

BARGE "IB 1980"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

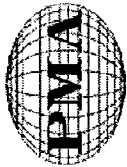
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS 00-1/4"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 182'-09"

October 5, 2017

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

<http://www.pmacorp.net>



BARGE "IB 1980"

1 CENTER 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	26	0	10,191	0	22,210	0	34,069	0	45,977	0	57,990	0	69,985	0	82,004	0	94,023	0	106,041
1/4	68	1/4	10,441	1/4	22,460	1/4	34,313	1/4	46,228	1/4	58,240	1/4	70,235	1/4	82,254	1/4	94,273	1/4	106,291
1/2	110	1/2	10,691	1/2	22,711	1/2	34,566	1/2	46,478	1/2	58,490	1/2	70,486	1/2	82,505	1/2	94,523	1/2	106,542
3/4	152	3/4	10,942	3/4	22,961	3/4	34,800	3/4	46,728	3/4	58,739	3/4	70,736	3/4	82,755	3/4	94,774	3/4	106,792
1	194	1	11,192	1	23,212	1	35,044	1	46,978	1	58,989	1	70,987	1	83,005	1	95,024	1	107,043
1/4	286	1/4	11,443	1/4	23,462	1/4	35,288	1/4	47,229	1/4	59,239	1/4	71,237	1/4	83,256	1/4	95,274	1/4	107,293
1/2	378	1/2	11,693	1/2	23,713	1/2	35,531	1/2	47,479	1/2	59,489	1/2	71,487	1/2	83,505	1/2	95,525	1/2	107,543
3/4	470	3/4	11,943	3/4	23,963	3/4	35,775	3/4	47,729	3/4	59,739	3/4	71,738	3/4	83,757	3/4	95,775	3/4	107,794
1	562	1	12,194	1	24,213	1	36,019	1	47,979	1	59,988	1	71,988	1	84,007	1	96,025	1	108,044
1/4	727	1/4	12,444	1/4	24,464	1/4	36,263	1/4	48,230	1/4	60,238	1/4	72,239	1/4	84,257	1/4	96,276	1/4	108,294
1/2	891	1/2	12,695	1/2	24,714	1/2	36,506	1/2	48,480	1/2	60,488	1/2	72,489	1/2	84,508	1/2	96,526	1/2	108,545
3/4	1,056	3/4	12,945	3/4	24,965	3/4	36,750	3/4	48,730	3/4	60,738	3/4	72,739	3/4	84,758	3/4	96,777	3/4	108,795
1	1,220	1	13,196	1	25,215	1	36,994	1	48,981	1	60,988	1	72,990	1	85,009	1	97,027	1	109,046
1/4	1,458	1/4	13,446	1/4	25,465	1/4	37,238	1/4	49,231	1/4	61,237	1/4	73,240	1/4	85,259	1/4	97,277	1/4	109,296
1/2	1,696	1/2	13,696	1/2	25,716	1/2	37,481	1/2	49,481	1/2	61,487	1/2	73,490	1/2	85,509	1/2	97,528	1/2	109,546
3/4	1,933	3/4	13,947	3/4	25,966	3/4	37,725	3/4	49,731	3/4	61,737	3/4	73,741	3/4	85,760	3/4	97,778	3/4	109,797
1	2,171	1	14,197	1	26,217	1	37,969	1	49,982	1	61,987	1	73,991	1	86,013	1	98,028	1	110,047
1/4	2,421	1/4	14,448	1/4	26,467	1/4	38,219	1/4	50,232	1/4	62,237	1/4	74,242	1/4	86,261	1/4	98,279	1/4	110,298
1/2	2,671	1/2	14,698	1/2	26,717	1/2	38,469	1/2	50,482	1/2	62,486	1/2	74,492	1/2	86,511	1/2	98,529	1/2	110,548
3/4	2,922	3/4	14,948	3/4	26,968	3/4	38,720	3/4	50,732	3/4	62,736	3/4	74,742	3/4	86,761	3/4	98,780	3/4	110,798
1	3,172	1	15,199	1	27,218	1	38,970	1	50,983	1	62,986	1	74,993	1	87,012	1	99,030	1	111,049
1/4	3,423	1/4	15,449	1/4	27,469	1/4	39,220	1/4	51,233	1/4	63,236	1/4	75,243	1/4	87,262	1/4	99,280	1/4	111,299
