,842	1/2	59,311	1/2
3/4	3/4	151,321	3/4	139,790	3/4	128,259	3/4	116,727	3/4	105,196	3/4	93,665	3/4	82,133	3/4	70,602	3/4	59,070	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 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 77598
<http://www.pmacorp.net>





BARGE "IB 1971"

2 CENTER ULLAGE TABLE

GAUGE HEIGHT 15'-03"

CAPACITIES GIVEN IN WHOLE GALLONS

IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	58,830	0	35,795	0	24,518	0	12,987	0	1,468	0
1/4	58,590	1/4	35,562	1/4	24,278	1/4	12,747	1/4	1,267	1/4
1/2	58,350	1/2	46,818	1/2	24,038	1/2	12,507	1/2	1,067	1/2
3/4	58,109	3/4	35,096	3/4	23,798	3/4	12,267	3/4	867	3/4
1	57,869	1	34,862	1	23,557	1	12,026	1	667	1
1/4	57,629	1/4	34,629	1/4	23,317	1/4	11,786	1/4	467	1/4
1/2	57,389	1/2	34,396	1/2	23,077	1/2	11,546	1/2	267	1/2
3/4	57,148	3/4	34,163	3/4	22,837	3/4	11,306	3/4	67	3/4
2	56,908	2	33,930	2	22,596	2	11,065	2	187	2
1/4	56,668	1/4	33,697	1/4	22,356	1/4	10,825	1/4	147	1/4
1/2	56,428	1/2	33,463	1/2	22,116	1/2	10,585	1/2	107	1/2
3/4	56,188	3/4	33,230	3/4	21,876	3/4	10,345	3/4	67	3/4
3	55,947	3	32,997	3	21,635	3	10,105	3	26	3
1/4	55,707	1/4	32,764	1/4	21,395	1/4	9,864	1/4	14	1/4
1/2	55,467	1/2	32,531	1/2	21,155	1/2	9,624	1/2	12	1/2
3/4	55,227	3/4	32,298	3/4	20,915	3/4	9,384	3/4	34	3/4
4	54,986	4	32,064	4	20,675	4	9,144	4	4	4
1/4	54,746	1/4	31,831	1/4	20,434	1/4	8,903	1/4	14	1/4
1/2	54,506	1/2	31,598	1/2	20,194	1/2	8,663	1/2	12	1/2
3/4	54,266	3/4	31,365	3/4	19,954	3/4	8,423	3/4	34	3/4
5	54,025	5	31,132	5	19,714	5	8,183	5	5	5
1/4	53,785	1/4	30,899	1/4	19,473	1/4	7,943	1/4	14	1/4
1/2	53,545	1/2	30,665	1/2	19,233	1/2	7,702	1/2	12	1/2
3/4	53,305	3/4	30,432	3/4	18,993	3/4	7,462	3/4	34	3/4
6	53,064	6	30,199	6	18,753	6	7,222	6	6	6
1/4	52,824	1/4	29,966	1/4	18,513	1/4	6,982	1/4	14	1/4
1/2	52,584	1/2	29,733	1/2	18,272	1/2	6,741	1/2	12	1/2
3/4	52,344	3/4	29,500	3/4	18,032	3/4	6,501	3/4	34	3/4
7	52,103	7	29,266	7	17,792	7	6,261	7	7	7
1/4	51,863	1/4	29,033	1/4	17,552	1/4	6,021	1/4	14	1/4
1/2	51,623	1/2	28,800	1/2	17,311	1/2	5,781	1/2	12	1/2
3/4	51,383	3/4	28,567	3/4	17,071	3/4	5,540	3/4	34	3/4
8	51,143	8	28,334	8	16,831	8	5,300	8	8	8
1/4	50,902	1/4	28,100	1/4	16,591	1/4	5,060	1/4	14	1/4
1/2	50,662	1/2	27,867	1/2	16,350	1/2	4,820	1/2	12	1/2
3/4	50,422	3/4	27,634	3/4	16,110	3/4	4,579	3/4	34	3/4
9	50,182	9	27,401	9	15,870	9	4,339	9	9	9
1/4	49,941	1/4	27,161	1/4	15,630	1/4	4,099	1/4	14	1/4
1/2	49,701	1/2	26,921	1/2	15,390	1/2	3,859	1/2	12	1/2
3/4	49,461	3/4	26,680	3/4	15,149	3/4	3,619	3/4	34	3/4
10	49,221	10	26,440	10	14,909	10	3,379	10	10	10
1/4	48,980	1/4	26,200	1/4	14,669	1/4	3,139	1/4	14	1/4
1/2	48,740	1/2	25,960	1/2	14,429	1/2	2,899	1/2	12	1/2
3/4	48,500	3/4	25,719	3/4	14,188	3/4	2,660	3/4	34	3/4
11	48,260	11	25,479	11	13,948	11	2,420	11	11	11
1/4	48,019	1/4	25,239	1/4	13,708	1/4	2,182	1/4	14	1/4
1/2	47,779	1/2	24,999	1/2	13,468	1/2	1,944	1/2	12	1/2
3/4	47,539	3/4	24,758	3/4	13,228	3/4	1,706	3/4	34	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/05/2016 CL
 CALCULATED: 05/05/2016 CL
 PRINTED: 05/06/2016 JS
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 05/2016

