



# BARGE "IB 1904"

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	- 00-1/8	00-1/8	- 00-1/8	00-1/8
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: 176'-09"

May 4, 2019

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

<http://www.pmacorp.net>



# BARGE "IB 1904"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												GAUGE HEIGHT 15'-03"											
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.					
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0				
0	26	11,319	24,263	37,032	49,869	62,803	75,720	88,661	101,600	114,537	127,453	140,389	153,311	166,225	179,122	192,000	204,858	217,686	230,483	243,250			
1/4	72	11,589	24,533	37,295	50,138	63,072	75,920	88,791	101,685	114,599	127,500	140,389	153,266	166,130	178,970	191,786	204,578	217,345	230,087	242,804			
1/2	117	11,858	24,802	37,557	50,408	63,341	76,200	89,089	101,997	114,912	127,800	140,678	153,545	166,398	179,236	192,050	204,839	217,603	230,341	243,054			
3/4	162	12,128	25,071	37,820	50,677	63,610	76,499	89,416	102,343	115,276	128,183	141,071	153,948	166,801	179,629	192,432	205,210	217,973	230,720	243,441			
1	207	12,398	25,342	38,082	50,947	63,879	76,799	89,740	102,677	115,610	128,507	141,394	154,261	167,104	179,922	192,715	205,483	218,236	230,973	243,684			
1 1/4	342	12,667	25,611	38,344	51,216	64,148	77,068	90,009	102,947	115,885	128,772	141,647	154,501	167,324	180,127	192,900	205,651	218,394	231,115	243,805			
1 1/2	427	12,937	25,881	38,607	51,486	64,417	77,338	90,279	103,216	116,155	129,032	141,897	154,755	167,567	180,350	193,113	205,863	218,606	231,317	244,006			
1 3/4	512	13,207	26,151	38,869	51,755	64,686	77,608	90,548	103,486	116,424	129,300	142,154	155,011	167,814	180,578	193,325	206,075	218,817	231,518	244,195			
2	747	13,476	26,420	39,132	52,025	64,955	77,877	90,818	103,755	116,693	129,568	142,411	155,270	168,067	180,826	193,536	206,283	219,026	231,719	244,384			
1/4	972	13,746	26,690	39,396	52,294	65,224	78,147	91,088	104,025	116,963	129,832	142,668	155,527	168,324	181,082	193,745	206,490	219,233	231,919	244,573			
1/2	1,196	14,016	26,960	39,660	52,563	65,493	78,416	91,357	104,294	117,233	130,099	142,925	155,784	168,581	181,340	194,000	206,697	219,440	232,120	244,762			
3/4	1,421	14,285	27,229	39,924	52,833	65,762	78,686	91,627	104,563	117,503	130,368	143,182	156,041	168,838	181,599	194,257	206,904	219,647	232,321	244,951			
1	1,646	14,555	27,499	40,189	53,102	66,031	78,956	91,896	104,833	117,772	130,637	143,439	156,300	169,095	181,858	194,516	207,111	219,854	232,522	245,140			
1 1/4	1,910	14,825	27,769	40,453	53,372	66,300	79,225	92,166	105,102	118,042	130,906	143,696	156,557	169,352	182,117	194,775	207,368	220,061	232,723	245,329			