1/2	3,674	1/2	15,700	1/2	27,719	1/2	39,470	1/2	51,483	1/2	63,486	1/2	75,494	1/2	87,513	1/2	99,531	1/2	111,550
3/4	3,924	3/4	15,950	3/4	27,969	3/4	39,721	3/4	51,733	3/4	63,735	3/4	75,744	3/4	87,763	3/4	99,781	3/4	111,800
1	4,175	1	16,200	1	28,220	1	39,971	1	51,984	1	63,985	1	75,994	1	88,013	1	100,031	1	112,050
1/4	4,426	1/4	16,451	1/4	28,463	1/4	40,221	1/4	52,234	1/4	64,235	1/4	76,245	1/4	88,264	1/4	100,282	1/4	112,301
1/2	4,677	1/2	16,701	1/2	28,707	1/2	40,471	1/2	52,484	1/2	64,485	1/2	76,495	1/2	88,514	1/2	100,532	1/2	112,551
3/4	4,928	3/4	16,952	3/4	28,951	3/4	40,722	3/4	52,734	3/4	64,734	3/4	76,746	3/4	88,765	3/4	100,783	3/4	112,802
1	5,179	1	17,202	1	29,195	1	40,972	1	52,985	1	64,984	1	76,996	1	89,015	1	101,033	1	113,052
1/4	5,429	1/4	17,452	1/4	29,438	1/4	41,222	1/4	53,235	1/4	65,234	1/4	77,246	1/4	89,265	1/4	101,283	1/4	113,302
1/2	5,680	1/2	17,703	1/2	29,682	1/2	41,473	1/2	53,485	1/2	65,484	1/2	77,497	1/2	89,516	1/2	101,534	1/2	113,553
3/4	5,931	3/4	17,953	3/4	29,926	3/4	41,723	3/4	53,736	3/4	65,734	3/4	77,747	3/4	89,766	3/4	101,784	3/4	113,803
1	6,182	1	18,204	1	30,170	1	41,973	1	53,986	1	65,983	1	77,998	1	90,017	1	102,035	1	114,054
1/4	6,432	1/4	18,454	1/4	30,413	1/4	42,223	1/4	54,237	1/4	66,233	1/4	78,248	1/4	90,267	1/4	102,285	1/4	114,304
1/2	6,683	1/2	18,704	1/2	30,657	1/2	42,474	1/2	54,486	1/2	66,483	1/2	78,498	1/2	90,517	1/2	102,535	1/2	114,554
3/4	6,933	3/4	18,955	3/4	30,901	3/4	42,724	3/4	54,737	3/4	66,733	3/4	78,749	3/4	90,768	3/4	102,786	3/4	114,805
1	7,184	1	19,205	1	31,144	1	42,974	1	54,987	1	66,983	1	78,999	1	91,018	1	103,036	1	115,055
1/4	7,434	1/4	19,456	1/4	31,388	1/4	43,224	1/4	55,237	1/4	67,232	1/4	79,250	1/4	91,268	1/4	103,287	1/4	115,306
1/2	7,685	1/2	19,706	1/2	31,632	1/2	43,475	1/2	55,487	1/2	67,482	1/2	79,500	1/2	91,519	1/2	103,537	1/2	115,556
3/4	7,936	3/4	19,956	3/4	31,876	3/4	43,725	3/4	55,738	3/4	67,732	3/4	79,750	3/4	91,769	3/4	103,787	3/4	115,806
1	8,186	1	20,207	1	32,119	1	43,975	1	55,988	1	67,982	1	80,001	1	92,020	1	104,038	1	116,057
1/4	8,437	1/4	20,457	1/4	32,363	1/4	44,225	1/4	56,238	1/4	68,232	1/4	80,251	1/4	92,270	1/4	104,288	1/4	116,307
1/2	8,688	1/2	20,708	1/2	32,607	1/2	44,476	1/2	56,488	1/2	68,483	1/2	80,502	1/2	92,520	1/2	104,539	1/2	116,557
3/4	8,938	3/4	20,958	3/4	32,850	3/4	44,726	3/4	56,739	3/4	68,733	3/4	80,752	3/4	92,771	3/4	104,789	3/4	116,808
1	9,189	1	21,208	1	33,094	1	44,976	1	56,989	1	68,983	1	81,002	1	93,021	1	105,039	1	117,058
1/4	9,439	1/4	21,458	1/4	33,338	1/4	45,227	1/4	57,239	1/4	69,234	1/4	81,253	1/4	93,271	1/4	105,290	1/4	117,309
1/2	9,690	1/2	21,709	1/2	33,582	1/2	45,477	1/2	57,490	1/2	69,484	1/2	81,503	1/2	93,522	1/2	105,540	1/2	117,560
3/4	9,940	3/4	21,960	3/4	33,825	3/4	45,727	3/4	57,740	3/4	69,735	3/4	81,754	3/4	93,772	3/4	105,791	3/4	117,811

