



BARGE "IB 1949"

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

(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 INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 1/4'

LENGTH BETWEEN DRAFT MARKS: 182'-06"

October 24, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1949"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

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	94	0	11,733	0	24,687	0	37,478	0	50,335	0	63,281	0	76,212	0	89,165	0	102,118	0	115,071
1/4	173	1/4	12,003	1/4	24,957	1/4	37,741	1/4	50,604	1/4	63,551	1/4	76,482	1/4	89,435	1/4	102,388	1/4	115,341
1/2	252	1/2	12,273	1/2	25,227	1/2	38,005	1/2	50,874	1/2	63,820	1/2	76,751	1/2	89,705	1/2	102,658	1/2	115,611
3/4	331	3/4	12,543	3/4	25,497	3/4	38,268	3/4	51,144	3/4	64,089	3/4	77,021	3/4	89,975	3/4	102,928	3/4	115,881
1	410	1	12,813	1	25,767	1	38,532	1	51,414	1	64,358	1	77,291	1	90,245	1	103,198	1	116,151
1/4	578	1/4	13,082	1/4	26,036	1/4	38,795	1/4	51,683	1/4	64,628	1/4	77,561	1/4	90,514	1/4	103,468	1/4	116,421
1/2	747	1/2	13,352	1/2	26,306	1/2	39,059	1/2	51,953	1/2	64,897	1/2	77,831	1/2	90,784	1/2	103,737	1/2	116,691
3/4	916	3/4	13,622	3/4	26,576	3/4	39,322	3/4	52,223	3/4	65,166	3/4	78,101	3/4	91,054	3/4	104,007	3/4	116,960
2	1,085	2	13,892	2	26,846	2	39,586	2	52,493	2	65,435	2	78,371	2	91,324	2	104,277	2	117,230
1/4	1,325	1/4	14,162	1/4	27,116	1/4	39,849	1/4	52,762	1/4	65,705	1/4	78,640	1/4	91,594	1/4	104,547	1/4	117,500
1/2	1,565	1/2	14,432	1/2	27,386	1/2	40,113	1/2	53,032	1/2	65,974	1/2	78,910	1/2	91,864	1/2	104,817	1/2	117,770
3/4	1,805	3/4	14,702	3/4	27,656	3/4	40,376	3/4	53,302	3/4	66,243	3/4	79,180	3/4	92,134	3/4	105,087	3/4	118,040
3	2,044	3	14,972	3	27,926	3	40,640	3	53,572	3	66,512	3	79,450	3	92,404	3	105,356	3	118,310
1/4	2,310	1/4	15,241	1/4	28,195	1/4	40,906	1/4	53,841	1/4	66,782	1/4	79,720	1/4	92,673	1/4	105,626	1/4	118,580
1/2	2,576	1/2	15,511	1/2	28,465	1/2	41,171	1/2	54,111	1/2	67,051	1/2	79,990	1/2	92,943	1/2	105,896	1/2	118,849
3/4	2,841	3/4	15,781	3/4	28,735	3/4	41,437	3/4	54,381	3/4	67,320	3/4	80,260	3/4	93,213	3/4	106,166	3/4	119,119
4	3,107	4	16,051	4	29,005	4	41,703	4	54,650	4	67,590	4	80,529	4	93,483	4	106,436	4	119,389
1/4	3,375	1/4	16,321	1/4	29,275	1/4	41,973	1/4	54,920	1/4	67,859	1/4	80,799	1/4	93,753	1/4	106,706	1/4	119,659
1/2	3,643	1/2	16,591	1/2	29,545	1/2	42,243	1/2	55,190	1/2	68,128	1/2	81,069	1/2	94,023	1/2	106,975	1/2	119,929
3/4	3,911	3/4	16,861	3/4	29,815	3/4	42,512	3/4	55,460	3/4	68,397	3/4	81,339	3/4	94,293	3/4	107,245	3/4	120,199
5	4,178	5	17,131	5	30,085	5	42,782	5	55,729	5	68,667	5	81,609	5	94,562	5	107,515	5	120,469
1/4	4,447	1/4	17,400	1/4	30,352	1/4	43,052	1/4	55,999	1/4	68,936	1/4	81,879	1/4	94,832	1/4	107,785	1/4	120,738
1/2	4,716	1/2	17,670	1/2	30,619	1/2	43,322	1/2	56,269	1/2	69,205	1/2	82,149	1/2	95,102	1/2	108,055	1/2	121,008
3/4	4,985	3/4	17,940	3/4	30,887	3/4	43,591	3/4	56,539	3/4	69,474	3/4	82,419	3/4	95,372	3/4	108,325	3/4	121,278
6	5,254	6	18,210	6	31,154	6	43,861	6	56,808	6	69,744	6	82,688	6	95,642	6	108,595	6	121,548
1/4	5,524	1/4	18,480	1/4	31,418	1/4	44,131	1/4	57,078	1/4	70,013	1/4	82,958	1/4	95,912	1/4	108,864	1/4	121,818
1/2	5,794	1/2	18,750	1/2	31,681	1/2	44,401	1/2	57,348	1/2	70,282	1/2	83,228	1/2	96,182	1/2	109,134	1/2	122,088
3/4	6,063	3/4	19,020	3/4	31,945	3/4	44,670	3/4	57,618	3/4	70,551	3/4	83,498	3/4	96,452	3/4	109,404	3/4	122,358
7	6,333	7	19,290	7	32,208	7	44,940	7	57,887	7	70,821	7	83,768	7	96,721	7	109,674	7	122,628
1/4	6,603	1/4	19,559	1/4	32,472	1/4	45,210	1/4	58,157	1/4	71,090	1/4	84,038	1/4	96,991	1/4	109,944	1/4	122,897
1/2	6,873	1/2	19,829	1/2	32,735	1/2	45,479	1/2	58,427	1/2	71,359	1/2	84,308	1/2	97,261	1/2	110,214	1/2	123,167