1 1/2	2,175	15,094	28,038	40,717	53,641	66,569	79,495	92,436	105,372	118,311	131,175	143,953	156,814	169,609	182,376	195,034	207,621	220,314	232,924	245,518			
3/4	2,440	15,364	28,308	40,981	53,911	66,838	79,764	92,705	105,641	118,581	131,444	144,210	157,071	169,866	182,635	195,287	207,874	220,567	233,125	245,707			
1	2,704	15,634	28,578	41,246	54,180	67,107	80,034	92,975	105,910	118,851	131,713	144,467	157,328	170,123	182,894	195,540	208,127	220,819	233,326	245,896			
1 1/4	2,971	15,903	28,847	41,505	54,450	67,376	80,304	93,244	106,180	119,120	131,982	144,724	157,585	170,381	183,153	195,793	208,380	221,070	233,527	246,085			
1 1/2	3,238	16,173	29,117	41,765	54,719	67,645	80,573	93,514	106,449	119,390	132,251	144,981	157,842	170,638	183,412	196,046	208,631	221,321	233,728	246,274			
3/4	3,505	16,443	29,387	42,024	54,989	67,914	80,843	93,784	106,719	119,659	132,518	145,238	158,100	170,897	183,671	196,299	208,882	221,572	233,929	246,463			
1	3,772	16,712	29,656	42,284	55,258	68,183	81,112	94,053	106,988	119,928	132,787	145,497	158,357	171,156	183,924	196,552	209,133	221,823	234,130	246,652			
1 1/4	4,041	16,982	29,926	42,543	55,528	68,452	81,382	94,323	107,258	120,199	133,056	145,756	158,614	171,415	184,183	196,805	209,384	222,074	234,331	246,841			
1 1/2	4,309	17,252	30,196	42,802	55,797	68,721	81,652	94,592	107,527	120,468	133,325	146,015	158,871	171,674	184,442	197,058	209,635	222,325	234,532	247,030			
3/4	4,578	17,521	30,465	43,132	56,067	69,000	81,921	94,862	107,797	120,738	133,594	146,274	159,128	171,933	184,701	197,317	209,886	222,581	234,733	247,219			
1	4,846	17,791	30,735	43,401	56,336	69,269	82,191	95,132	108,066	121,007	133,863	146,533	159,387	172,192	184,960	197,576	210,137	222,832	234,934	247,408			
1 1/4	5,115	18,061	30,997	43,671	56,606	69,538	82,460	95,401	108,336	121,277	134,132	146,792	159,646	172,451	185,219	197,835	210,388	223,083	235,135	247,597			
1 1/2	5,385	18,330	31,260	43,940	56,875	69,807	82,730	95,671	108,606	121,546	134,401	147,051	159,905	172,710	185,478	198,094	210,639	223,334	235,336	247,786			
3/4	5,654	18,600	31,522	44,210	57,145	70,066	83,000	95,940	108,875	121,816	134,670	147,310	160,164	172,969	185,737	198,353	210,890	223,585	235,537	247,975			
1	5,923	18,870	31,785	44,479	57,414	70,335	83,269	96,210	109,145	122,086	134,939	147,569	160,423	173,228	186,000	198,612	211,141	223,836	235,738	248,164			
1 1/4	6,193	19,139	32,047	44,749	57,683	70,604	83,539	96,480	109,414	122,355	135,208	147,828	160,682	173,487	186,259	198,871	211,392	224,087	235,939	248,353			
1 1/2	6,463	19,409	32,309	45,018	57,953	70,873	83,808	96,749	109,684	122,625	135,477	148,087	160,941	173,746	186,518	199,130	211,643	224,338	236,140	248,542			