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'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2892
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "IB 1980"

1 CENTER INNAGE 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	118,062	0	128,686	0	136,471	0	144,257	0	152,034	0	159,810	0	167,587	0	175,364	0	183,141	0	190,918
1/4	118,313	1/4	128,848	1/4	136,633	1/4	144,419	1/4	152,205	1/4	159,990	1/4	167,776	1/4	175,561	1/4	183,347	1/4	191,132
1/2	118,564	1/2	129,010	1/2	136,795	1/2	144,581	1/2	152,367	1/2	160,152	1/2	167,938	1/2	175,723	1/2	183,509	1/2	191,294
3/4	118,815	3/4	129,172	3/4	136,958	3/4	144,743	3/4	152,529	3/4	160,314	3/4	168,100	3/4	175,885	3/4	183,671	3/4	191,455
1	119,065	1	129,334	1	137,120	1	144,905	1	152,685	1	160,470	1	168,255	1	176,040	1	183,825	1	191,610
1/4	119,316	1/4	129,497	1/4	137,282	1/4	145,068	1/4	152,848	1/4	160,623	1/4	168,408	1/4	176,193	1/4	183,978	1/4	191,764
1/2	119,567	1/2	129,659	1/2	137,444	1/2	145,230	1/2	153,010	1/2	160,785	1/2	168,570	1/2	176,355	1/2	184,140	1/2	191,926
3/4	119,818	3/4	129,821	3/4	137,606	3/4	145,392	3/4	153,171	3/4	160,948	3/4	168,733	3/4	176,518	3/4	184,301	3/4	192,082
2	120,069	2	129,983	2	137,769	2	145,554	2	153,332	2	161,107	2	168,882	2	176,657	2	184,434	2	192,238
1/4	120,320	1/4	130,145	1/4	137,931	1/4	145,716	1/4	153,494	1/4	161,269	1/4	169,044	1/4	176,819	1/4	184,596	1/4	192,394
1/2	120,571	1/2	130,308	1/2	138,093	1/2	145,879	1/2	153,657	1/2	161,432	1/2	169,207	1/2	176,982	1/2	184,759	1/2	192,550
3/4	120,822	3/4	130,470	3/4	138,255	3/4	146,041	3/4	153,820	3/4	161,595	3/4	169,370	3/4	177,146	3/4	184,922	3/4	192,706
3	121,073	3	130,632	3	138,417	3	146,203	3	154,006	3	161,758	3	169,543	3	177,329	3	185,114	3	192,862
1/4	121,323	1/4	130,794	1/4	138,580	1/4	146,365	1/4	154,170	1/4	161,921	1/4	169,706	1/4	177,490	1/4	185,276	1/4	193,018
1/2	121,574	1/2	130,956	1/2	138,742	1/2	146,527	1/2	154,332	1/2	162,082	1/2	169,867	1/2	177,651	1/2	185,440	1/2	193,174
3/4	121,825	3/4	131,119	3/4	138,904	3/4	146,690	3/4	154,494	3/4	162,244	3/4	170,029	3/4	177,820	3/4	185,602	3/4	193,330
4	122,076	4	131,281	4	139,066	4	146,852	4	154,656	4	162,406	4	170,191	4	177,981	4	185,764	4	193,486
1/4	122,327	1/4	131,443	1/4	139,228	1/4	147,014	1/4	154,818	1/4	162,568	1/4	170,353	1/4	178,162	1/4	185,926	1/4	193,642
1/2	122,578	1/2	131,605	1/2	139,391	1/2	147,176	1/2	154,980	1/2	162,730	1/2	170,515	1/2	178,324	1/2	186,088	1/2	193,798
3/4	122,829	3/4	131,767	3/4	139,553	3/4	147,338	3/4	155,142	3/4	162,892	3/4	170,677	3/4	178,483	3/4	186,250	3/4	193,954
5	123,080	5	131,930	5	139,715	5	147,501	5	155,304	5	163,054	5	170,839	5	178,644	5	186,406	5	194,110
1/4	123,331	1/4	132,092	1/4	139,877	1/4	147,663	1/4	155,466	1/4	163,216	1/4	171,001	1/4	178,805	1/4	186,568	1/4	194,266
1/2	123,581	1/2	132,254	1/2	140,039	1/2	147,825	1/2	155,628	1/2	163,378	1/2	171,163	1/2	178,967	1/2	186,730	1/2	194,422
3/4	123,832	3/4	132,416	3/4	140,202	3/4	147,987	3/4	155,790	3/4	163,540	3/4	171,325	3/4	179,129	3/4	186,892	3/4	194,578
6	124,083	6	132,578	6	140,364	6	148,149	6	155,952	6	163,702	6	171,487	6	179,292	6	187,054	6	194,734
1/4	124,334	1/4	132,741	1/4	140,526	1/4	148,312	1/4	156,114	1/4	163,864	1/4	171,651	1/4	179,457	1/4	187,216	1/4	194,890
1/2	124,585	1/2	132,903	1/2	140,688	1/2	148,474	1/2	156,276	1/2	164,026	1/2	171,813	1/2	179,619	1/2	187,378	1/2	195,046
3/4	124,836	3/4	133,065	3/4	140,850	3/4	148,636	3/4	156,438	3/4	164,188	3/4	171,975	3/4	179,781	3/4	187,540	3/4	195,202
7	125,087	7	133,227	7	141,013	7	148,798	7	156,600	7	164,350	7	172,133	7	179,944	7	187,702	7	195,358
1/4	125,338	1/4	133,389	1/4	141,175	1/4	148,960	1/4	156,762	1/4	164,512	1/4	172,295	1/4	180,107	1/4	187,864	1/4	195,514
1/2	125,589	1/2	133,552	1/2	141,337	1/2	149,123	1/2	156,924	1/2	164,674	1/2	172,457	1/2	180,269	1/2	188,026	1/2	195,670
3/4	125,840	3/4	133,714	3/4	141,499	3/4	149,285	3/4	157,086	3/4	164,836	3/4	172,621	3/4	180,431	3/4	188,188	3/4	195,826
8	126,090	8	133,876	8	141,661	8	149,447	8	157,248	8	165,000	8	172,783	8	180,595	8	188,350	8	196,000
1/4	126,253	1/4	134,038	1/4	141,824	1/4	149,609	1/4	157,410	1/4	165,162	1/4	172,947	1/4	180,757	1/4	188,508	1/4	196,156
1/2	126,415	1/2	134,200	1/2	141,986	1/2	149,771	1/2	157,572	1/2	165,324	1/2	173,111	1/2	180,919	1/2	188,666	1/2	196,312
3/4	126,577	3/4	134,363	3/4	142,148	3/4	149,934	3/4	157,734	3/4	165,486	3/4	173,275	3/4	181,071	3/4	188,822	3/4	196,468
9	126,739	9	134,525	9	142,310	9	150,096	9	157,896	9	165,648	9	173,437	9	181,227	9	189,000	9	196,624
1/4	126,901	1/4	134,687	1/4	142,472	1/4	150,258	1/4	158,058	1/4	165,810	1/4	173,599	1/4	181,383	1/4	189,156	1/4	196,780
1/2	127,064	1/2	134,849	1/2	142,635	1/2	150,420	1/2	158,219	1/2	165,972	1/2	173,761	1/2	181,539	1/2	189,312	1/2	196,936
3/4	127,226	3/4	135,011	3/4	142,797	3/4	150,582	3/4	158,381	3/4	166,134	3/4	173,923	3/4	181,693	3/4	189,468	3/4	197,092
10	127,388	10	135,174	10	142,959	10	150,744	10	158,544	10	166,296	10	174,085	10	181,853	10	189,626	10	197,248
1/4	127,550	1/4	135,336	1/4	143,121	1/4	150,906	1/4	158,706	1/4	166,458	1/4	174,247	1/4	181,997	1/4	189,782	1/4	197,404
1/2	127,712	1/2	135,498	1/2	143,283	1/2	151,068	1/2	158,868	1/2	166,620	1/2	174,409	1/2	182,159	1/2	189,938	1/2	197,560
3/4	127,875	3/4	135,660	3/4	143,445	3/4	151,230	3/4	159,029	3/4	166,782	3/4	174,571	3/4	182,319	3/4	190,094	3/4	197,716
11	128,037	11	135,822	11	143,608	11	151,391	11	159,191	11	166,944	11	174,735	11	182,483	11	190,250	11	197,872
1/4	128,199	1/4	135,985	1/4	143,770	1/4	151,552	1/4	159,352	1/4	167,106	1/4	174,897	1/4	182,643	1/4	190,406	1/4	198,028
1/2	128,361	1/2	136,147	1/2	143,932	1/2	151,713	1/2	159,513	1/2	167,268	1/2	175,059	1/2	182,803	1/2	190,562	1/2	198,184
3/4	128,523	3/4	136,309	3/4	144,094	3/4	151,873	3/4	159,673	3/4	167,430	3/4	175,221	3/4	182,959	3/4	190,718	3/4	198,340

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
CALCULATED: 10/05/2017 CL
PRINTED: 10/05/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2017

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



BARGE "IB 1980"