3/4	7,143	3/4	20,099	3/4	32,999	3/4	45,749	3/4	58,696	3/4	71,628	3/4	84,577	3/4	97,531	3/4	110,484	3/4	123,437
8	7,413	8	20,369	8	33,262	8	46,019	8	58,966	8	71,898	8	84,847	8	97,801	8	110,753	8	123,707
1/4	7,683	1/4	20,639	1/4	33,526	1/4	46,289	1/4	59,236	1/4	72,167	1/4	85,117	1/4	98,071	1/4	111,023	1/4	123,977
1/2	7,953	1/2	20,909	1/2	33,789	1/2	46,558	1/2	59,506	1/2	72,436	1/2	85,387	1/2	98,341	1/2	111,293	1/2	124,247
3/4	8,223	3/4	21,179	3/4	34,053	3/4	46,828	3/4	59,775	3/4	72,705	3/4	85,657	3/4	98,610	3/4	111,563	3/4	124,517
9	8,493	9	21,449	9	34,316	9	47,098	9	60,045	9	72,975	9	85,927	9	98,880	9	111,833	9	124,786
1/4	8,763	1/4	21,718	1/4	34,580	1/4	47,368	1/4	60,315	1/4	73,244	1/4	86,197	1/4	99,150	1/4	112,103	1/4	125,030
1/2	9,033	1/2	21,988	1/2	34,843	1/2	47,637	1/2	60,585	1/2	73,514	1/2	86,467	1/2	99,420	1/2	112,373	1/2	125,273
3/4	9,303	3/4	22,258	3/4	35,107	3/4	47,907	3/4	60,854	3/4	73,783	3/4	86,736	3/4	99,690	3/4	112,643	3/4	125,516
10	9,573	10	22,528	10	35,370	10	48,177	10	61,124	10	74,053	10	87,006	10	99,960	10	112,912	10	125,760
1/4	9,843	1/4	22,798	1/4	35,634	1/4	48,447	1/4	61,394	1/4	74,323	1/4	87,276	1/4	100,229	1/4	113,182	1/4	125,959
1/2	10,113	1/2	23,068	1/2	35,897	1/2	48,716	1/2	61,664	1/2	74,592	1/2	87,546	1/2	100,499	1/2	113,452	1/2	126,158
3/4	10,383	3/4	23,338	3/4	36,160	3/4	48,986	3/4	61,933	3/4	74,862	3/4	87,816	3/4	100,769	3/4	113,722	3/4	126,357
11	10,653	11	23,608	11	36,424	11	49,256	11	62,203	11	75,132	11	88,086	11	101,039	11	113,992	11	126,556
1/4	10,923	1/4	23,877	1/4	36,687	1/4	49,525	1/4	62,473	1/4	75,402	1/4	88,356	1/4	101,309	1/4	114,262	1/4	126,756
1/2	11,193	1/2	24,147	1/2	36,951	1/2	49,795	1/2	62,742	1/2	75,672	1/2	88,625	1/2	101,579	1/2	114,532	1/2	126,955
3/4	11,463	3/4	24,417	3/4	37,214	3/4	50,065	3/4	63,012	3/4	75,942	3/4	88,895	3/4	101,848	3/4	114,801	3/4	127,155

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 30'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "IB 1949"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

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	127,354	0	136,929	0	146,504	0	156,079	0		0		0		0		0		0	
1/4	127,554	1/4	137,128	1/4	146,703	1/4	156,278	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	127,753	1/2	137,328	1/2	146,903	1/2	156,478	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	127,953	3/4	137,527	3/4	147,102	3/4	156,677	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	128,152	1	137,727	1	147,302	1	156,876	1	1	1	1	1	1	1	1	1	1	1	1
1/4	128,352	1/4	137,926	1/4	147,501	1/4	157,075	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	128,551	1/2	138,126	1/2	147,701	1/2	157,274	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	128,750	3/4	138,325	3/4	147,900	3/4	157,473	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	128,950	2	138,525	2	148,100	2	157,672	2	2	2	2	2	2	2	2	2	2	2	2
1/4	129,149	1/4	138,724	1/4	148,299	1/4	157,866	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	129,349	1/2	138,924	1/2	148,499	1/2	158,060	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	129,548	3/4	139,123	3/4	148,698	3/4	158,254	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	129,748	3	139,323	3	148,898	3	158,447	3	3	3	3	3	3	3	3	3	3	3	3
1/4	129,947	1/4	139,522	1/4	149,097	1/4	158,605	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	130,147	1/2	139,722	1/2	149,297	1/2	158,763	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	130,346	3/4	139,921	3/4	149,496	3/4	158,921	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	130,546	4	140,121	4	149,696	4	159,078	4	4	4	4	4	4	4	4	4	4	4	4