3/4	6,732	19,679	32,572	45,288	58,222	71,142	84,078	97,019	109,954	122,895	135,746	148,346	161,200	174,005	186,777	199,389	211,894	224,589	236,341	248,731			
1	7,002	19,948	32,834	45,557	58,492	71,411	84,348	97,288	110,223	123,164	136,015	148,605	161,459	174,264	187,033	199,648	212,145	224,840	236,542	248,920			
1 1/4	7,272	20,218	33,096	45,827	58,761	71,680	84,617	97,558	110,493	123,434	136,284	148,864	161,713	174,523	187,292	199,907	212,396	225,091	236,743	249,109			
1 1/2	7,541	20,488	33,359	46,096	59,031	71,949	84,887	97,828	110,762	123,703	136,553	149,123	161,972	174,782	187,551	199,900	212,647	225,342	236,944	249,298			
3/4	7,811	20,757	33,621	46,366	59,300	72,218	85,156	98,097	111,032	123,973	136,822	149,382	162,231	175,041	187,810	199,900	212,898	225,593	237,145	249,487			
1	8,081	21,027	33,884	46,635	59,570	72,487	85,426	98,367	111,302	124,243	137,091	149,641	162,490	175,300	188,069	199,900	213,149	225,844	237,346	249,676			
1 1/4	8,351	21,297	34,146	46,905	59,839	72,756	85,696	98,636	111,571	124,513	137,360	149,900	162,749	175,559	188,328	199,900	213,400	226,095	237,547	249,865			
1 1/2	8,621	21,566	34,408	47,174	60,109	73,025	85,965	98,906	111,841	124,784	137,629	150,159	163,008	175,818	188,587	199,900	213,651	226,346	237,748	249,954			
3/4	8,891	21,836	34,671	47,444	60,378	73,294	86,235	99,175	112,110	125,054	137,898	150,418	163,267	176,077	188,846	199,900	213,902	226,597	237,949	250,143			
1	9,161	22,106	34,933	47,713	60,648	73,563	86,504	99,445	112,380	125,324	138,167	150,677	163,526	176,336	189,105	199,900	214,153	226,848	238,150	250,332			
1 1/4	9,431	22,375	35,196	47,982	60,917	73,833	86,774	99,714	112,650	125,594	138,436	150,936	163,785	176,595	189,364	199,900	214,404	227,099	238,351	250,521			
1 1/2	9,701	22,645	35,459	48,252	61,187	74,103	87,044	99,983	112,920	125,864	138,705	151,194	164,044	176,854	189,623	199,900	214,655	227,350	238,552	250,710			
3/4	9,970	22,915	35,720	48,521	61,456	74,372	87,313	100,253	113,189	126,134	138,974	151,453	164,303	177,113	189,882	199,900	214,906	227,601	238,753	250,899			
1	10,240	23,184	35,983	48,791	61,726	74,642	87,583	100,522	113,459	126,404	139,243	151,712	164,562	177,372	190,141	199,900	215,157	227,852	238,954	251,088			
1 1/4	10,510	23,454	36,245	49,060	61,995	74,911	87,852	100,792	113,728	126,674	139,512	151,971	164,821	177,631	190,400	199,900	215,408	228,103	239,155	251,277			
1 1/2	10,780	23,724	36,508	49,330	62,265	75,181	88,122	101,061	113,998	126,944	139,781	152,230	165,080	177,890	190,659	199,900	215,659	228,354	239,356	251,466			
3/4	11,049	23,993	36,770	49,599	62,534	75,451	88,392	101,330	114,267	127,215	140,050	152,489	165,339	178,149	190,918	199,900	215,910	228,605	239,557	251,655			