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



BARGE "IB 1971"

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	150,423	0	138,998	0	127,573	0	116,148	0	104,723	0	93,299	0	81,874	0	70,449	0	59,024	0	47,599
1/4	1/4	160,170	1/4	148,745	1/4	137,320	1/4	125,895	1/4	114,470	1/4	103,045	1/4	91,620	1/4	80,195	1/4	68,770	1/4	57,345
1/2	1/2	180,160	1/2	168,735	1/2	157,310	1/2	145,885	1/2	134,460	1/2	123,035	1/2	111,610	1/2	100,185	1/2	88,760	1/2	77,335
3/4	3/4	160,101	3/4	149,676	3/4	138,251	3/4	126,826	3/4	115,401	3/4	103,976	3/4	92,551	3/4	81,126	3/4	69,701	3/4	58,276
1	1	160,041	1	149,616	1	138,191	1	126,766	1	115,341	1	103,916	1	92,491	1	81,066	1	69,641	1	58,211
1/4	1/4	159,982	1/4	149,557	1/4	138,132	1/4	126,707	1/4	115,282	1/4	103,857	1/4	92,432	1/4	81,007	1/4	69,577	1/4	58,152
1/2	1/2	159,922	1/2	149,497	1/2	138,072	1/2	126,647	1/2	115,222	1/2	103,797	1/2	92,372	1/2	80,947	1/2	69,517	1/2	58,092
3/4	3/4	159,863	3/4	149,438	3/4	138,013	3/4	126,587	3/4	115,162	3/4	103,737	3/4	92,312	3/4	80,887	3/4	69,457	3/4	58,032
2	2	159,804	2	149,379	2	137,954	2	126,529	2	115,103	2	103,678	2	92,253	2	80,828	2	69,402	2	58,002
1/4	1/4	159,745	1/4	149,320	1/4	137,895	1/4	126,474	1/4	115,048	1/4	103,623	1/4	92,203	1/4	80,773	1/4	69,357	1/4	57,957
1/2	1/2	159,686	1/2	149,261	1/2	137,836	1/2	126,415	1/2	114,989	1/2	103,564	1/2	92,148	1/2	80,718	1/2	69,308	1/2	57,908
3/4	3/4	159,627	3/4	149,202	3/4	137,777	3/4	126,356	3/4	114,930	3/4	103,505	3/4	92,093	3/4	80,663	3/4	69,259	3/4	57,859
3	3	159,568	3	149,143	3	137,718	3	126,297	3	114,871	3	103,446	3	92,034	3	80,608	3	69,214	3	57,814
1/4	1/4	159,509	1/4	149,084	1/4	137,659	1/4	126,238	1/4	114,812	1/4	103,387	1/4	91,975	1/4	80,553	1/4	69,169	1/4	57,769
1/2	1/2	159,450	1/2	149,025	1/2	137,600	1/2	126,179	1/2	114,753	1/2	103,328	1/2	91,916	1/2	80,498	1/2	69,124	1/2	57,724
3/4	3/4	159,391	3/4	148,966	3/4	137,541	3/4	126,120	3/4	114,694	3/4	103,269	3/4	91,857	3/4	80,443	3/4	69,079	3/4	57,679
4	4	159,332	4	148,907	4	137,482	4	126,061	4	114,635	4	103,210	4	91,798	4	80,388	4	69,034	4	57,634
