



BARGE "IB 1954"

INNAGE 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	00-0/8	- 00-0/8
2 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
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 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 182'-09"

June 18, 2015

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

<http://www.pmacorp.net>



BARGE "IB 1954"

3 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	86	0	10,379	0	21,816	0	33,241	0	44,671	0	56,108	0	67,545	0	78,982	0	90,419	0	101,856
1/4	155	1/4	10,617	1/4	22,054	1/4	33,478	1/4	44,910	1/4	56,347	1/4	67,783	1/4	79,220	1/4	90,657	1/4	102,094
1/2	225	1/2	10,856	1/2	22,292	1/2	33,716	1/2	45,148	1/2	56,585	1/2	68,022	1/2	79,459	1/2	90,895	1/2	102,332
3/4	294	3/4	11,094	3/4	22,530	3/4	33,954	3/4	45,386	3/4	56,823	3/4	68,260	3/4	79,697	3/4	91,134	3/4	102,571
1	364	1	11,332	1	22,769	1	34,192	1	45,624	1	57,061	1	68,498	1	79,935	1	91,372	1	102,809
1/4	513	1/4	11,570	1/4	23,007	1/4	34,430	1/4	45,863	1/4	57,300	1/4	68,736	1/4	80,173	1/4	91,610	1/4	103,047
1/2	662	1/2	11,809	1/2	23,245	1/2	34,668	1/2	46,101	1/2	57,538	1/2	68,975	1/2	80,412	1/2	91,849	1/2	103,285
3/4	810	3/4	12,047	3/4	23,483	3/4	34,905	3/4	46,339	3/4	57,776	3/4	69,213	3/4	80,650	3/4	92,087	3/4	103,524
2	959	2	12,285	2	23,722	2	35,143	2	46,578	2	58,014	2	69,451	2	80,888	2	92,325	2	103,762
1/4	1,172	1/4	12,523	1/4	23,960	1/4	35,381	1/4	46,816	1/4	58,253	1/4	69,690	1/4	81,126	1/4	92,563	1/4	104,000
1/2	1,385	1/2	12,762	1/2	24,198	1/2	35,619	1/2	47,054	1/2	58,491	1/2	69,928	1/2	81,365	1/2	92,802	1/2	104,238
3/4	1,597	3/4	13,000	3/4	24,436	3/4	35,857	3/4	47,292	3/4	58,729	3/4	70,166	3/4	81,603	3/4	93,040	3/4	104,477
3	1,810	3	13,238	3	24,675	3	36,095	3	47,531	3	58,967	3	70,404	3	81,841	3	93,278	3	104,715
1/4	2,047	1/4	13,476	1/4	24,913	1/4	36,333	1/4	47,769	1/4	59,206	1/4	70,643	1/4	82,080	1/4	93,516	1/4	104,953
1/2	2,283	1/2	13,715	1/2	25,151	1/2	36,571	1/2	48,007	1/2	59,444	1/2	70,881	1/2	82,318	1/2	93,755	1/2	105,192
3/4	2,520	3/4	13,953	3/4	25,389	3/4	36,809	3/4	48,245	3/4	59,682	3/4	71,119	3/4	82,556	3/4	93,993	3/4	105,430
4	2,757	4	14,191	4	25,628	4	37,047	4	48,484	4	59,921	4	71,357	4	82,794	4	94,231	4	105,668
1/4	2,995	1/4	14,429	1/4	25,866	1/4	37,285	1/4	48,722	1/4	60,159	1/4	71,596	1/4	83,033	1/4	94,469	1/4	105,906
1/2	3,232	1/2	14,668	1/2	26,104	1/2	37,523	1/2	48,960	1/2	60,397	1/2	71,834	1/2	83,271	1/2	94,708	1/2	106,145
3/4	3,470	3/4	14,906	3/4	26,342	3/4	37,762	3/4	49,198	3/4	60,635	3/4	72,072	3/4	83,509	3/4	94,946	3/4	106,383
5	3,708	5	15,144	5	26,581	5	38,000	5	49,437	5	60,874	5	72,311	5	83,747	5	95,184	5	106,621
1/4	3,946	1/4	15,383	1/4	26,819	1/4	38,238	1/4	49,675	1/4	61,112	1/4	72,549	1/4	83,986	1/4	95,423	1/4	106,859