2 CENTER 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	26	0	10,103	0	21,633	0	32,993	0	44,410	0	55,940	0	67,470	0	79,000	0	90,530	0	102,060
1/4	66	1/4	10,343	1/4	21,873	1/4	33,226	1/4	44,650	1/4	56,180	1/4	67,710	1/4	79,240	1/4	90,770	1/4	102,300
1/2	106	1/2	10,583	1/2	22,113	1/2	33,459	1/2	44,891	1/2	56,421	1/2	67,951	1/2	79,481	1/2	91,010	1/2	102,540
3/4	146	3/4	10,824	3/4	22,353	3/4	33,692	3/4	45,131	3/4	56,661	3/4	68,191	3/4	79,721	3/4	91,251	3/4	102,781
1	186	1	11,064	1	22,593	1	33,925	1	45,371	1	56,901	1	68,431	1	79,961	1	91,491	1	103,021
1/4	306	1/4	11,304	1/4	22,834	1/4	34,158	1/4	45,611	1/4	57,141	1/4	68,671	1/4	80,201	1/4	91,731	1/4	103,261
1/2	427	1/2	11,544	1/2	23,074	1/2	34,392	1/2	45,851	1/2	57,381	1/2	68,911	1/2	80,441	1/2	91,971	1/2	103,501
3/4	547	3/4	11,784	3/4	23,314	3/4	34,625	3/4	46,092	3/4	57,622	3/4	69,182	3/4	80,682	3/4	92,212	3/4	103,742
2	667	2	12,025	2	23,554	2	34,858	2	46,332	2	57,862	2	69,392	2	80,922	2	92,452	2	103,982
1/4	867	1/4	12,265	1/4	23,794	1/4	35,091	1/4	46,572	1/4	58,102	1/4	69,632	1/4	81,162	1/4	92,692	1/4	104,222
1/2	1,067	1/2	12,505	1/2	24,034	1/2	35,324	1/2	46,812	1/2	58,342	1/2	69,872	1/2	81,402	1/2	92,932	1/2	104,462
3/4	1,267	3/4	12,745	3/4	24,275	3/4	35,557	3/4	47,052	3/4	58,582	3/4	70,112	3/4	81,642	3/4	93,172	3/4	104,702
3	1,467	3	12,985	3	24,515	3	35,791	3	47,293	3	58,823	3	70,353	3	81,883	3	93,413	3	104,943
1/4	1,705	1/4	13,226	1/4	24,755	1/4	36,024	1/4	47,533	1/4	59,063	1/4	70,593	1/4	82,123	1/4	93,653	1/4	105,183
1/2	1,943	1/2	13,466	1/2	24,995	1/2	36,257	1/2	47,773	1/2	59,303	1/2	70,833	1/2	82,363	1/2	93,893	1/2	105,423
3/4	2,181	3/4	13,706	3/4	25,236	3/4	36,490	3/4	48,013	3/4	59,543	3/4	71,073	3/4	82,603	3/4	94,133	3/4	105,663
4	2,420	4	13,946	4	25,476	4	36,724	4	48,253	4	59,783	4	71,313	4	82,843	4	94,373	4	105,903
1/4	2,659	1/4	14,186	1/4	25,716	1/4	36,964	1/4	48,494	1/4	60,024	1/4	71,554	1/4	83,084	1/4	94,614	1/4	106,144
1/2	2,899	1/2	14,427	1/2	25,956	1/2	37,204	1/2	48,734	1/2	60,264	1/2	71,794	1/2	83,324	1/2	94,854	1/2	106,384
3/4	3,138	3/4	14,667	3/4	26,196	3/4	37,444	3/4	48,974	3/4	60,504	3/4	72,034	3/4	83,564	3/4	95,094	3/4	106,624
5	3,378	5	14,907	5	26,436	5	37,684	5	49,214	5	60,744	5	72,274	5	83,804	5	95,334	5	106,864
1/4	3,618	1/4	15,147	1/4	26,677	1/4	37,925	1/4	49,455	1/4	60,985	1/4	72,514	1/4	84,044	1/4	95,574	1/4	107,104
1/2	3,858	1/2	15,387	1/2	26,917	1/2	38,165	1/2	49,695	1/2	61,225	1/2	72,755	1/2	84,285	1/2	95,815	1/2	107,345
3/4	4,098	3/4	15,628	3/4	27,157	3/4	38,405	3/4	49,935	3/4	61,465	3/4	72,995	3/4	84,525	3/4	96,055	3/4	107,585
6	4,338	6	15,868	6	27,397	6	38,645	6	50,175	6	61,705	6	73,235	6	84,765	6	96,295	6	107,825
1/4	4,579	1/4	16,108	1/4	27,630	1/4	38,885	1/4	50,415	1/4	61,945	1/4	73,475	1/4	85,005	1/4	96,535	1/4	108,065
1/2	4,819	1/2	16,348	1/2	27,864	1/2	39,126	1/2	50,656	1/2	62,186	1/2	73,716	1/2	85,246	1/2	96,775	1/2	108,305
3/4	5,059	3/4	16,588	3/4	28,097	3/4	39,366	3/4	50,896	3/4	62,426	3/4	73,956	3/4	85,486	3/4	97,016	3/4	108,546
7	5,299	7	16,829	7	28,339	7	39,606	7	51,136	7	62,666	7	74,196	7	85,726	7	97,256	7	108,786
1/4	5,539	1/4	17,069	1/4	28,583	1/4	39,846	1/4	51,376	1/4	62,906	1/4	74,436	1/4	85,966	1/4	97,496	1/4	109,026
1/2	5,780	1/2	17,309	1/2	28,826	1/2	40,086	1/2	51,616	1/2	63,146	1/2	74,676	1/2	86,206	1/2	97,736	1/2	109,266
3/4	6,020	3/4	17,549	3/4	29,029	3/4	40,327	3/4	51,857	3/4	63,387	3/4	74,917	3/4	86,447	3/4	97,977	3/4	109,506
8	6,260	8	17,789	8	29,262	8	40,567	8	52,097	8	63,627	8	75,157	8	86,687	8	98,217	8	109,747
1/4	6,500	1/4	18,030	1/4	29,496	1/4	40,807	1/4	52,337	1/4	63,867	1/4	75,397	1/4	86,927	1/4	98,457	1/4	109,987
1/2	6,740	1/2	18,270	1/2	29,729	1/2	41,047	1/2	52,577	1/2	64,107	1/2	75,637	1/2	87,167	1/2	98,697	1/2	110,227
3/4	6,980	3/4	18,510	3/4	29,962	3/4	41,287	3/4	52,817	3/4	64,347	3/4	75,877	3/4	87,407	3/4	98,937	3/4	110,467
9	7,221	9	18,750	9	30,195	9	41,528	9	53,058	9	64,588	9	76,118	9	87,648	9	99,178	9	110,708
1/4	7,461	1/4	18,990	1/4	30,428	1/4	41,768	1/4	53,298	1/4	64,828	1/4	76,358	1/4	87,888	1/4	99,418	1/4	110,948
1/2	7,701	1/2	19,231	1/2	30,661	1/2	42,008	1/2	53,538	1/2	65,068	1/2	76,598	1/2	88,128	1/2	99,658	1/2	111,188
3/4	7,941	3/4	19,471	3/4	30,894	3/4	42,248	3/4	53,778	3/4	65,308	3/4	76,838	3/4	88,368	3/4	99,898	3/4	111,428
10	8,181	10	19,711	10	31,128	10	42,488	10	54,018	10	65,548	10	77,078	10	88,608	10	100,138	10	111,668
1/4	8,422	1/4	19,951	1/4	31,361	1/4	42,729	1/4	54,259	1/4	65,789	1/4	77,319	1/4	88,849	1/4	100,379	1/4	111,909
1/2	8,662	1/2	20,191	1/2	31,594	1/2	42,969	1/2	54,499	1/2	66,029	1/2	77,559	1/2	89,089	1/2	100,619	1/2	112,149
3/4	8,902	3/4	20,431	3/4	31,827	3/4	43,209	3/4	54,739	3/4	66,269	3/4	77,799	3/4	89,329	3/4	100,859	3/4	112,389
11	9,142	11	20,672	11	32,060	11	43,449	11	54,979	11	66,509	11	78,039	11	89,569	11	101,099	11	112,629
1/4	9,382	1/4	20,912	1/4	32,293	1/4	43,690	1/4	55,220	1/4	66,749	1/4	78,279	1/4	89,809	1/4	101,339	1/4	112,869
1/2	9,623	1/2	21,152	1/2	32,526	1/2	43,930	1/2	55,460	1/2	66,990	1/2	78,520	1/2	90,050	1/2	101,580	1/2	113,110
3/4	9,863	3/4	21,392	3/4	32,760	3/4	44,170	3/4	55,700	3/4	67,230	3/4	78,760	3/4	90,290	3/4	101,820	3/4	113,350