# BARGE "IB 1904"

1 CENTER  
INNGAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-03"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	126,331	0	134,703	0	143,076	0	151,448	0	159,815	0	168,182	0	176,549	0	184,916	0	193,283	0	201,650
1/4	126,505	1/4	134,878	1/4	143,250	1/4	151,623	1/4	159,976	1/4	168,330	1/4	176,683	1/4	185,036	1/4	193,389	1/4	201,742
1/2	126,680	1/2	135,052	1/2	143,425	1/2	151,797	1/2	160,138	1/2	168,479	1/2	176,820	1/2	185,161	1/2	193,502	1/2	201,843
3/4	126,854	3/4	135,227	3/4	143,599	3/4	151,972	3/4	160,300	3/4	168,622	3/4	176,944	3/4	185,266	3/4	193,588	3/4	201,909
1	127,029	1	135,401	1	143,774	1	152,146	1	160,462	1	168,778	1	177,094	1	185,410	1	193,726	1	202,042
1/4	127,203	1/4	135,576	1/4	143,948	1/4	152,320	1/4	160,630	1/4	168,912	1/4	177,194	1/4	185,476	1/4	193,758	1/4	202,042
1/2	127,378	1/2	135,750	1/2	144,122	1/2	152,495	1/2	160,776	1/2	169,058	1/2	177,340	1/2	185,622	1/2	193,904	1/2	202,186
3/4	127,552	3/4	135,924	3/4	144,297	3/4	152,669	3/4	160,949	3/4	169,230	3/4	177,512	3/4	185,794	3/4	194,076	3/4	202,330
2	127,726	2	136,099	2	144,471	2	152,844	2	160,799	2	169,080	2	177,361	2	185,642	2	193,923	2	202,204
1/4	127,901	1/4	136,273	1/4	144,646	1/4	153,018	1/4	160,970	1/4	169,251	1/4	177,532	1/4	185,813	1/4	194,094	1/4	202,378
1/2	128,075	1/2	136,448	1/2	144,820	1/2	153,193	1/2	161,079	1/2	169,360	1/2	177,641	1/2	185,923	1/2	194,206	1/2	202,502
3/4	128,250	3/4	136,622	3/4	144,995	3/4	153,367	3/4	161,252	3/4	169,534	3/4	177,814	3/4	186,095	3/4	194,318	3/4	202,626
3	128,424	3	136,797	3	145,169	3	153,541	3	161,427	3	169,708	3	177,980	3	186,266	3	194,430	3	202,750
1/4	128,599	1/4	136,971	1/4	145,343	1/4	153,716	1/4	161,592	1/4	169,880	1/4	178,151	1/4	186,417	1/4	194,542	1/4	202,874
1/2	128,773	1/2	137,145	1/2	145,518	1/2	153,890	1/2	161,764	1/2	170,023	1/2	178,282	1/2	186,539	1/2	194,654	1/2	202,998
3/4	128,947	3/4	137,320	3/4	145,692	3/4	154,065	3/4	161,938	3/4	170,197	3/4	178,456	3/4	186,651	3/4	194,766	3/4	203,122
4	129,122	4	137,494	4	145,867	4	154,239	4	162,112	4	170,370	4	178,628	4	186,773	4	194,878	4	203,246
1/4	129,296	1/4	137,669	1/4	146,041	1/4	154,414	1/4	162,286	1/4	170,534	1/4	178,792	1/4	187,049	1/4	195,000	1/4	203,370
1/2	129,471	1/2	137,843	1/2	146,216	1/2	154,588	1/2	162,460	1/2	170,708	1/2	178,966	1/2	187,213	1/2	195,112	1/2	203,494
3/4	129,645	3/4	138,018	3/4	146,390	3/4	154,762	3/4	162,634	3/4	170,882	3/4	179,140	3/4	187,387	3/4	195,224	3/4	203,618
5	129,820	5	138,192	5	146,564	5	154,937	5	162,808	5	171,056	5	179,314	5	187,569	5	195,336	5	203,742
1/4	129,994	1/4	138,366	1/4	146,739	1/4	155,111	1/4	162,982	1/4	171,230	1/4	179,488	1/4	187,742	1/4	195,448	1/4	203,866
1/2	130,168	1/2	138,541	1/2	146,913	1/2	155,286	1/2	163,156	1/2	171,404	1/2	179,662	1/2	187,904	1/2	195,560	1/2	203,990