1/2	4,185	1/2	15,621	1/2	27,057	1/2	38,476	1/2	49,913	1/2	61,350	1/2	72,787	1/2	84,224	1/2	95,661	1/2	107,098
3/4	4,423	3/4	15,859	3/4	27,295	3/4	38,715	3/4	50,152	3/4	61,588	3/4	73,025	3/4	84,462	3/4	95,899	3/4	107,336
6	4,661	6	16,097	6	27,533	6	38,953	6	50,390	6	61,827	6	73,264	6	84,700	6	96,137	6	107,574
1/4	4,899	1/4	16,336	1/4	27,771	1/4	39,191	1/4	50,628	1/4	62,065	1/4	73,502	1/4	84,939	1/4	96,376	1/4	107,813
1/2	5,138	1/2	16,574	1/2	28,009	1/2	39,429	1/2	50,866	1/2	62,303	1/2	73,740	1/2	85,177	1/2	96,614	1/2	108,051
3/4	5,376	3/4	16,812	3/4	28,247	3/4	39,668	3/4	51,105	3/4	62,542	3/4	73,978	3/4	85,415	3/4	96,852	3/4	108,289
7	5,614	7	17,050	7	28,484	7	39,906	7	51,343	7	62,780	7	74,217	7	85,654	7	97,090	7	108,527
1/4	5,852	1/4	17,289	1/4	28,722	1/4	40,144	1/4	51,581	1/4	63,018	1/4	74,455	1/4	85,892	1/4	97,329	1/4	108,766
1/2	6,091	1/2	17,527	1/2	28,960	1/2	40,383	1/2	51,819	1/2	63,256	1/2	74,693	1/2	86,130	1/2	97,567	1/2	109,004
3/4	6,329	3/4	17,765	3/4	29,198	3/4	40,621	3/4	52,058	3/4	63,495	3/4	74,931	3/4	86,368	3/4	97,805	3/4	109,242
8	6,567	8	18,003	8	29,436	8	40,859	8	52,296	8	63,733	8	75,170	8	86,607	8	98,044	8	109,480
1/4	6,805	1/4	18,242	1/4	29,673	1/4	41,097	1/4	52,534	1/4	63,971	1/4	75,408	1/4	86,845	1/4	98,282	1/4	109,719
1/2	7,044	1/2	18,480	1/2	29,911	1/2	41,336	1/2	52,772	1/2	64,209	1/2	75,646	1/2	87,083	1/2	98,520	1/2	109,957
3/4	7,282	3/4	18,718	3/4	30,149	3/4	41,574	3/4	53,011	3/4	64,448	3/4	75,885	3/4	87,321	3/4	98,758	3/4	110,195
9	7,520	9	18,956	9	30,387	9	41,812	9	53,249	9	64,686	9	76,123	9	87,560	9	98,997	9	110,433
1/4	7,758	1/4	19,195	1/4	30,625	1/4	42,050	1/4	53,487	1/4	64,924	1/4	76,361	1/4	87,798	1/4	99,235	1/4	110,672
1/2	7,996	1/2	19,433	1/2	30,862	1/2	42,289	1/2	53,726	1/2	65,162	1/2	76,599	1/2	88,036	1/2	99,473	1/2	110,910
3/4	8,235	3/4	19,671	3/4	31,100	3/4	42,527	3/4	53,964	3/4	65,401	3/4	76,838	3/4	88,275	3/4	99,711	3/4	111,148
10	8,473	10	19,909	10	31,338	10	42,765	10	54,202	10	65,639	10	77,076	10	88,513	10	99,950	10	111,387
1/4	8,711	1/4	20,148	1/4	31,576	1/4	43,003	1/4	54,440	1/4	65,877	1/4	77,314	1/4	88,751	1/4	100,188	1/4	111,625
1/2	8,950	1/2	20,386	1/2	31,814	1/2	43,242	1/2	54,679	1/2	66,116	1/2	77,552	1/2	88,989	1/2	100,426	1/2	111,863
3/4	9,188	3/4	20,624	3/4	32,052	3/4	43,480	3/4	54,917	3/4	66,354	3/4	77,791	3/4	89,228	3/4	100,664	3/4	112,101
11	9,426	11	20,862	11	32,289	11	43,718	11	55,155	11	66,592	11	78,029	11	89,466	11	100,903	11	112,340
1/4	9,664	1/4	21,101	1/4	32,527	1/4	43,957	1/4	55,393	1/4	66,830	1/4	78,267	1/4	89,704	1/4	101,141	1/4	112,578
1/2	9,903	1/2	21,339	1/2	32,765	1/2	44,195	1/2	55,632	1/2	67,069	1/2	78,505	1/2	89,942	1/2	101,379	1/2	112,816
3/4	10,141	3/4	21,577	3/4	33,003	3/4	44,433	3/4	55,870	3/4	67,307	3/4	78,744	3/4	90,181	3/4	101,618	3/4	113,054