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

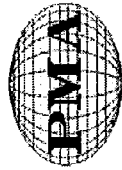
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

http://www.pmacorp.net



BARGE "IB 1980"

2 CENTER INNAGE TABLE

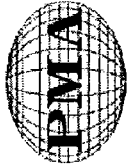
CAPACITIES GIVEN IN WHOLE GALLONS

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	113,590	1/4	125,120	1/4	136,650	1/4	148,180	1/4	159,702	1/4	171,232	1/4	182,762	1/4	194,292	1/4	205,822	1/4	217,352
1/2	113,830	1/2	125,360	1/2	136,890	1/2	148,420	1/2	159,919	1/2	171,449	1/2	182,948	1/2	194,447	1/2	205,946	1/2	217,445
3/4	114,070	3/4	125,600	3/4	137,130	3/4	148,660	3/4	160,136	3/4	171,642	3/4	183,148	3/4	194,654	3/4	206,160	3/4	217,666
1	114,311	1	125,841	1	137,371	1	148,901	1	160,352	1	171,822	1	183,292	1	194,762	1	206,232	1	217,702
1 1/4	114,551	1 1/4	126,081	1 1/4	137,611	1 1/4	149,141	1 1/4	160,569	1 1/4	172,039	1 1/4	183,528	1 1/4	195,017	1 1/4	206,506	1 1/4	217,995
1 1/2	114,791	1 1/2	126,321	1 1/2	137,851	1 1/2	149,381	1 1/2	160,709	1 1/2	172,199	1 1/2	183,688	1 1/2	195,177	1 1/2	206,666	1 1/2	218,155
3/4	115,271	3/4	126,801	3/4	138,331	3/4	149,861	3/4	160,990	3/4	172,330	3/4	183,819	3/4	195,308	3/4	206,795	3/4	218,285
2	115,512	2	127,042	2	138,572	2	150,102	2	161,130	2	172,512	2	183,941	2	195,437	2	206,884	2	218,415
1 1/4	115,752	1 1/4	127,282	1 1/4	138,812	1 1/4	150,342	1 1/4	161,190	1 1/4	172,652	1 1/4	184,081	1 1/4	195,567	1 1/4	206,973	1 1/4	218,545
1 1/2	115,992	1 1/2	127,522	1 1/2	139,052	1 1/2	150,582	1 1/2	161,250	1 1/2	172,772	1 1/2	184,161	1 1/2	195,657	1 1/2	207,062	1 1/2	218,675
3/4	116,232	3/4	127,762	3/4	139,292	3/4	150,822	3/4	161,310	3/4	172,832	3/4	184,221	3/4	195,747	3/4	207,152	3/4	218,805
3	116,473	3	128,003	3	139,532	3	151,062	3	161,370	3	172,892	3	184,281	3	195,832	3	207,242	3	218,935
1 1/4	116,713	1 1/4	128,243	1 1/4	139,773	1 1/4	151,303	1 1/4	161,380	1 1/4	172,952	1 1/4	184,341	1 1/4	195,917	1 1/4	207,332	1 1/4	219,065
1 1/2	116,953	1 1/2	128,483	1 1/2	140,013	1 1/2	151,543	1 1/2	161,380	1 1/2	173,012	1 1/2	184,401	1 1/2	196,002	1 1/2	207,422	1 1/2	219,195
3/4	117,193	3/4	128,723	3/4	140,253	3/4	151,783	3/4	161,380	3/4	173,072	3/4	184,461	3/4	196,092	3/4	207,512	3/4	219,325
4	117,433	4	128,963	4	140,493	4	152,023	4	161,380	4	173,132	4	184,521	4	196,182	4	207,602	4	219,455
1 1/4	117,674	1 1/4	129,204	1 1/4	140,734	1 1/4	152,264	1 1/4	161,380	1 1/4	173,192	1 1/4	184,581	1 1/4	196,272	1 1/4	207,692	1 1/4	219,585
1 1/2	117,914	1 1/2	129,444	1 1/2	140,974	1 1/2	152,504	1 1/2	161,380	1 1/2	173,252	1 1/2	184,641	1 1/2	196,362	1 1/2	207,782	1 1/2	219,715
3/4	118,154	3/4	129,684	3/4	141,214	3/4	152,744	3/4	161,380	3/4	173,312	3/4	184,701	3/4	196,452	3/4	207,872	3/4	219,845
5	118,394	5	129,924	5	141,454	5	152,984	5	161,380	5	173,372	5	184,761	5	196,542	5	207,962	5	219,975
1 1/4	118,634	1 1/4	130,164	1 1/4	141,694	1 1/4	153,224	1 1/4	161,380	1 1/4	173,432	1 1/4	184,821	1 1/4	196,632	1 1/4	208,052	1 1/4	220,105
1 1/2	118,875	1 1/2	130,405	1 1/2	141,935	1 1/2	153,465	1 1/2	161,380	1 1/2	173,492	1 1/2	184,881	1 1/2	196,722	1 1/2	208,142	1 1/2	220,235