3/4	130,343	3/4	138,715	3/4	147,088	3/4	155,460	3/4	163,330	3/4	171,578	3/4	179,836	3/4	188,076	3/4	195,672	3/4	204,114
6	130,517	6	138,890	6	147,262	6	155,635	6	163,504	6	171,752	6	180,008	6	188,262	6	196,184	6	204,238
1/4	130,692	1/4	139,064	1/4	147,437	1/4	155,809	1/4	163,678	1/4	171,926	1/4	180,182	1/4	188,436	1/4	196,296	1/4	204,362
1/2	130,866	1/2	139,239	1/2	147,611	1/2	155,983	1/2	163,852	1/2	172,100	1/2	180,356	1/2	188,610	1/2	196,408	1/2	204,486
3/4	131,041	3/4	139,413	3/4	147,785	3/4	156,158	3/4	164,026	3/4	172,274	3/4	180,530	3/4	188,764	3/4	196,520	3/4	204,610
7	131,215	7	139,587	7	147,960	7	156,332	7	164,200	7	172,448	7	180,704	7	188,918	7	196,632	7	204,734
1/4	131,389	1/4	139,762	1/4	148,134	1/4	156,507	1/4	164,374	1/4	172,622	1/4	180,878	1/4	189,092	1/4	196,744	1/4	204,858
1/2	131,564	1/2	139,936	1/2	148,309	1/2	156,681	1/2	164,548	1/2	172,796	1/2	181,050	1/2	189,264	1/2	196,856	1/2	204,982
3/4	131,738	3/4	140,111	3/4	148,483	3/4	156,855	3/4	164,722	3/4	172,970	3/4	181,224	3/4	189,438	3/4	196,968	3/4	205,106
8	131,913	8	140,285	8	148,657	8	157,030	8	164,896	8	173,144	8	181,398	8	189,592	8	197,080	8	205,230
1/4	132,087	1/4	140,459	1/4	148,832	1/4	157,204	1/4	165,070	1/4	173,318	1/4	181,572	1/4	189,766	1/4	197,192	1/4	205,354
1/2	132,261	1/2	140,634	1/2	149,006	1/2	157,379	1/2	165,244	1/2	173,492	1/2	181,746	1/2	189,940	1/2	197,304	1/2	205,478
3/4	132,436	3/4	140,808	3/4	149,181	3/4	157,553	3/4	165,418	3/4	173,666	3/4	181,918	3/4	190,114	3/4	197,416	3/4	205,602
9	132,610	9	140,983	9	149,355	9	157,728	9	165,592	9	173,840	9	182,090	9	190,288	9	197,528	9	205,726
1/4	132,785	1/4	141,157	1/4	149,530	1/4	157,902	1/4	165,766	1/4	174,014	1/4	182,262	1/4	190,462	1/4	197,640	1/4	205,850
1/2	132,959	1/2	141,332	1/2	149,704	1/2	158,076	1/2	165,940	1/2	174,188	1/2	182,436	1/2	190,640	1/2	197,752	1/2	205,974
3/4	133,134	3/4	141,506	3/4	149,878	3/4	158,251	3/4	166,114	3/4	174,362	3/4	182,610	3/4	190,814	3/4	197,864	3/4	206,098
10	133,308	10	141,680	10	150,053	10	158,425	10	166,288	10	174,536	10	182,786	10	191,008	10	197,976	10	206,222
1/4	133,482	1/4	141,855	1/4	150,227	1/4	158,599	1/4	166,462	1/4	174,710	1/4	182,956	1/4	191,180	1/4	198,088	1/4	206,346
1/2	133,657	1/2	142,029	1/2	150,402	1/2	158,774	1/2	166,636	1/2	174,884	1/2	183,128	1/2	191,354	1/2	198,202	1/2	206,470
3/4	133,831	3/4	142,204	3/4	150,576	3/4	158,948	3/4	166,810	3/4	175,058	3/4	183,302	3/4	191,528	3/4	198,314	3/4	206,594
11	134,006	11	142,378	11	150,751	11	159,122	11	166,984	11	175,230	11	183,474	11	191,702	11	198,428	11	206,718
1/4	134,180	1/4	142,553	1/4	150,925	1/4	159,295	1/4	167,158	1/4	175,404	1/4	183,646	1/4	191,876	1/4	198,542	1/4	206,842
1/2	134,355	1/2	142,727	1/2	151,099	1/2	159,468	1/2	167,332	1/2	175,578	1/2	183,818	1/2	192,050	1/2	198,656	1/2	206,966
3/4	134,529	3/4	142,901	3/4	151,274	3/4	159,642	3/4	167,506	3/4	175,752	3/4	184,000	3/4	192,224	3/4	198,770	3/4	207,090