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 INNAGE 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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BARGE "IB 1954"

3 CENTER INNAGE 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	113,293	0	124,730	0	136,166	0	147,603	0	159,009	0		0		0		0		0	
1/4	113,531	1/4	124,968	1/4	136,405	1/4	147,842	1/4	159,203	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,769	1/2	125,206	1/2	136,643	1/2	148,080	1/2	159,397	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,008	3/4	125,444	3/4	136,881	3/4	148,318	3/4	159,592	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	114,246	1	125,683	1	137,120	1	148,556	1	159,786	1	1	1	1	1	1	1	1	1	1
1/4	114,484	1/4	125,921	1/4	137,358	1/4	148,795	1/4	159,905	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,722	1/2	126,159	1/2	137,596	1/2	149,033	1/2	160,024	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,961	3/4	126,397	3/4	137,834	3/4	149,271	3/4	160,143	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	115,199	2	126,636	2	138,073	2	149,510	2	160,262	2	2	2	2	2	2	2	2	2	2
1/4	115,437	1/4	126,874	1/4	138,311	1/4	149,748	1/4	160,311	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	115,675	1/2	127,112	1/2	138,549	1/2	149,986	1/2	160,360	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	115,914	3/4	127,351	3/4	138,787	3/4	150,224	3/4	160,409	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	116,152	3	127,589	3	139,026	3	150,463	3	160,459	3	3	3	3	3	3	3	3	3	3
1/4	116,390	1/4	127,827	1/4	139,264	1/4	150,701	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	116,628	1/2	128,065	1/2	139,502	1/2	150,939	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	116,867	3/4	128,304	3/4	139,741	3/4	151,177	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	117,105	4	128,542	4	139,979	4	151,416	4	4	4	4	4	4	4	4	4	4	4	4
1/4	117,343	1/4	128,780	1/4	140,217	1/4	151,654	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,582	1/2	129,018	1/2	140,455	1/2	151,892	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	117,820	3/4	129,257	3/4	140,694	3/4	152,130	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	118,058	5	129,495	5	140,932	5	152,369	5	5	5	5	5	5	5	5	5	5	5	5
1/4	118,296	1/4	129,733	1/4	141,170	1/4	152,607	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,535	1/2	129,971	1/2	141,408	1/2	152,845	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,773	3/4	130,210	3/4	141,647	3/4	153,084	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	119,011	6	130,448	6	141,885	6	153,322	6	6	6	6	6	6	6	6	6	6	6	6
1/4	119,249	1/4	130,686	1/4	142,123	1/4	153,560	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,488	1/2	130,925	1/2	142,361	1/2	153,798	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,726	3/4	131,163	3/4	142,600	3/4	154,037	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	119,964	7	131,401	7	142,838	7	154,275	7	7	7	7	7	7	7	7	7	7	7	7
1/4	120,202	1/4	131,639	1/4	143,076	1/4	154,513	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,441	1/2	131,878	1/2	143,315	1/2	154,751	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,679	3/4	132,116	3/4	143,553	3/4	154,990	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	120,917	8	132,354	8	143,791	8	155,228	8	8	8	8	8	8	8	8	8	8	8	8
1/4	121,156	1/4	132,592	1/4	144,029	1/4	155,466	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,394	1/2	132,831	1/2	144,268	1/2	155,704	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,632	3/4	133,069	3/4	144,506	3/4	155,943	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	121,870	9	133,307	9	144,744	9	156,181	9	9	9	9	9	9	9	9	9	9	9	9
1/4	122,109	1/4	133,546	1/4	144,982	1/4	156,419	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,347	1/2	133,784	1/2	145,221	1/2	156,657	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,585	3/4	134,022	3/4	145,459	3/4	156,895	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	122,823	10	134,260	10	145,697	10	157,134	10	10	10	10	10	10	10	10	10	10	10	10
1/4	123,062	1/4	134,499	1/4	145,935	1/4	157,371	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,300	1/2	134,737	1/2	146,174	1/2	157,609	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,538	3/4	134,975	3/4	146,412	3/4	157,846	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	123,777	11	135,213	11	146,650	11	158,084	11	11	11	11	11	11	11	11	11	11	11	11
1/4	124,015	1/4	135,452	1/4	146,889	1/4	158,315	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,253	1/2	135,690	1/2	147,127	1/2	158,546	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,491	3/4	135,928	3/4	147,365	3/4	158,777	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: 06/15/2015 CL
CALCULATED: 06/15/2015 CL
PRINTED: 06/18/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2015

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



BARGE "IB 1954"