3/4	119,115	3/4	130,645	3/4	142,175	3/4	153,705	3/4	161,380	3/4	173,552	3/4	184,941	3/4	196,812	3/4	208,232	3/4	220,365
6	119,355	6	130,885	6	142,415	6	153,945	6	161,380	6	173,612	6	185,001	6	196,902	6	208,322	6	220,495
1 1/4	119,595	1 1/4	131,125	1 1/4	142,655	1 1/4	154,185	1 1/4	161,380	1 1/4	173,672	1 1/4	185,061	1 1/4	197,002	1 1/4	208,412	1 1/4	220,625
1 1/2	119,835	1 1/2	131,365	1 1/2	142,895	1 1/2	154,425	1 1/2	161,380	1 1/2	173,732	1 1/2	185,121	1 1/2	197,092	1 1/2	208,502	1 1/2	220,755
3/4	120,076	3/4	131,606	3/4	143,136	3/4	154,666	3/4	161,380	3/4	173,792	3/4	185,181	3/4	197,182	3/4	208,592	3/4	220,885
7	120,316	7	131,846	7	143,376	7	154,906	7	161,380	7	173,852	7	185,241	7	197,272	7	208,682	7	221,015
1 1/4	120,556	1 1/4	132,086	1 1/4	143,616	1 1/4	155,146	1 1/4	161,380	1 1/4	173,912	1 1/4	185,301	1 1/4	197,362	1 1/4	208,772	1 1/4	221,145
1 1/2	120,796	1 1/2	132,326	1 1/2	143,856	1 1/2	155,386	1 1/2	161,380	1 1/2	173,972	1 1/2	185,361	1 1/2	197,452	1 1/2	208,862	1 1/2	221,275
3/4	121,036	3/4	132,566	3/4	144,096	3/4	155,626	3/4	161,380	3/4	174,032	3/4	185,421	3/4	197,542	3/4	208,952	3/4	221,405
8	121,277	8	132,807	8	144,337	8	155,867	8	161,380	8	174,092	8	185,481	8	197,632	8	209,042	8	221,535
1 1/4	121,517	1 1/4	133,047	1 1/4	144,577	1 1/4	156,107	1 1/4	161,380	1 1/4	174,152	1 1/4	185,541	1 1/4	197,722	1 1/4	209,132	1 1/4	221,665
1 1/2	121,757	1 1/2	133,287	1 1/2	144,817	1 1/2	156,347	1 1/2	161,380	1 1/2	174,212	1 1/2	185,601	1 1/2	197,812	1 1/2	209,222	1 1/2	221,795
3/4	121,997	3/4	133,527	3/4	145,057	3/4	156,587	3/4	161,380	3/4	174,272	3/4	185,661	3/4	197,902	3/4	209,312	3/4	221,925
9	122,238	9	133,767	9	145,297	9	156,827	9	161,380	9	174,332	9	185,721	9	198,002	9	209,402	9	222,055
1 1/4	122,478	1 1/4	134,008	1 1/4	145,538	1 1/4	157,068	1 1/4	161,380	1 1/4	174,392	1 1/4	185,781	1 1/4	198,092	1 1/4	209,492	1 1/4	222,185
1 1/2	122,718	1 1/2	134,248	1 1/2	145,778	1 1/2	157,308	1 1/2	161,380	1 1/2	174,452	1 1/2	185,841	1 1/2	198,182	1 1/2	209,582	1 1/2	222,315
3/4	122,958	3/4	134,488	3/4	146,018	3/4	157,548	3/4	161,380	3/4	174,512	3/4	185,901	3/4	198,272	3/4	209,672	3/4	222,445
10	123,198	10	134,728	10	146,258	10	157,788	10	161,380	10	174,572	10	186,001	10	198,362	10	209,762	10	222,575
1 1/4	123,439	1 1/4	134,969	1 1/4	146,499	1 1/4	158,028	1 1/4	161,380	1 1/4	174,632	1 1/4	186,061	1 1/4	198,452	1 1/4	209,852	1 1/4	222,705
1 1/2	123,679	1 1/2	135,209	1 1/2	146,739	1 1/2	158,268	1 1/2	161,380	1 1/2	174,692	1 1/2	186,121	1 1/2	198,542	1 1/2	209,942	1 1/2	222,835
3/4	123,919	3/4	135,449	3/4	146,979	3/4	158,508	3/4	161,380	3/4	174,752	3/4	186,181	3/4	198,632	3/4	210,032	3/4	222,965
11	124,159	11	135,689	11	147,219	11	158,747	11	161,380	11	174,812	11	186,241	11	198,722	11	210,122	11	223,095
1 1/4	124,399	1 1/4	135,929	1 1/4	147,459	1 1/4	158,986	1 1/4	161,380	1 1/4	174,872	1 1/4	186,301	1 1/4	198,812	1 1/4	210,212	1 1/4	223,225
1 1/2	124,640	1 1/2	136,170	1 1/2	147,700	1 1/2	159,225	1 1/2	161,380	1 1/2	174,932	1 1/2	186,361	1 1/2	198,902	1 1/2	210,302	1 1/2	223,355
3/4	124,880	3/4	136,410	3/4	147,940	3/4	159,463	3/4	161,380	3/4	175,002	3/4	186,421	3/4	199,002	3/4	210,392	3/4	223,485