1/4	1/4	159,273	1/4	148,848	1/4	137,423	1/4	126,002	1/4	114,576	1/4	103,151	1/4	91,739	1/4	80,333	1/4	68,989	1/4	57,589
1/2	1/2	159,214	1/2	148,789	1/2	137,364	1/2	125,943	1/2	114,517	1/2	103,092	1/2	91,680	1/2	80,284	1/2	68,944	1/2	57,544
3/4	3/4	159,155	3/4	148,730	3/4	137,305	3/4	125,884	3/4	114,458	3/4	103,033	3/4	91,621	3/4	80,235	3/4	68,899	3/4	57,499
5	5	159,096	5	148,671	5	137,246	5	125,825	5	114,399	5	102,974	5	91,562	5	80,186	5	68,854	5	57,454
1/4	1/4	159,037	1/4	148,612	1/4	137,187	1/4	125,766	1/4	114,340	1/4	102,915	1/4	91,503	1/4	80,137	1/4	68,809	1/4	57,409
1/2	1/2	158,978	1/2	148,553	1/2	137,128	1/2	125,707	1/2	114,281	1/2	102,856	1/2	91,444	1/2	80,088	1/2	68,764	1/2	57,364
3/4	3/4	158,919	3/4	148,494	3/4	137,069	3/4	125,648	3/4	114,222	3/4	102,797	3/4	91,385	3/4	80,039	3/4	68,719	3/4	57,319
6	6	158,860	6	148,435	6	137,010	6	125,589	6	114,163	6	102,738	6	91,326	6	80,000	6	68,674	6	57,274
1/4	1/4	158,801	1/4	148,376	1/4	136,951	1/4	125,530	1/4	114,104	1/4	102,679	1/4	91,267	1/4	79,951	1/4	68,629	1/4	57,229
1/2	1/2	158,742	1/2	148,317	1/2	136,892	1/2	125,471	1/2	114,045	1/2	102,620	1/2	91,208	1/2	79,902	1/2	68,584	1/2	57,184
3/4	3/4	158,683	3/4	148,258	3/4	136,833	3/4	125,412	3/4	113,986	3/4	102,561	3/4	91,149	3/4	79,853	3/4	68,539	3/4	57,139
7	7	158,624	7	148,199	7	136,774	7	125,353	7	113,927	7	102,502	7	91,090	7	79,804	7	68,494	7	57,094
1/4	1/4	158,565	1/4	148,140	1/4	136,715	1/4	125,294	1/4	113,868	1/4	102,443	1/4	91,031	1/4	79,755	1/4	68,449	1/4	57,049
1/2	1/2	158,506	1/2	148,081	1/2	136,656	1/2	125,235	1/2	113,809	1/2	102,384	1/2	90,972	1/2	79,706	1/2	68,404	1/2	57,004
3/4	3/4	158,447	3/4	148,022	3/4	136,597	3/4	125,176	3/4	113,750	3/4	102,325	3/4	90,913	3/4	79,657	3/4	68,359	3/4	56,959
8	8	158,388	8	147,963	8	136,538	8	125,117	8	113,691	8	102,266	8	90,854	8	79,608	8	68,314	8	56,914
1/4	1/4	158,329	1/4	147,904	1/4	136,479	1/4	125,058	1/4	113,632	1/4	102,207	1/4	90,795	1/4	79,559	1/4	68,269	1/4	56,869
1/2	1/2	158,270	1/2	147,845	1/2	136,420	1/2	125,000	1/2	113,573	1/2	102,148	1/2	90,736	1/2	79,510	1/2	68,224	1/2	56,824