2 CENTER INNAGE 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	86	0	10,454	0	21,973	0	33,311	0	44,729	0	56,248	0	67,768	0	79,287	0	90,807	0	102,326
1/4	156	1/4	10,694	1/4	22,213	1/4	33,544	1/4	44,969	1/4	56,488	1/4	68,008	1/4	79,527	1/4	91,047	1/4	102,566
1/2	226	1/2	10,934	1/2	22,453	1/2	33,777	1/2	45,209	1/2	56,728	1/2	68,248	1/2	79,767	1/2	91,287	1/2	102,806
3/4	296	3/4	11,174	3/4	22,693	3/4	34,010	3/4	45,449	3/4	56,968	3/4	68,488	3/4	80,007	3/4	91,527	3/4	103,046
1	366	1	11,414	1	22,933	1	34,243	1	45,689	1	57,208	1	68,728	1	80,247	1	91,767	1	103,286
1/4	516	1/4	11,654	1/4	23,173	1/4	34,476	1/4	45,929	1/4	57,448	1/4	68,968	1/4	80,487	1/4	92,007	1/4	103,526
1/2	666	1/2	11,894	1/2	23,413	1/2	34,709	1/2	46,169	1/2	57,688	1/2	69,208	1/2	80,727	1/2	92,247	1/2	103,766
3/4	816	3/4	12,134	3/4	23,653	3/4	34,942	3/4	46,409	3/4	57,928	3/4	69,448	3/4	80,967	3/4	92,487	3/4	104,006
2	966	2	12,374	2	23,893	2	35,175	2	46,649	2	58,168	2	69,688	2	81,207	2	92,727	2	104,246
1/4	1,180	1/4	12,614	1/4	24,133	1/4	35,408	1/4	46,889	1/4	58,408	1/4	69,928	1/4	81,447	1/4	92,967	1/4	104,486
1/2	1,394	1/2	12,854	1/2	24,373	1/2	35,641	1/2	47,129	1/2	58,648	1/2	70,168	1/2	81,687	1/2	93,207	1/2	104,726
3/4	1,608	3/4	13,094	3/4	24,613	3/4	35,874	3/4	47,369	3/4	58,888	3/4	70,408	3/4	81,927	3/4	93,447	3/4	104,966
3	1,823	3	13,334	3	24,853	3	36,107	3	47,609	3	59,128	3	70,648	3	82,167	3	93,687	3	105,206
1/4	2,061	1/4	13,574	1/4	25,093	1/4	36,342	1/4	47,849	1/4	59,368	1/4	70,888	1/4	82,407	1/4	93,927	1/4	105,446
1/2	2,300	1/2	13,814	1/2	25,333	1/2	36,578	1/2	48,089	1/2	59,608	1/2	71,128	1/2	82,647	1/2	94,167	1/2	105,686
3/4	2,538	3/4	14,054	3/4	25,573	3/4	36,813	3/4	48,329	3/4	59,848	3/4	71,368	3/4	82,887	3/4	94,406	3/4	105,926
4	2,776	4	14,294	4	25,813	4	37,049	4	48,569	4	60,088	4	71,608	4	83,127	4	94,646	4	106,166
1/4	3,016	1/4	14,533	1/4	26,053	1/4	37,289	1/4	48,809	1/4	60,328	1/4	71,848	1/4	83,367	1/4	94,886	1/4	106,406
1/2	3,256	1/2	14,773	1/2	26,293	1/2	37,529	1/2	49,049	1/2	60,568	1/2	72,087	1/2	83,607	1/2	95,126	1/2	106,646
3/4	3,495	3/4	15,013	3/4	26,532	3/4	37,769	3/4	49,289	3/4	60,808	3/4	72,327	3/4	83,847	3/4	95,366	3/4	106,886
5	3,735	5	15,253	5	26,772	5	38,009	5	49,528	5	61,048	5	72,567	5	84,087	5	95,606	5	107,126
1/4	3,975	1/4	15,493	1/4	27,010	1/4	38,249	1/4	49,768	1/4	61,288	1/4	72,807	1/4	84,327	1/4	95,846	1/4	107,366
1/2	4,215	1/2	15,733	1/2	27,247	1/2	38,489	1/2	50,008	1/2	61,528	1/2	73,047	1/2	84,567	1/2	96,086	1/2	107,606
3/4	4,455	3/4	15,973	3/4	27,484	3/4	38,729	3/4	50,248	3/4	61,768	3/4	73,287	3/4	84,807	3/4	96,326	3/4	107,846
6	4,694	6	16,213	6	27,722	6	38,969	6	50,488	6	62,008	6	73,527	6	85,047	6	96,566	6	108,086
1/4	4,934	1/4	16,453	1/4	27,955	1/4	39,209	1/4	50,728	1/4	62,248	1/4	73,767	1/4	85,287	1/4	96,806	1/4	108,326
1/2	5,174	1/2	16,693	1/2	28,188	1/2	39,449	1/2	50,968	1/2	62,488	1/2	74,007	1/2	85,527	1/2	97,046	1/2	108,566
3/4	5,414	3/4	16,933	3/4	28,420	3/4	39,689	3/4	51,208	3/4	62,728	3/4	74,247	3/4	85,767	3/4	97,286	3/4	108,806
7	5,654	7	17,173	7	28,653	7	39,929	7	51,448	7	62,968	7	74,487	7	86,007	7	97,526	7	109,046
1/4	5,894	1/4	17,413	1/4	28,886	1/4	40,169	1/4	51,688	1/4	63,208	1/4	74,727	1/4	86,247	1/4	97,766	1/4	109,286
1/2	6,134	1/2	17,653	1/2	29,119	1/2	40,409	1/2	51,928	1/2	63,448	1/2	74,967	1/2	86,487	1/2	98,006	1/2	109,526
3/4	6,374	3/4	17,893	3/4	29,352	3/4	40,649	3/4	52,168	3/4	63,688	3/4	75,207	3/4	86,727	3/4	98,246	3/4	109,766
8	6,614	8	18,133	8	29,585	8	40,889	8	52,408	8	63,928	8	75,447	8	86,967	8	98,486	8	110,006
1/4	6,854	1/4	18,373	1/4	29,818	1/4	41,129	1/4	52,648	1/4	64,168	1/4	75,687	1/4	87,207	1/4	98,726	1/4	110,246
1/2	7,094	1/2	18,613	1/2	30,051	1/2	41,369	1/2	52,888	1/2	64,408	1/2	75,927	1/2	87,447	1/2	98,966	1/2	110,486
3/4	7,334	3/4	18,853	3/4	30,284	3/4	41,609	3/4	53,128	3/4	64,648	3/4	76,167	3/4	87,687	3/4	99,206	3/4	110,726
9	7,574	9	19,093	9	30,517	9	41,849	9	53,368	9	64,888	9	76,407	9	87,927	9	99,446	9	110,966
1/4	7,814	1/4	19,333	1/4	30,750	1/4	42,089	1/4	53,608	1/4	65,128	1/4	76,647	1/4	88,167	1/4	99,686	1/4	111,206
1/2	8,054	1/2	19,573	1/2	30,982	1/2	42,329	1/2	53,848	1/2	65,368	1/2	76,887	1/2	88,407	1/2	99,926	1/2	111,446
3/4	8,294	3/4	19,813	3/4	31,215	3/4	42,569	3/4	54,088	3/4	65,608	3/4	77,127	3/4	88,647	3/4	100,166	3/4	111,686
10	8,534	10	20,053	10	31,448	10	42,809	10	54,328	10	65,848	10	77,367	10	88,887	10	100,406	10	111,926
1/4	8,774	1/4	20,293	1/4	31,681	1/4	43,049	1/4	54,568	1/4	66,088	1/4	77,607	1/4	89,127	1/4	100,646	1/4	112,166
1/2	9,014	1/2	20,533	1/2	31,914	1/2	43,289	1/2	54,808	1/2	66,328	1/2	77,847	1/2	89,367	1/2	100,886	1/2	112,406
3/4	9,254	3/4	20,773	3/4	32,147	3/4	43,529	3/4	55,048	3/4	66,568	3/4	78,087	3/4	89,607	3/4	101,126	3/4	112,646
11	9,494	11	21,013	11	32,380	11	43,769	11	55,288	11	66,808	11	78,327	11	89,847	11	101,366	11	112,886
1/4	9,734	1/4	21,253	1/4	32,613	1/4	44,009	1/4	55,528	1/4	67,048	1/4	78,567	1/4	90,087	1/4	101,606	1/4	113,126
1/2	9,974	1/2	21,493	1/2	32,846	1/2	44,249	1/2	55,768	1/2	67,288	1/2	78,807	1/2	90,327	1/2	101,846	1/2	113,366
3/4	10,214	3/4	21,733	3/4	33,079	3/4	44,489	3/4	56,008	3/4	67,528	3/4	79,047	3/4	90,567	3/4	102,086	3/4	113,606