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "IB 1980"

3 CENTER INNAGE TABLE

GAUGE HEIGHT 15'-03 1/4"

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	0	10,026	0	32,898	0	55,775	0	67,216	0	78,658
1/4	1/4	10,264	1/4	33,136	1/4	56,013	1/4	67,455	1/4	78,897
1/2	1/2	10,503	1/2	33,374	1/2	56,251	1/2	67,693	1/2	79,135
3/4	3/4	10,741	3/4	33,612	3/4	56,489	3/4	67,931	3/4	79,373
1	1	10,979	1	33,850	1	56,728	1	68,170	1	79,612
1 1/4	1 1/4	11,218	1 1/4	34,087	1 1/4	56,966	1 1/4	68,408	1 1/4	79,850
1 1/2	1 1/2	11,456	1 1/2	34,325	1 1/2	57,205	1 1/2	68,647	1 1/2	80,088
1 3/4	1 3/4	11,694	1 3/4	34,563	1 3/4	57,443	1 3/4	68,885	1 3/4	80,327
2	2	11,933	2	34,801	2	57,682	2	69,123	2	80,565
2 1/4	2 1/4	12,171	2 1/4	35,039	2 1/4	57,920	2 1/4	69,362	2 1/4	80,803
2 1/2	2 1/2	12,410	2 1/2	35,277	2 1/2	58,158	2 1/2	69,600	2 1/2	81,042
2 3/4	2 3/4	12,648	2 3/4	35,515	2 3/4	58,397	2 3/4	69,838	2 3/4	81,280
3	3	12,886	3	35,753	3	58,635	3	70,077	3	81,519
3 1/4	3 1/4	13,125	3 1/4	35,991	3 1/4	58,873	3 1/4	70,315	3 1/4	81,757
3 1/2	3 1/2	13,363	3 1/2	36,229	3 1/2	59,112	3 1/2	70,554	3 1/2	81,995
3 3/4	3 3/4	13,601	3 3/4	36,467	3 3/4	59,350	3 3/4	70,792	3 3/4	82,234
4	4	13,840	4	36,705	4	59,589	4	71,030	4	82,472
4 1/4	4 1/4	14,078	4 1/4	36,943	4 1/4	59,827	4 1/4	71,269	4 1/4	82,710
4 1/2	4 1/2	14,316	4 1/2	37,182	4 1/2	60,065	4 1/2	71,507	4 1/2	82,949
4 3/4	4 3/4	14,555	4 3/4	37,420	4 3/4	60,304	4 3/4	71,745	4 3/4	83,187
5	5	14,793	5	37,658	5	60,542	5	71,984	5	83,426
5 1/4	5 1/4	15,032	5 1/4	37,897	5 1/4	60,780	5 1/4	72,222	5 1/4	83,664
5 1/2	5 1/2	15,270	5 1/2	38,135	5 1/2	61,019	5 1/2	72,461	5 1/2	83,902
5 3/4	5 3/4	15,508	5 3/4	38,374	5 3/4	61,257	5 3/4	72,699	5 3/4	84,141
6	6	15,747	6	38,612	6	61,495	6	72,937	6	84,379
6 1/4	6 1/4	15,985	6 1/4	38,850	6 1/4	61,734	6 1/4	73,176	6 1/4	84,617
6 1/2	6 1/2	16,223	6 1/2	39,089	6 1/2	61,972	6 1/2	73,414	6 1/2	84,856
6 3/4	6 3/4	16,462	6 3/4	39,327	6 3/4	62,211	6 3/4	73,652	6 3/4	85,094
7	7	16,700	7	39,565	7	62,449	7	73,891	7	85,332
7 1/4	7 1/4	16,938	7 1/4	39,804	7 1/4	62,687	7 1/4	74,129	7 1/4	85,571
7 1/2	7 1/2	17,177	7 1/2	40,042	7 1/2	62,926	7 1/2	74,367	7 1/2	85,809
7 3/4	7 3/4	17,415	7 3/4	40,281	7 3/4	63,164	7 3/4	74,606	7 3/4	86,048
8	8	17,653	8	40,519	8	63,402	8	74,844	8	86,286
8 1/4	8 1/4	17,892	8 1/4	40,757	8 1/4	63,641	8 1/4	75,083	8 1/4	86,524
8 1/2	8 1/2	18,130	8 1/2	40,996	8 1/2	63,879	8 1/2	75,321	8 1/2	86,763
8 3/4	8 3/4	18,369	8 3/4	41,234	8 3/4	64,118	8 3/4	75,559	8 3/4	87,001
9	9	18,607	9	41,472	9	64,356	9	75,798	9	87,239
9 1/4	9 1/4	18,845	9 1/4	41,711	9 1/4	64,594	9 1/4	76,036	9 1/4	87,478
9 1/2	9 1/2	19,084	9 1/2	41,949	9 1/2	64,833	9 1/2	76,274	9 1/2	87,716
9 3/4	9 3/4	19,322	9 3/4	42,188	9 3/4	65,071	9 3/4	76,513	9 3/4	87,955
10	10	19,560	10	42,426	10	65,309	10	76,751	10	88,193
10 1/4	10 1/4	19,799	10 1/4	42,664	10 1/4	65,548	10 1/4	76,990	10 1/4	88,431
10 1/2	10 1/2	20,037	10 1/2	42,903	10 1/2	65,786	10 1/2	77,229	10 1/2	88,670
10 3/4	10 3/4	20,275	10 3/4	43,141	10 3/4	66,025	10 3/4	77,468	10 3/4	88,908
11	11	20,514	11	43,379	11	66,263	11	77,705	11	89,146
11 1/4	11 1/4	20,752	11 1/4	43,618	11 1/4	66,502	11 1/4	77,943	11 1/4	89,385
11 1/2	11 1/2	20,991	11 1/2	43,856	11 1/2	66,740	11 1/2	78,181	11 1/2	89,623
11 3/4	11 3/4	21,229	11 3/4	44,094	11 3/4	66,978	11 3/4	78,420	11 3/4	89,862

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPIMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO 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 1980"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03 1/4"