1/4	130,745	1/4	140,320	1/4	149,895	1/4	159,154	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	130,945	1/2	140,520	1/2	150,094	1/2	159,229	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	131,144	3/4	140,719	3/4	150,294	3/4	159,305	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	131,344	5	140,919	5	150,493	5	159,380	5	5	5	5	5	5	5	5	5	5	5	5
1/4	131,543	1/4	141,118	1/4	150,693	1/4	159,401	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	131,743	1/2	141,318	1/2	150,892	1/2	159,421	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	131,942	3/4	141,517	3/4	151,092	3/4	159,442	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	132,142	6	141,716	6	151,291	6	159,462	6	6	6	6	6	6	6	6	6	6	6	6
1/4	132,341	1/4	141,916	1/4	151,491	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	132,541	1/2	142,115	1/2	151,690	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	132,740	3/4	142,315	3/4	151,890	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	132,939	7	142,514	7	152,089	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	133,139	1/4	142,714	1/4	152,289	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	133,338	1/2	142,913	1/2	152,488	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	133,538	3/4	143,113	3/4	152,688	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	133,737	8	143,312	8	152,887	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	133,937	1/4	143,512	1/4	153,087	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	134,136	1/2	143,711	1/2	153,286	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	134,336	3/4	143,911	3/4	153,486	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	134,535	9	144,110	9	153,685	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	134,735	1/4	144,310	1/4	153,885	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	134,934	1/2	144,509	1/2	154,084	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	135,134	3/4	144,709	3/4	154,284	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	135,333	10	144,908	10	154,483	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	135,533	1/4	145,108	1/4	154,682	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	135,732	1/2	145,307	1/2	154,882	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	135,932	3/4	145,507	3/4	155,081	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	136,131	11	145,706	11	155,281	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	136,331	1/4	145,905	1/4	155,480	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	136,530	1/2	146,105	1/2	155,680	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	136,730	3/4	146,304	3/4	155,879	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: 10/24/2013 CL
CALCULATED: 10/24/2013 CL
PRINTED: 10/24/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "IB 1949"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

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	91	0	11,250	0	23,686	0	35,961	0	48,307	0	60,743	0	73,179	0	85,615	0	98,052	0	110,488
1/4	167	1/4	11,509	1/4	23,945	1/4	36,214	1/4	48,566	1/4	61,002	1/4	73,438	1/4	85,875	1/4	98,311	1/4	110,747
1/2	242	1/2	11,768	1/2	24,204	1/2	36,467	1/2	48,825	1/2	61,261	1/2	73,697	1/2	86,134	1/2	98,570	1/2	111,006
3/4	318	3/4	12,027	3/4	24,463	3/4	36,720	3/4	49,084	3/4	61,520	3/4	73,956	3/4	86,393	3/4	98,829	3/4	111,265
1	393	1	12,287	1	24,722	1	36,972	1	49,343	1	61,779	1	74,216	1	86,652	1	99,088	1	111,524
1/4	555	1/4	12,546	1/4	24,981	1/4	37,225	1/4	49,602	1/4	62,038	1/4	74,475	1/4	86,911	1/4	99,347	1/4	111,783
1/2	717	1/2	12,805	1/2	25,241	1/2	37,478	1/2	49,861	1/2	62,297	1/2	74,734	1/2	87,170	1/2	99,606	1/2	112,042
3/4	879	3/4	13,064	3/4	25,500	3/4	37,731	3/4	50,120	3/4	62,556	3/4	74,993	3/4	87,429	3/4	99,865	3/4	112,302
2	1,040	2	13,323	2	25,759	2	37,984	2	50,379	2	62,816	2	75,252	2	87,688	2	100,124	2	112,561