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 INNAGE 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 1954"

2 CENTER INNAGE 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	113,846	0	125,365	0	136,885	0	148,404	0	159,892	0		0		0		0		0	
1/4	114,086	1/4	125,605	1/4	137,125	1/4	148,644	1/4	160,087	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,326	1/2	125,845	1/2	137,365	1/2	148,884	1/2	160,283	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,566	3/4	126,085	3/4	137,605	3/4	149,124	3/4	160,479	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	114,806	1	126,325	1	137,845	1	149,364	1	160,675	1	1	1	1	1	1	1	1	1	1
1/4	115,046	1/4	126,565	1/4	138,085	1/4	149,604	1/4	160,795	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	115,286	1/2	126,805	1/2	138,325	1/2	149,844	1/2	160,915	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	115,526	3/4	127,045	3/4	138,565	3/4	150,084	3/4	161,035	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	115,766	2	127,285	2	138,805	2	150,324	2	161,155	2	2	2	2	2	2	2	2	2	2
1/4	116,006	1/4	127,525	1/4	139,045	1/4	150,564	1/4	161,204	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	116,246	1/2	127,765	1/2	139,284	1/2	150,804	1/2	161,253	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	116,486	3/4	128,005	3/4	139,524	3/4	151,044	3/4	161,303	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	116,726	3	128,245	3	139,764	3	151,284	3	161,352	3	3	3	3	3	3	3	3	3	3
1/4	116,965	1/4	128,485	1/4	140,004	1/4	151,524	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,205	1/2	128,725	1/2	140,244	1/2	151,764	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	117,445	3/4	128,965	3/4	140,484	3/4	152,004	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	117,685	4	129,205	4	140,724	4	152,244	4		4	4	4	4	4	4	4	4	4	4
1/4	117,925	1/4	129,445	1/4	140,964	1/4	152,484	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,165	1/2	129,685	1/2	141,204	1/2	152,724	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,405	3/4	129,925	3/4	141,444	3/4	152,964	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	118,645	5	130,165	5	141,684	5	153,204	5		5	5	5	5	5	5	5	5	5	5
1/4	118,885	1/4	130,405	1/4	141,924	1/4	153,444	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,125	1/2	130,645	1/2	142,164	1/2	153,684	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,365	3/4	130,885	3/4	142,404	3/4	153,924	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	119,605	6	131,125	6	142,644	6	154,164	6		6	6	6	6	6	6	6	6	6	6
1/4	119,845	1/4	131,365	1/4	142,884	1/4	154,404	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,085	1/2	131,605	1/2	143,124	1/2	154,644	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,325	3/4	131,845	3/4	143,364	3/4	154,884	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	120,565	7	132,085	7	143,604	7	155,124	7		7	7	7	7	7	7	7	7	7	7
1/4	120,805	1/4	132,325	1/4	143,844	1/4	155,364	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,045	1/2	132,565	1/2	144,084	1/2	155,604	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,285	3/4	132,805	3/4	144,324	3/4	155,844	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	121,525	8	133,045	8	144,564	8	156,084	8		8	8	8	8	8	8	8	8	8	8
1/4	121,765	1/4	133,285	1/4	144,804	1/4	156,324	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,005	1/2	133,525	1/2	145,044	1/2	156,564	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,245	3/4	133,765	3/4	145,284	3/4	156,804	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	122,485	9	134,005	9	145,524	9	157,044	9		9	9	9	9	9	9	9	9	9	9
1/4	122,725	1/4	134,245	1/4	145,764	1/4	157,284	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	122,965	1/2	134,485	1/2	146,004	1/2	157,523	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,205	3/4	134,725	3/4	146,244	3/4	157,763	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	123,445	10	134,965	10	146,484	10	158,003	10		10	10	10	10	10	10	10	10	10	10
1/4	123,685	1/4	135,205	1/4	146,724	1/4	158,242	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,925	1/2	135,445	1/2	146,964	1/2	158,482	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,165	3/4	135,685	3/4	147,204	3/4	158,721	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	124,405	11	135,925	11	147,444	11	158,960	11		11	11	11	11	11	11	11	11	11	11
1/4	124,645	1/4	136,165	1/4	147,684	1/4	159,193	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,885	1/2	136,405	1/2	147,924	1/2	159,426	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,125	3/4	136,645	3/4	148,164	3/4	159,659	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: 06/15/2015 CL
CALCULATED: 06/15/2015 CL
PRINTED: 06/18/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2015