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	112,983	0	124,425	0	135,867	0	147,309	0	158,743	0	170,185	0	181,627	0	193,069	0	204,511	0	215,953
1/4	113,222	1/4	124,664	1/4	136,105	1/4	147,547	1/4	158,988	1/4	170,429	1/4	181,871	1/4	193,312	1/4	204,754	1/4	216,195
1/2	113,460	1/2	124,902	1/2	136,344	1/2	147,785	1/2	159,173	1/2	170,611	1/2	182,043	1/2	193,474	1/2	204,906	1/2	216,337
3/4	113,699	3/4	125,140	3/4	136,582	3/4	148,024	3/4	159,388	3/4	170,748	3/4	182,180	3/4	193,611	3/4	205,043	3/4	216,474
1	113,937	1	125,379	1	136,820	1	148,262	1	159,603	1	170,985	1	182,417	1	193,848	1	205,280	1	216,711
1/4	114,175	1/4	125,617	1/4	137,059	1/4	148,501	1/4	159,742	1/4	171,227	1/4	182,659	1/4	194,090	1/4	205,512	1/4	216,942
1/2	114,414	1/2	125,855	1/2	137,297	1/2	148,739	1/2	159,981	1/2	171,465	1/2	182,897	1/2	194,326	1/2	205,744	1/2	217,173
3/4	114,652	3/4	126,094	3/4	137,536	3/4	148,977	3/4	160,220	3/4	171,701	3/4	183,127	3/4	194,557	3/4	205,976	3/4	217,404
1	114,890	1	126,332	1	137,774	1	149,216	1	160,458	1	171,935	1	183,365	1	194,788	1	206,208	1	217,635
1/4	115,129	1/4	126,571	1/4	138,012	1/4	149,454	1/4	160,696	1/4	172,173	1/4	183,603	1/4	195,020	1/4	206,440	1/4	217,866
1/2	115,367	1/2	126,809	1/2	138,251	1/2	149,692	1/2	160,934	1/2	172,411	1/2	183,841	1/2	195,258	1/2	206,672	1/2	218,097
3/4	115,605	3/4	127,047	3/4	138,489	3/4	149,931	3/4	161,172	3/4	172,649	3/4	184,079	3/4	195,496	3/4	206,904	3/4	218,328
1	115,844	1	127,286	1	138,727	1	150,169	1	161,398	1	172,887	1	184,317	1	195,734	1	207,142	1	218,559
1/4	116,082	1/4	127,524	1/4	138,966	1/4	150,408	1/4	161,637	1/4	173,126	1/4	184,556	1/4	195,972	1/4	207,374	1/4	218,790
1/2	116,321	1/2	127,762	1/2	139,204	1/2	150,646	1/2	161,876	1/2	173,364	1/2	184,794	1/2	196,210	1/2	207,606	1/2	219,021
3/4	116,559	3/4	128,001	3/4	139,442	3/4	150,884	3/4	162,115	3/4	173,603	3/4	185,033	3/4	196,448	3/4	207,844	3/4	219,252
1	116,797	1	128,239	1	139,681	1	151,123	1	162,354	1	173,841	1	185,272	1	196,686	1	208,082	1	219,483
1/4	117,036	1/4	128,477	1/4	139,919	1/4	151,361	1/4	162,593	1/4	174,079	1/4	185,511	1/4	196,924	1/4	208,314	1/4	219,714
1/2	117,274	1/2	128,716	1/2	140,158	1/2	151,599	1/2	162,832	1/2	174,317	1/2	185,749	1/2	197,162	1/2	208,546	1/2	219,945
3/4	117,512	3/4	128,954	3/4	140,396	3/4	151,838	3/4	163,071	3/4	174,555	3/4	185,987	3/4	197,400	3/4	208,778	3/4	220,176
1	117,751	1	129,193	1	140,634	1	152,076	1	163,310	1	174,793	1	186,225	1	197,638	1	209,010	1	220,407
1/4	117,989	1/4	129,431	1/4	140,873	1/4	152,314	1/4	163,549	1/4	175,031	1/4	186,463	1/4	197,876	1/4	209,242	1/4	220,638
1/2	118,228	1/2	129,669	1/2	141,111	1/2	152,553	1/2	163,788	1/2	175,269	1/2	186,697	1/2	198,114	1/2	209,474	1/2	220,869
3/4	118,466	3/4	129,908	3/4	141,349	3/4	152,791	3/4	164,027	3/4	175,507	3/4	186,935	3/4	198,352	3/4	209,706	3/4	221,100
1	118,704	1	130,146	1	141,588	1	153,030	1	164,266	1	175,745	1	187,173	1	198,590	1	210,000	1	221,331
1/4	118,943	1/4	130,384	1/4	141,826	1/4	153,268	1/4	164,505	1/4	175,983	1/4	187,411	1/4	198,828	1/4	210,232	1/4	221,562
1/2	119,181	1/2	130,623	1/2	142,065	1/2	153,506	1/2	164,744	1/2	176,221	1/2	187,649	1/2	199,066	1/2	210,464	1/2	221,793
3/4	119,419	3/4	130,861	3/4	142,303	3/4	153,745	3/4	164,983	3/4	176,459	3/4	187,887	3/4	199,304	3/4	210,696	3/4	222,024
1	119,658	1	131,100	1	142,541	1	153,983	1	165,222	1	176,697	1	188,125	1	199,542	1	210,928	1	222,255
1/4	119,896	1/4	131,338	1/4	142,780	1/4	154,221	1/4	165,461	1/4	176,935	1/4	188,363	1/4	199,780	1/4	211,160	1/4	222,486
1/2	120,135	1/2	131,576	1/2	143,018	1/2	154,460	1/2	165,700	1/2	177,173	1/2	188,601	1/2	200,018	1/2	211,392	1/2	222,717
3/4	120,373	3/4	131,815	3/4	143,256	3/4	154,698	3/4	165,939	3/4	177,411	3/4	188,841	3/4	200,256	3/4	211,624	3/4	222,948
1	120,611	1	132,053	1	143,495	1	154,937	1	166,178	1	177,649	1	189,079	1	200,494	1	211,856	1	223,179
1/4	120,850	1/4	132,291	1/4	143,733	1/4	155,175	1/4	166,417	1/4	177,887	1/4	189,321	1/4	200,732	1/4	212,088	1/4	223,410
1/2	121,088	1/2	132,530	1/2	143,972	1/2	155,413	1/2	166,656	1/2	178,125	1/2	189,563	1/2	200,970	1/2	212,320	1/2	223,641
3/4	121,326	3/4	132,768	3/4	144,210	3/4	155,652	3/4	166,895	3/4	178,363	3/4	189,805	3/4	201,208	3/4	212,552	3/4	223,872
1	121,565	1	133,006	1	144,448	1	155,890	1	167,134	1	178,601	1	190,047	1	201,446	1	212,784	1	224,103
1/4	121,803	1/4	133,245	1/4	144,687	1/4	156,128	1/4	167,373	1/4	178,839	1/4	190,289	1/4	201,684	1/4	213,016	1/4	224,334
1/2	122,041	1/2	133,483	1/2	144,925	1/2	156,367	1/2	167,612	1/2	179,077	1/2	190,531	1/2	201,922	1/2	213,248	1/2	224,565
3/4	122,280	3/4	133,722	3/4	145,163	3/4	156,605	3/4	167,851	3/4	179,315	3/4	190,773	3/4	202,160	3/4	213,480	3/4	224,796
1	122,518	1	133,960	1	145,402	1	156,843	1	168,090	1	179,553	1	191,015	1	202,398	1	213,712	1	225,027
1/4	122,757	1/4	134,198	1/4	145,640	1/4	157,081	1/4	168,329	1/4	179,791	1/4	191,257	1/4	202,636	1/4	213,944	1/4	225,258
1/2	122,995	1/2	134,437	1/2	145,878	1/2	157,319	1/2	168,568	1/2	180,029	1/2	191,499	1/2	202,874	1/2	214,176	1/2	225,489
3/4	123,233	3/4	134,675	3/4	146,117	3/4	157,557	3/4	168,807	3/4	180,267	3/4	191,741	3/4	203,112	3/4	214,408	3/4	225,720
1	123,472	1	134,913	1	146,355	1	157,795	1	169,046	1	180,505	1	191,983	1	203,350	1	214,640	1	225,951
1/4	123,710	1/4	135,152	1/4	146,594	1/4	158,032	1/4	169,285	1/4	180,743	1/4	192,221	1/4	203,588	1/4	214,872	1/4	226,182
1/2	123,948	1/2	135,390	1/2	146,832	1/2	158,269	1/2	169,524	1/2	180,981	1/2	192,459	1/2	203,826	1/2	215,104	1/2	226,413
3/4	124,187	3/4	135,629	3/4	147,070	3/4	158,506	3/4	169,763	3/4	181,219	3/4	192,697	3/4	204,064	3/4	215,336	3/4	226,644

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/04/2017 CL
CALCULATED: 10/05/2017 CL
PRINTED: 10/05/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.

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