1/4	1,270	1/4	13,582	1/4	26,018	1/4	38,236	1/4	50,638	1/4	63,075	1/4	75,511	1/4	87,947	1/4	100,383	1/4	112,820
1/2	1,500	1/2	13,841	1/2	26,277	1/2	38,489	1/2	50,897	1/2	63,334	1/2	75,770	1/2	88,206	1/2	100,643	1/2	113,079
3/4	1,730	3/4	14,100	3/4	26,536	3/4	38,742	3/4	51,157	3/4	63,593	3/4	76,029	3/4	88,465	3/4	100,902	3/4	113,338
3	1,960	3	14,359	3	26,795	3	38,995	3	51,416	3	63,852	3	76,288	3	88,724	3	101,161	3	113,597
1/4	2,214	1/4	14,618	1/4	27,054	1/4	39,250	1/4	51,675	1/4	64,111	1/4	76,547	1/4	88,984	1/4	101,420	1/4	113,856
1/2	2,469	1/2	14,877	1/2	27,313	1/2	39,505	1/2	51,934	1/2	64,370	1/2	76,806	1/2	89,243	1/2	101,679	1/2	114,115
3/4	2,724	3/4	15,136	3/4	27,572	3/4	39,761	3/4	52,193	3/4	64,629	3/4	77,065	3/4	89,502	3/4	101,938	3/4	114,374
4	2,978	4	15,396	4	27,831	4	40,016	4	52,452	4	64,888	4	77,325	4	89,761	4	102,197	4	114,633
1/4	3,235	1/4	15,655	1/4	28,090	1/4	40,275	1/4	52,711	1/4	65,147	1/4	77,584	1/4	90,020	1/4	102,456	1/4	114,892
1/2	3,491	1/2	15,914	1/2	28,350	1/2	40,534	1/2	52,970	1/2	65,406	1/2	77,843	1/2	90,279	1/2	102,715	1/2	115,152
3/4	3,748	3/4	16,173	3/4	28,609	3/4	40,793	3/4	53,229	3/4	65,666	3/4	78,102	3/4	90,538	3/4	102,974	3/4	115,411
5	4,005	5	16,432	5	28,868	5	41,052	5	53,488	5	65,925	5	78,361	5	90,797	5	103,233	5	115,670
1/4	4,262	1/4	16,691	1/4	29,124	1/4	41,311	1/4	53,747	1/4	66,184	1/4	78,620	1/4	91,056	1/4	103,493	1/4	115,929
1/2	4,520	1/2	16,950	1/2	29,381	1/2	41,570	1/2	54,007	1/2	66,443	1/2	78,879	1/2	91,315	1/2	103,752	1/2	116,188
3/4	4,778	3/4	17,209	3/4	29,638	3/4	41,829	3/4	54,266	3/4	66,702	3/4	79,138	3/4	91,574	3/4	104,011	3/4	116,447
6	5,036	6	17,468	6	29,895	6	42,088	6	54,525	6	66,961	6	79,397	6	91,834	6	104,270	6	116,706
1/4	5,294	1/4	17,727	1/4	30,147	1/4	42,348	1/4	54,784	1/4	67,220	1/4	79,656	1/4	92,093	1/4	104,529	1/4	116,965
1/2	5,553	1/2	17,986	1/2	30,400	1/2	42,607	1/2	55,043	1/2	67,479	1/2	79,915	1/2	92,352	1/2	104,788	1/2	117,224
3/4	5,811	3/4	18,245	3/4	30,653	3/4	42,866	3/4	55,302	3/4	67,738	3/4	80,175	3/4	92,611	3/4	105,047	3/4	117,483
7	6,070	7	18,504	7	30,906	7	43,125	7	55,561	7	67,997	7	80,434	7	92,870	7	105,306	7	117,742
1/4	6,328	1/4	18,764	1/4	31,158	1/4	43,384	1/4	55,820	1/4	68,256	1/4	80,693	1/4	93,129	1/4	105,565	1/4	118,002
1/2	6,587	1/2	19,023	1/2	31,411	1/2	43,643	1/2	56,079	1/2	68,516	1/2	80,952	1/2	93,388	1/2	105,824	1/2	118,261
3/4	6,846	3/4	19,282	3/4	31,664	3/4	43,902	3/4	56,338	3/4	68,775	3/4	81,211	3/4	93,647	3/4	106,083	3/4	118,520
8	7,105	8	19,541	8	31,917	8	44,161	8	56,597	8	69,034	8	81,470	8	93,906	8	106,343	8	118,779
1/4	7,364	1/4	19,800	1/4	32,170	1/4	44,420	1/4	56,857	1/4	69,293	1/4	81,729	1/4	94,165	1/4	106,602	1/4	119,038
1/2	7,623	1/2	20,059	1/2	32,422	1/2	44,679	1/2	57,116	1/2	69,552	1/2	81,988	1/2	94,424	1/2	106,861	1/2	119,297
3/4	7,882	3/4	20,318	3/4	32,675	3/4	44,938	3/4	57,375	3/4	69,811	3/4	82,247	3/4	94,684	3/4	107,120	3/4	119,556
9	8,141	9	20,577	9	32,928	9	45,198	9	57,634	9	70,070	9	82,506	9	94,943	9	107,379	9	119,815
1/4	8,400	1/4	20,836	1/4	33,181	1/4	45,457	1/4	57,893	1/4	70,329	1/4	82,765	1/4	95,202	1/4	107,638	1/4	120,074
1/2	8,659	1/2	21,095	1/2	33,433	1/2	45,716	1/2	58,152	1/2	70,588	1/2	83,025	1/2	95,461	1/2	107,897	1/2	120,333
3/4	8,919	3/4	21,354	3/4	33,686	3/4	45,975	3/4	58,411	3/4	70,847	3/4	83,284	3/4	95,720	3/4	108,156	3/4	120,592
10	9,178	10	21,613	10	33,939	10	46,234	10	58,670	10	71,106	10	83,543	10	95,979	10	108,415	10	120,852
1/4	9,437	1/4	21,873	1/4	34,192	1/4	46,493	1/4	58,929	1/4	71,366	1/4	83,802	1/4	96,238	1/4	108,674	1/4	121,111
1/2	9,696	1/2	22,132	1/2	34,445	1/2	46,752	1/2	59,188	1/2	71,625	1/2	84,061	1/2	96,497	1/2	108,933	1/2	121,370
3/4	9,955	3/4	22,391	3/4	34,697	3/4	47,011	3/4	59,447	3/4	71,884	3/4	84,320	3/4	96,756	3/4	109,193	3/4	121,629