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



BARGE "IB 1954"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	89	0	10,889	0	22,872	0	34,685	0	46,567	0	58,543	0	70,503	0	82,485	0	94,468	0	106,450
1/4	162	1/4	11,139	1/4	23,122	1/4	34,928	1/4	46,817	1/4	58,792	1/4	70,752	1/4	82,735	1/4	94,717	1/4	106,700
1/2	235	1/2	11,388	1/2	23,371	1/2	35,171	1/2	47,066	1/2	59,041	1/2	71,002	1/2	82,985	1/2	94,967	1/2	106,949
3/4	308	3/4	11,638	3/4	23,621	3/4	35,414	3/4	47,316	3/4	59,290	3/4	71,252	3/4	83,234	3/4	95,217	3/4	107,199
1	381	1	11,888	1	23,871	1	35,657	1	47,565	1	59,539	1	71,501	1	83,484	1	95,466	1	107,449
1/4	537	1/4	12,137	1/4	24,120	1/4	35,900	1/4	47,815	1/4	59,788	1/4	71,751	1/4	83,734	1/4	95,716	1/4	107,698
1/2	693	1/2	12,387	1/2	24,370	1/2	36,143	1/2	48,064	1/2	60,037	1/2	72,001	1/2	83,983	1/2	95,965	1/2	107,948
3/4	850	3/4	12,637	3/4	24,620	3/4	36,386	3/4	48,314	3/4	60,286	3/4	72,250	3/4	84,233	3/4	96,215	3/4	108,197
2	1,006	2	12,886	2	24,869	2	36,629	2	48,563	2	60,535	2	72,500	2	84,483	2	96,465	2	108,447
1/4	1,229	1/4	13,136	1/4	25,119	1/4	36,872	1/4	48,813	1/4	60,784	1/4	72,749	1/4	84,732	1/4	96,714	1/4	108,697
1/2	1,452	1/2	13,385	1/2	25,369	1/2	37,115	1/2	49,062	1/2	61,034	1/2	72,999	1/2	84,982	1/2	96,964	1/2	108,946
3/4	1,676	3/4	13,635	3/4	25,618	3/4	37,358	3/4	49,312	3/4	61,283	3/4	73,249	3/4	85,231	3/4	97,213	3/4	109,196
3	1,899	3	13,885	3	25,868	3	37,601	3	49,561	3	61,532	3	73,498	3	85,481	3	97,463	3	109,446
1/4	2,147	1/4	14,134	1/4	26,118	1/4	37,847	1/4	49,811	1/4	61,781	1/4	73,748	1/4	85,731	1/4	97,713	1/4	109,695
1/2	2,396	1/2	14,384	1/2	26,367	1/2	38,092	1/2	50,060	1/2	62,030	1/2	73,998	1/2	85,980	1/2	97,962	1/2	109,945
3/4	2,645	3/4	14,634	3/4	26,617	3/4	38,338	3/4	50,310	3/4	62,279	3/4	74,247	3/4	86,230	3/4	98,212	3/4	110,195
4	2,893	4	14,883	4	26,867	4	38,583	4	50,559	4	62,528	4	74,497	4	86,480	4	98,462	4	110,444
1/4	3,143	1/4	15,133	1/4	27,116	1/4	38,832	1/4	50,809	1/4	62,777	1/4	74,747	1/4	86,729	1/4	98,711	1/4	110,694
1/2	3,393	1/2	15,383	1/2	27,366	1/2	39,082	1/2	51,059	1/2	63,026	1/2	74,996	1/2	86,979	1/2	98,961	1/2	110,943
3/4	3,642	3/4	15,632	3/4	27,615	3/4	39,331	3/4	51,308	3/4	63,275	3/4	75,246	3/4	87,229	3/4	99,210	3/4	111,193
5	3,892	5	15,882	5	27,865	5	39,581	5	51,558	5	63,524	5	75,496	5	87,478	5	99,460	5	111,443
1/4	4,142	1/4	16,132	1/4	28,112	1/4	39,831	1/4	51,807	1/4	63,773	1/4	75,745	1/4	87,728	1/4	99,710	1/4	111,692
1/2	4,392	1/2	16,381	1/2	28,359	1/2	40,080	1/2	52,057	1/2	64,022	1/2	75,995	1/2	87,978	1/2	99,959	1/2	111,942
3/4	4,642	3/4	16,631	3/4	28,607	3/4	40,330	3/4	52,306	3/4	64,271	3/4	76,244	3/4	88,227	3/4	100,209	3/4	112,192