3/4	3/4	158,211	3/4	147,786	3/4	136,361	3/4	124,941	3/4	113,514	3/4	102,089	3/4	90,677	3/4	79,461	3/4	68,179	3/4	56,779
9	9	158,152	9	147,727	9	136,302	9	124,882	9	113,455	9	102,030	9	90,618	9	79,412	9	68,134	9	56,734
1/4	1/4	158,093	1/4	147,668	1/4	136,243	1/4	124,823	1/4	113,396	1/4	101,971	1/4	90,559	1/4	79,363	1/4	68,089	1/4	56,689
1/2	1/2	158,034	1/2	147,609	1/2	136,184	1/2	124,764	1/2	113,337	1/2	101,912	1/2	90,500	1/2	79,314	1/2	68,044	1/2	56,644
3/4	3/4	157,975	3/4	147,550	3/4	136,125	3/4	124,705	3/4	113,278	3/4	101,853	3/4	90,441	3/4	79,265	3/4	68,000	3/4	56,600
10	10	157,916	10	147,491	10	136,066	10	124,646	10	113,219	10	101,794	10	90,382	10	79,216	10	67,955	10	56,555
1/4	1/4	157,857	1/4	147,432	1/4	136,007	1/4	124,587	1/4	113,160	1/4	101,735	1/4	90,323	1/4	79,167	1/4	67,910	1/4	56,510
1/2	1/2	157,798	1/2	147,373	1/2	135,948	1/2	124,528	1/2	113,101	1/2	101,676	1/2	90,264	1/2	79,118	1/2	67,865	1/2	56,465
3/4	3/4	157,739	3/4	147,314	3/4	135,889	3/4	124,469	3/4	113,042	3/4	101,617	3/4	90,205	3/4	79,069	3/4	67,820	3/4	56,420
11	11	157,680	11	147,255	11	135,830	11	124,410	11	112,983	11	101,558	11	90,146	11	79,020	11	67,775	11	56,375
1/4	1/4	157,621	1/4	147,196	1/4	135,771	1/4	124,351	1/4	112,924	1/4	101,499	1/4	90,087	1/4	78,971	1/4	67,730	1/4	56,330
1/2	1/2	157,562	1/2	147,137	1/2	135,712	1/2	124,292	1/2	112,865	1/2	101,440	1/2	90,028	1/2	78,922	1/2	67,685	1/2	56,285
3/4	3/4	157,503	3/4	147,078	3/4	135,653	3/4	124,233	3/4	112,806	3/4	101,381	3/4	89,969	3/4	78,873	3/4	67,640	3/4	56,240
12	12	157,444	12	147,019	12	135,594	12	124,174	12	112,747	12	101,322	12	89,910	12	78,824	12	67,595	12	56,195
1/4	1/4	157,385	1/4	146,960	1/4	135,535	1/4	124,115	1/4	112,688	1/4	101,263	1/4	89,851	1/4	78,775	1/4	67,550	1/4	56,150
1/2	1/2	157,326	1/2	146,901	1/2	135,476	1/2	124,056	1/2	112,629	1/2	101,204	1/2	89,792	1/2	78,726	1/2	67,505	1/2	56,105
3/4	3/4	157,267	3/4	146,842	3/4	135,417	3/4	124,000	3/4	112,570	3/4	101,145	3/4	89,733	3/4	78,677	3/4	67,460	3/4	56,060
13	13	157,208	13	146,783	13	135,358														