11	10,214	11	22,650	11	34,950	11	47,270	11	59,707	11	72,143	11	84,579	11	97,015	11	109,452	11	121,888
1/4	10,473	1/4	22,909	1/4	35,203	1/4	47,529	1/4	59,966	1/4	72,402	1/4	84,838	1/4	97,274	1/4	109,711	1/4	122,147
1/2	10,732	1/2	23,168	1/2	35,456	1/2	47,788	1/2	60,225	1/2	72,661	1/2	85,097	1/2	97,534	1/2	109,970	1/2	122,406
3/4	10,991	3/4	23,427	3/4	35,709	3/4	48,048	3/4	60,484	3/4	72,920	3/4	85,356	3/4	97,793	3/4	110,229	3/4	122,665

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 1949"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

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	122,924	0	135,361	0	147,797	0	160,233	0		0		0		0		0		0	
1/4	123,183	1/4	135,620	1/4	148,056	1/4	160,492	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	123,442	1/2	135,879	1/2	148,315	1/2	160,751	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	123,702	3/4	136,138	3/4	148,574	3/4	161,010	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	123,961	1	136,397	1	148,833	1	161,269	1	1	1	1	1	1	1	1	1	1	1	1
1/4	124,220	1/4	136,656	1/4	149,092	1/4	161,528	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	124,479	1/2	136,915	1/2	149,351	1/2	161,786	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	124,738	3/4	137,174	3/4	149,610	3/4	162,044	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	124,997	2	137,433	2	149,869	2	162,303	2	2	2	2	2	2	2	2	2	2	2	2
1/4	125,256	1/4	137,692	1/4	150,129	1/4	162,557	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	125,515	1/2	137,951	1/2	150,388	1/2	162,811	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	125,774	3/4	138,210	3/4	150,647	3/4	163,064	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	126,033	3	138,470	3	150,906	3	163,318	3	3	3	3	3	3	3	3	3	3	3	3
1/4	126,292	1/4	138,729	1/4	151,165	1/4	163,537	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	126,551	1/2	138,988	1/2	151,424	1/2	163,756	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	126,811	3/4	139,247	3/4	151,683	3/4	163,975	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	127,070	4	139,506	4	151,942	4	164,194	4	4	4	4	4	4	4	4	4	4	4	4
1/4	127,329	1/4	139,765	1/4	152,201	1/4	164,335	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	127,588	1/2	140,024	1/2	152,460	1/2	164,475	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	127,847	3/4	140,283	3/4	152,719	3/4	164,615	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	128,106	5	140,542	5	152,979	5	164,756	5	5	5	5	5	5	5	5	5	5	5	5
1/4	128,365	1/4	140,801	1/4	153,238	1/4	164,818	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	128,624	1/2	141,060	1/2	153,497	1/2	164,880	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	128,883	3/4	141,320	3/4	153,756	3/4	164,942	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	129,142	6	141,579	6	154,015	6	165,004	6	6	6	6	6	6	6	6	6	6	6	6
1/4	129,401	1/4	141,838	1/4	154,274	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	129,661	1/2	142,097	1/2	154,533	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	129,920	3/4	142,356	3/4	154,792	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	130,179	7	142,615	7	155,051	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	130,438	1/4	142,874	1/4	155,310	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	130,697	1/2	143,133	1/2	155,569	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	130,956	3/4	143,392	3/4	155,829	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	131,215	8	143,651	8	156,088	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	131,474	1/4	143,910	1/4	156,347	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	131,733	1/2	144,170	1/2	156,606	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	