6	4,892	6	16,881	6	28,854	6	40,579	6	52,556	6	64,520	6	76,494	6	88,477	6	100,459	6	112,441
1/4	5,142	1/4	17,130	1/4	29,097	1/4	40,829	1/4	52,805	1/4	64,769	1/4	76,744	1/4	88,726	1/4	100,708	1/4	112,691
1/2	5,393	1/2	17,380	1/2	29,340	1/2	41,078	1/2	53,055	1/2	65,018	1/2	76,993	1/2	88,976	1/2	100,958	1/2	112,941
3/4	5,643	3/4	17,630	3/4	29,583	3/4	41,328	3/4	53,304	3/4	65,267	3/4	77,243	3/4	89,226	3/4	101,208	3/4	113,190
7	5,893	7	17,879	7	29,826	7	41,577	7	53,554	7	65,516	7	77,493	7	89,475	7	101,457	7	113,440
1/4	6,143	1/4	18,129	1/4	30,069	1/4	41,827	1/4	53,803	1/4	65,765	1/4	77,742	1/4	89,725	1/4	101,707	1/4	113,690
1/2	6,392	1/2	18,378	1/2	30,312	1/2	42,076	1/2	54,053	1/2	66,014	1/2	77,992	1/2	89,975	1/2	101,956	1/2	113,939
3/4	6,642	3/4	18,628	3/4	30,555	3/4	42,326	3/4	54,302	3/4	66,263	3/4	78,242	3/4	90,224	3/4	102,206	3/4	114,189
8	6,892	8	18,878	8	30,798	8	42,575	8	54,552	8	66,512	8	78,491	8	90,474	8	102,456	8	114,438
1/4	7,142	1/4	19,127	1/4	31,041	1/4	42,825	1/4	54,801	1/4	66,761	1/4	78,741	1/4	90,724	1/4	102,705	1/4	114,688
1/2	7,392	1/2	19,377	1/2	31,284	1/2	43,074	1/2	55,051	1/2	67,010	1/2	78,990	1/2	90,973	1/2	102,955	1/2	114,938
3/4	7,642	3/4	19,627	3/4	31,526	3/4	43,324	3/4	55,300	3/4	67,260	3/4	79,240	3/4	91,223	3/4	103,205	3/4	115,187
9	7,891	9	19,876	9	31,769	9	43,573	9	55,550	9	67,509	9	79,490	9	91,472	9	103,454	9	115,437
1/4	8,141	1/4	20,126	1/4	32,012	1/4	43,823	1/4	55,799	1/4	67,758	1/4	79,739	1/4	91,722	1/4	103,704	1/4	115,687
1/2	8,391	1/2	20,376	1/2	32,255	1/2	44,072	1/2	56,049	1/2	68,007	1/2	79,989	1/2	91,972	1/2	103,954	1/2	115,936
3/4	8,641	3/4	20,625	3/4	32,498	3/4	44,322	3/4	56,298	3/4	68,256	3/4	80,239	3/4	92,221	3/4	104,203	3/4	116,186
10	8,891	10	20,875	10	32,741	10	44,571	10	56,548	10	68,506	10	80,488	10	92,471	10	104,453	10	116,436
1/4	9,141	1/4	21,125	1/4	32,984	1/4	44,821	1/4	56,797	1/4	68,755	1/4	80,738	1/4	92,720	1/4	104,702	1/4	116,685
1/2	9,391	1/2	21,374	1/2	33,227	1/2	45,070	1/2	57,047	1/2	69,005	1/2	80,988	1/2	92,970	1/2	104,952	1/2	116,935
3/4	9,640	3/4	21,624	3/4	33,470	3/4	45,320	3/4	57,296	3/4	69,255	3/4	81,237	3/4	93,220	3/4	105,202	3/4	117,185
11	9,890	11	21,874	11	33,713	11	45,569	11	57,546	11	69,504	11	81,487	11	93,469	11	105,451	11	117,435
1/4	10,140	1/4	22,123	1/4	33,956	1/4	45,819	1/4	57,795	1/4	69,754	1/4	81,737	1/4	93,719	1/4	105,701	1/4	117,685
1/2	10,390	1/2	22,373	1/2	34,199	1/2	46,068	1/2	58,044	1/2	70,003	1/2	81,986	1/2	93,969	1/2	105,951	1/2	117,935
3/4	10,639	3/4	22,623	3/4	34,442	3/4	46,318	3/4	58,294	3/4	70,253	3/4	82,236	3/4	94,218	3/4	106,200	3/4	118,185