BARGE "IB 1971"

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	59,024	0	47,599	0	36,175	0	24,768	0	13,343	0	1,926	0	0	0	0	0	0	0	0
1/4	58,786	1/4	47,361	1/4	35,938	1/4	24,530	1/4	13,105	1/4	1,690	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,548	1/2	47,123	1/2	35,700	1/2	24,292	1/2	12,867	1/2	1,454	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,310	3/4	46,885	3/4	35,463	3/4	24,054	3/4	12,629	3/4	1,256	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	58,072	1	46,647	1	35,225	1	23,816	1	12,391	1	1,057	1	1	1	1	1	1	1	1
1/4	57,834	1/4	46,409	1/4	34,987	1/4	23,578	1/4	12,153	1/4	859	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,596	1/2	46,171	1/2	34,750	1/2	23,340	1/2	11,915	1/2	661	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,358	3/4	45,933	3/4	34,512	3/4	23,102	3/4	11,677	3/4	542	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	57,120	1	45,695	1	34,275	1	22,864	1	11,439	1	423	1	1	1	1	1	1	1	1
1/4	56,882	1/4	45,457	1/4	34,037	1/4	22,626	1/4	11,201	1/4	304	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,644	1/2	45,219	1/2	33,799	1/2	22,388	1/2	10,963	1/2	185	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,406	3/4	44,981	3/4	33,562	3/4	22,149	3/4	10,725	3/4	145	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	56,168	1	44,743	1	33,324	1	21,911	1	10,487	1	106	1	1	1	1	1	1	1	1
1/4	55,930	1/4	44,505	1/4	33,087	1/4	21,673	1/4	10,249	1/4	66	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,692	1/2	44,267	1/2	32,849	1/2	21,435	1/2	10,011	1/2	26	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,454	3/4	44,029	3/4	32,612	3/4	21,197	3/4	9,773	3/4	11	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	55,216	1	43,791	1	32,374	1	20,959	1	9,535	1	4	1	1	1	1	1	1	1	1
1/4	54,978	1/4	43,553	1/4	32,136	1/4	20,721	1/4	9,297	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,740	1/2	43,315	1/2	31,899	1/2	20,483	1/2	9,059	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,502	3/4	43,077	3/4	31,661	3/4	20,245	3/4	8,821	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	54,264	1	42,839	1	31,424	1	20,007	1	8,583	1	5	1	1	1	1	1	1	1	1
1/4	54,026	1/4	42,601	1/4	31,186	1/4	19,769	1/4	8,345	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,788	1/2	42,363	1/2	30,949	1/2	19,531	1/2	8,107	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,550	3/4	42,125	3/4	30,711	3/4	19,293	3/4	7,869	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	53,312	1	41,887	1	30,474	1	19,055	1	7,631	1	6	1	1	1	1	1	1	1	1
1/4	53,074	1/4	41,649	1/4	30,236	1/4	18,817	1/4	7,393	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,836	1/2	41,411	1/2	29,998	1/2	18,579	1/2	7,155	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,598	3/4	41,173	3/4	29,761	3/4	18,341	3/4	6,917	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	52,360	1	40,935	1	29,523	1	18,103	1	6,679	1	7	1	1	1	1	1	1	1	1
1/4	52,122	1/4	40,697	1/4	29,286	1/4	17,865	1/4	6,441	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51,884	1/2	40,459	1/2	29,048	1/2	17,627	1/2	6,203	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	51,646	3/4	40,221	3/4	28,811	3/4	17,389	3/4	5,965	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	51,408	1	39,983	1	28,573	1	17,151	1	5,727	1	8	1	1	1	1	1	1	1	1
1/4	51,170	1/4	39,745	1/4	28,335	1/4	16,913	1/4	5,489	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	50,932	1/2	39,507	1/2	28,098	1/2	16,675	1/2	5,251	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	50,694	3/4	39,269	3/4	27,860	3/4	16,437	3/4	5,013	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	50,456	1	39,031	1	27,623	1	16,199	1	4,775	1	9	1	1	1	1	1	1	1	1
1/4	50,218	1/4	38,793	1/4	27,385	1/4	15,961	1/4	4,537	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,980	1/2	38,555	1/2	27,148	1/2	15,723	1/2	4,299	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	49,742	3/4	38,317	3/4	26,910	3/4	15,485	3/4	4,061	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	49,504	1	38,079	1	26,672	1	15,247	1	3,823	1	10	1	1	1	1	1	1	1	1
1/4	49,266	1/4	37,841	1/4	26,434	1/4	15,009	1/4	3,585	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	49,028	1/2	37,603	1/2	26,196	1/2	14,771	1/2	3,347	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48,790	3/4	37,365	3/4	25,958	3/4	14,533	3/4	3,110	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	48,551	1	37,127	1	25,720	1	14,295	1	2,873	1	11	1	1	1	1	1	1	1	1
1/4	48,313	1/4	36,889	1/4	25,482	1/4	14,057	1/4	2,635	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	48,075	1/2	36,651	1/2	25,244	1/2	13,819	1/2	2,398	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	47,837	3/4	36,413	3/4	25,006	3/4	13,581	3/4	2,162	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: 05/05/2016 CL
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PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2052
 Pearland, Texas 77588
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