131,992	3/4	144,429	3/4	156,865	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	132,251	9	144,688	9	157,124	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	132,511	1/4	144,947	1/4	157,383	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	132,770	1/2	145,206	1/2	157,642	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	133,029	3/4	145,465	3/4	157,901	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	133,288	10	145,724	10	158,160	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	133,547	1/4	145,983	1/4	158,419	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	133,806	1/2	146,242	1/2	158,679	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	134,065	3/4	146,501	3/4	158,938	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	134,324	11	146,760	11	159,197	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	134,583	1/4	147,020	1/4	159,456	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	134,842	1/2	147,279	1/2	159,715	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	135,101	3/4	147,538	3/4	159,974	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: 10/24/2013 CL
CALCULATED: 10/24/2013 CL
PRINTED: 10/24/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT
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BARGE "IB 1949"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 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	91	0	11,178	0	23,534	0	35,878	0	48,229	0	60,585	0	72,941	0	85,298	0	97,654	0	110,010
1/4	166	1/4	11,435	1/4	23,791	1/4	36,135	1/4	48,486	1/4	60,842	1/4	73,199	1/4	85,555	1/4	97,911	1/4	110,268
1/2	241	1/2	11,693	1/2	24,049	1/2	36,392	1/2	48,743	1/2	61,100	1/2	73,456	1/2	85,812	1/2	98,169	1/2	110,525
3/4	316	3/4	11,950	3/4	24,306	3/4	36,649	3/4	49,001	3/4	61,357	3/4	73,714	3/4	86,070	3/4	98,426	3/4	110,782
1	391	1	12,208	1	24,564	1	36,906	1	49,258	1	61,615	1	73,971	1	86,327	1	98,684	1	111,040
1/4	552	1/4	12,465	1/4	24,821	1/4	37,163	1/4	49,516	1/4	61,872	1/4	74,228	1/4	86,585	1/4	98,941	1/4	111,297
1/2	712	1/2	12,723	1/2	25,078	1/2	37,420	1/2	49,773	1/2	62,129	1/2	74,486	1/2	86,842	1/2	99,198	1/2	111,555
3/4	873	3/4	12,980	3/4	25,336	3/4	37,677	3/4	50,031	3/4	62,387	3/4	74,743	3/4	87,100	3/4	99,456	3/4	111,812
2	1,034	2	13,237	2	25,593	2	37,934	2	50,288	2	62,644	2	75,001	2	87,357	2	99,713	2	112,070
1/4	1,262	1/4	13,495	1/4	25,851	1/4	38,191	1/4	50,545	1/4	62,902	1/4	75,258	1/4	87,614	1/4	99,971	1/4	112,327
1/2	1,491	1/2	13,752	1/2	26,108	1/2	38,448	1/2	50,803	1/2	63,159	1/2	75,515	1/2	87,872	1/2	100,228	1/2	112,584
3/4	1,719	3/4	14,010	3/4	26,365	3/4	38,705	3/4	51,060	3/4	63,417	3/4	75,773	3/4	88,129	3/4	100,486	3/4	112,842
3	1,947	3	14,267	3	26,623	3	38,962	3	51,318	3	63,674	3	76,030	3	88,387	3	100,743	3	113,099
1/4	2,200	1/4	14,524	1/4	26,880	1/4	39,220	1/4	51,575	1/4	63,931	1/4	76,288	1/4	88,644	1/4	101,000	1/4	113,357
1/2	2,453	1/2	14,782	1/2	27,138	1/2	39,477	1/2	51,833	1/2	64,189	1/2	76,545	1/2	88,901	1/2	101,258	1/2	113,614
3/4	2,706	3/4	15,039	3/4	27,395	3/4	39,734	3/4	52,090	3/4	64,446	3/4	76,803	3/4	89,159	3/4	101,515	3/4	113,872
4	2,959	4	15,297	4	27,653	4	39,991	4	52,347	4	64,704	4	77,060	4	89,416	4	101,773	4	114,129
1/4	3,214	1/4	15,554	1/4	27,910	1/4	40,249	1/4	52,605	1/4	64,961	1/4	77,317	1/4	89,674	1/4	102,030	1/4	114,386
1/2	3,469	1/2	15,812	1/2	28,167	1/2	40,506	1/2	52,862	1/2	65,219	1/2	77,575	1/2	89,931	1/2	102,287	1/2	114,644
3/4	3,724	3/4	16,069	3/4	28,425	3/4	40,763	3/4	53,120	3/4	65,476	3/4	77,832	3/4	90,189	3/4	102,545	3/4	114,901
5	3,979	5	16,326	5	28,682	5	41,021	5	53,377	5	65,733	5	78,090	5	90,446	5	102,802	5	115,159
1/4	4,235	1/4	16,584	1/4	28,939	1/4	41,278	1/4	53,635	1/4	65,991	1/4	78,347	1/4	90,703	1/4	103,060	1/4	115,416