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 INNAGE 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

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BARGE "IB 1954"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	118,435	0	128,893	0	136,652	0	144,411	0	152,137	0		0		0		0		0	
1/4	118,685	1/4	129,055	1/4	136,814	1/4	144,573	1/4	152,252	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,936	1/2	129,217	1/2	136,976	1/2	144,734	1/2	152,368	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,186	3/4	129,378	3/4	137,137	3/4	144,896	3/4	152,483	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	119,436	1	129,540	1	137,299	1	145,058	1	152,599	1	1	1	1	1	1	1	1	1	1
1/4	119,686	1/4	129,702	1/4	137,460	1/4	145,219	1/4	152,669	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,936	1/2	129,863	1/2	137,622	1/2	145,381	1/2	152,738	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,186	3/4	130,025	3/4	137,784	3/4	145,543	3/4	152,808	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	120,436	2	130,186	2	137,945	2	145,704	2	152,878	2	2	2	2	2	2	2	2	2	2
1/4	120,687	1/4	130,348	1/4	138,107	1/4	145,866	1/4	152,929	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,937	1/2	130,510	1/2	138,269	1/2	146,028	1/2	152,981	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	121,187	3/4	130,671	3/4	138,430	3/4	146,189	3/4	153,032	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	121,437	3	130,833	3	138,592	3	146,351	3	153,084	3	3	3	3	3	3	3	3	3	3
1/4	121,687	1/4	130,995	1/4	138,754	1/4	146,512	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	121,937	1/2	131,156	1/2	138,915	1/2	146,674	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	122,187	3/4	131,318	3/4	139,077	3/4	146,836	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	122,438	4	131,480	4	139,239	4	146,997	4	4	4	4	4	4	4	4	4	4	4	4
1/4	122,688	1/4	131,641	1/4	139,400	1/4	147,159	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	122,938	1/2	131,803	1/2	139,562	1/2	147,321	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	123,188	3/4	131,965	3/4	139,723	3/4	147,482	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	123,438	5	132,126	5	139,885	5	147,644	5	5	5	5	5	5	5	5	5	5	5	5
1/4	123,688	1/4	132,288	1/4	140,047	1/4	147,806	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	123,938	1/2	132,449	1/2	140,208	1/2	147,967	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	124,189	3/4	132,611	3/4	140,370	3/4	148,129	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	124,439	6	132,773	6	140,532	6	148,291	6	6	6	6	6	6	6	6	6	6	6	6
1/4	124,689	1/4	132,934	1/4	140,693	1/4	148,452	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	124,939	1/2	133,096	1/2	140,855	1/2	148,614	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	125,189	3/4	133,258	3/4	141,017	3/4	148,775	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	125,439	7	133,419	7	141,178	7	148,937	7	7	7	7	7	7	7	7	7	7	7	7
1/4	125,656	1/4	133,581	1/4	141,340	1/4	149,099	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	125,873	1/2	133,743	1/2	141,502	1/2	149,260	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	126,090	3/4	133,904	3/4	141,663	3/4	149,422	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	126,307	8	134,066	8	141,825	8	149,584	8	8	8	8	8	8	8	8	8	8	8	8
1/4	126,469	1/4	134,228	1/4	141,986	1/4	149,745	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	126,630	1/2	134,389	1/2	142,148	1/2	149,907	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	126,792	3/4	134,551	3/4	142,310	3/4	150,069	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	126,954	9	134,712	9	142,471	9	150,230	9	9	9	9	9	9	9	9	9	9	9	9
1/4	127,115	1/4	134,874	1/4	142,633	1/4	150,392	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	127,277	1/2	135,036	1/2	142,795	1/2	150,553	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	127,439	3/4	135,197	3/4	142,956	3/4	150,715	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	127,600	10	135,359	10	143,118	10	150,876	10	10	10	10	10	10	10	10	10	10	10	10
1/4	127,762	1/4	135,521	1/4	143,280	1/4	151,037	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	127,923	1/2	135,682	1/2	143,441	1/2	151,198	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	128,085	3/4	135,844	3/4	143,603	3/4	151,359	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	128,247	11	136,006	11	143,765	11	151,520	11	11	11	11	11	11	11	11	11	11	11	11
1/4	128,408	1/4	136,167	1/4	143,926	1/4	151,674	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	128,570	1/2	136,329	1/2	144,088	1/2	151,828	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	128,732	3/4	136,491	3/4	144,249	3/4	151,983	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.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2015

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