1/2	4,491	1/2	16,841	1/2	29,197	1/2	41,536	1/2	53,892	1/2	66,248	1/2	78,605	1/2	90,961	1/2	103,317	1/2	115,673
3/4	4,747	3/4	17,099	3/4	29,454	3/4	41,793	3/4	54,149	3/4	66,506	3/4	78,862	3/4	91,218	3/4	103,575	3/4	115,931
6	5,003	6	17,356	6	29,711	6	42,050	6	54,407	6	66,763	6	79,119	6	91,476	6	103,832	6	116,188
1/4	5,260	1/4	17,613	1/4	29,968	1/4	42,308	1/4	54,664	1/4	67,021	1/4	79,377	1/4	91,733	1/4	104,089	1/4	116,446
1/2	5,517	1/2	17,871	1/2	30,225	1/2	42,565	1/2	54,922	1/2	67,278	1/2	79,634	1/2	91,991	1/2	104,347	1/2	116,703
3/4	5,774	3/4	18,128	3/4	30,482	3/4	42,823	3/4	55,179	3/4	67,535	3/4	79,892	3/4	92,248	3/4	104,604	3/4	116,961
7	6,031	7	18,386	7	30,739	7	43,080	7	55,436	7	67,793	7	80,149	7	92,505	7	104,862	7	117,218
1/4	6,288	1/4	18,643	1/4	30,996	1/4	43,338	1/4	55,694	1/4	68,050	1/4	80,407	1/4	92,763	1/4	105,119	1/4	117,475
1/2	6,545	1/2	18,900	1/2	31,253	1/2	43,595	1/2	55,951	1/2	68,308	1/2	80,664	1/2	93,020	1/2	105,377	1/2	117,733
3/4	6,802	3/4	19,158	3/4	31,510	3/4	43,852	3/4	56,209	3/4	68,565	3/4	80,921	3/4	93,278	3/4	105,634	3/4	117,990
8	7,060	8	19,415	8	31,767	8	44,110	8	56,466	8	68,822	8	81,179	8	93,535	8	105,891	8	118,248
1/4	7,317	1/4	19,673	1/4	32,024	1/4	44,367	1/4	56,724	1/4	69,080	1/4	81,436	1/4	93,793	1/4	106,149	1/4	118,505
1/2	7,574	1/2	19,930	1/2	32,281	1/2	44,625	1/2	56,981	1/2	69,337	1/2	81,694	1/2	94,050	1/2	106,406	1/2	118,763
3/4	7,832	3/4	20,188	3/4	32,538	3/4	44,882	3/4	57,238	3/4	69,595	3/4	81,951	3/4	94,307	3/4	106,664	3/4	119,020
9	8,089	9	20,445	9	32,795	9	45,140	9	57,496	9	69,852	9	82,208	9	94,565	9	106,921	9	119,277
1/4	8,347	1/4	20,702	1/4	33,052	1/4	45,397	1/4	57,753	1/4	70,110	1/4	82,466	1/4	94,822	1/4	107,179	1/4	119,535
1/2	8,604	1/2	20,960	1/2	33,309	1/2	45,654	1/2	58,011	1/2	70,367	1/2	82,723	1/2	95,080	1/2	107,436	1/2	119,792
3/4	8,861	3/4	21,217	3/4	33,566	3/4	45,912	3/4	58,268	3/4	70,624	3/4	82,981	3/4	95,337	3/4	107,693	3/4	120,050
10	9,119	10	21,475	10	33,823	10	46,169	10	58,526	10	70,882	10	83,238	10	95,594	10	107,951	10	120,307
1/4	9,376	1/4	21,732	1/4	34,080	1/4	46,427	1/4	58,783	1/4	71,139	1/4	83,496	1/4	95,852	1/4	108,208	1/4	120,565
1/2	9,634	1/2	21,989	1/2	34,337	1/2	46,684	1/2	59,040	1/2	71,397	1/2	83,753	1/2	96,109	1/2	108,466	1/2	120,822
3/4	9,891	3/4	22,247	3/4	34,594	3/4	46,942	3/4	59,298	3/4	71,654	3/4	84,010	3/4	96,367	3/4	108,723	3/4	121,079
11	10,148	11	22,504	11	34,851	11	47,199	11	59,555	11	71,912	11	84,268	11	96,624	11	108,980	11	121,337
1/4	10,406	1/4	22,762	1/4	35,108	1/4	47,456	1/4	59,813	1/4	72,169	1/4	84,525	1/4	96,882	1/4	109,238	1/4	121,594
1/2	10,663	1/2	23,019	1/2	35,365	1/2	47,714	1/2	60,070	1/2	72,426	1/2	84,783	1/2	97,139	1/2	109,495	1/2	121,852
3/4	10,921	3/4	23,277	3/4	35,621	3/4	47,971	3/4	60,328	3/4	72,684	3/4	85,040	3/4	97,396	3/4	109,753	3/4	122,109

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 30'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "IB 1949"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 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	122,366	0	134,723	0	147,079	0	159,435	0		0		0		0		0		0	
1/4	122,624	1/4	134,980	1/4	147,337	1/4	159,693	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	122,881	1/2	135,238	1/2	147,594	1/2	159,950	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	123,139	3/4	135,495	3/4	147,851	3/4	160,207	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	123,396	1	135,752	1	148,109	1	160,465	1	1	1	1	1	1	1	1	1	1	1	1
1/4	123,654	1/4	136,010	1/4	148,366	1/4	160,721	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	123,911	1/2	136,267	1/2	148,624	1/2	160,978	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	124,168	3/4	136,525	3/4	148,881	3/4	161,235	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	124,426	2	136,782	2	149,138	2	161,492	2	2	2	2	2	2	2	2	2	2	2	2
1/4	124,683	1/4	137,040	1/4	149,396	1/4	161,744	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	124,941	1/2	137,297	1/2	149,653	1/2	161,996	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	125,198	3/4	137,554	3/4	149,911	3/4	162,248	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	125,456	3	137,812	3	150,168	3	162,501	3	3	3	3	3	3	3	3	3	3	3	3
1/4	125,713	1/4	138,069	1/4	150,426	1/4	162,718	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	125,970	1/2	138,327	1/2	150,683	1/2	162,936	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	126,228	3/4	138,584	3/4	150,940	3/4	163,154	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	126,485	4	138,842	4	151,198	4	163,371	4	4	4	4	4	4	4	4	4	4	4	4
1/4	126,743	1/4	139,099	1/4	151,455	1/4	163,511	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	127,000	1/2	139,356	1/2	151,713	1/2	163,650	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	127,258	3/4	139,614	3/4	151,970	3/4	163,789	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	127,515	5	139,871	5	152,228	5	163,929	5	5	5	5	5	5	5	5	5	5	5	5
1/4	127,772	1/4	140,129	1/4	152,485	1/4	163,991	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	128,030	1/2	140,386	1/2	152,742	1/2	164,052	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	128,287	3/4	140,644	3/4	153,000	3/4	164,114	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	128,545	6	140,901	6	153,257	6	164,176	6	6	6	6	6	6	6	6	6	6	6	6
1/4	128,802	1/4	141,158	1/4	153,515	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	129,059	1/2	141,416	1/2	153,772	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	129,317	3/4	141,673	3/4	154,029	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	129,574	7	141,931	7	154,287	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	129,832	1/4	142,188	1/4	154,544	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	130,089	1/2	142,445	1/2	154,802	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	130,347	3/4	142,703	3/4	155,059	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	130,604	8	142,960	8	155,317	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	130,861	1/4	143,218	1/4	155,574	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	131,119	1/2	143,475	1/2	155,831	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	131,376	3/4	143,733	3/4	156,089	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	131,634	9	143,990	9	156,346	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	131,891	1/4	144,247	1/4	156,604	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	132,149	1/2	144,505	1/2	156,861	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	132,406	3/4	144,762	3/4	157,119	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	132,663	10	145,020	10	157,376	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	132,921	1/4	145,277	1/4	157,633	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	133,178	1/2	145,535	1/2	157,891	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	133,436	3/4	145,792	3/4	158,148	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	133,693	11	146,049	11	158,406	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	133,951	1/4	146,307	1/4	158,663	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	134,208	1/2	146,564	1/2	158,921	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	134,465	3/4	146,822	3/4	159,178	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: 10/24/2013 CL
CALCULATED: 10/24/2013 CL
PRINTED: 10/24/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

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