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

RESTRAPPED: 05/03/2019 JS  
 RECALCULATED: 09/04/2019 CL  
 REPRINTED: 09/05/2019 SW  
 CANCEL AND SUPERCEDES  
 ALL PRIOR TO 09/2019

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77388  
<http://www.pma.com.net>



# BARGE "IB 1904"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												GAUGE HEIGHT 15'-02 1/2"											
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.					
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0				
0	26	10,831	23,340	36,628	47,974	60,433	72,892	85,351	97,810	110,269	122,728	135,187	147,646	160,105	172,564	185,023	197,482	210,041	222,500	234,959			
1/4	70	11,141	23,599	36,881	48,224	60,683	73,141	85,600	98,059	110,518	122,977	135,436	147,895	160,354	172,813	185,272	197,731	210,190	222,649	235,108			
1/2	113	11,401	23,859	37,141	48,483	60,942	73,399	85,858	98,317	110,776	123,235	135,694	148,153	160,612	173,071	185,530	197,989	210,448	222,907	235,366			
3/4	156	11,660	24,119	37,400	48,742	61,201	73,658	86,117	98,576	111,035	123,494	135,953	148,412	160,871	173,330	185,789	198,248	210,707	223,166	235,625			
1	199	11,920	24,378	37,660	49,001	61,460	73,917	86,376	98,835	111,294	123,753	136,212	148,671	161,130	173,589	186,048	198,507	210,966	223,425	235,884			
1 1/4	239	12,179	24,638	37,920	49,260	61,719	74,176	86,635	99,094	111,553	124,012	136,471	148,930	161,389	173,848	186,307	198,766	211,225	223,684	236,143			
1 1/2	286	12,439	24,897	38,180	49,519	62,000	74,435	86,894	99,353	111,812	124,271	136,730	149,189	161,648	174,107	186,566	199,025	211,484	223,943	236,402			
1 3/4	334	12,698	25,157	38,440	49,778	62,259	74,694	87,153	99,612	112,071	124,530	137,000	149,448	161,907	174,366	186,825	199,284	211,743	224,202	236,661			
2	382	12,958	25,416	38,700	50,037	62,518	74,953	87,412	99,871	112,330	124,789	137,259	149,707	162,166	174,625	187,084	199,543	212,002	224,461	236,920			
1/4	934	13,217	25,676	38,960	50,296	62,777	75,212	87,671	100,130	112,589	125,048	137,507	149,966	162,425	174,884	187,343	199,802	212,261	224,720	237,179			
1/2	1,150	13,477	25,935	39,220	50,555	63,036	75,471	87,930	100,389	112,848	125,307	137,766	150,225	162,684	175,143	187,602	199,861	212,520	225,000	237,438			
3/4	1,366	13,736	26,195	39,480	50,814	63,295	75,730	88,189	100,648	113,107	125,566	138,025	150,484	162,943	175,402	187,861	200,120	212,779	225,259	237,697			
1	1,582	14,000	26,454	39,740	51,073	63,554	76,000	88,448	100,907	113,368	125,825	138,284	150,743	163,202	175,661	188,120	200,379	213,038	225,518	237,956			
1 1/4	1,836	14,255	26,714	39,999	51,332	63,813	76,259	88,707	101,166	113,627	126,084	138,543	151,002	163,461	175,920	188,379	200,638	213,297	225,777	238,215			
1 1/2	2,091	14,515	26,974	40,200	51,591	64,072	76,518	88,966	101,425	113,886	126,343	138,802	151,261	163,720	176,179	188,638	200,897	213,536	226,036	238,474			
3/4	2,345	14,775	27,233	40,460	51,850	64,331	76,777	89,225	101,684	114,145	126,602	139,061	151,520	163,979	176,438	188,897	201,156	213,795	226,295	238,733			
1	2,599	15,034	27,493	40,720	52,109	64,590	77,036	89,484	101,943	114,404	126,861	139,320	151,779	164,238	176,697	189,156	201,415	214,054	226,554	239,000			
1 1/4	2,855	15,294	27,752	40,980	52,368	64,849	77,295	89,743	102,202	114,663	127,120	139,579	152,038	164,497	176,956	189,415	201,674	214,313	226,813	239,259			
1 1/2	3,112	15,553	28,012	41,240	52,627	65,108	77,554	89,999	102,461	114,922	127,379	139,838	152,297	164,756	177,215	189,674	201,933	214,572	227,072	239,518			
3/4	3,369	15,813	28,271	41,500	52,886	65,367	77,813	90,258	102,720	115,181	127,638	140,097	152,556	165,015	177,474	189,933	202,192	214,831	227,331	239,777			
1	3,625	16,072	28,531	41,760	53,145	65,626	78,072	90,517	102,979	115,440	127,897	140,356	152,815	165,274	177,733	190,192	202,451	215,090	227,590	240,036			
1 1/4	3,883	16,332	28,790	42,020	53,404	65,885	78,331	90,776	103,238	115,700	128,156	140,615	153,074	165,533	177,992	190,451	202,709	215,349	227,849	240,295			
1 1/2	4,141	16,592	29,050	42,280	53,664	66,144	78,590	91,035	103,497	115,959	128,415	140,874	153,333	165,792	178,251	190,710	203,000	215,608	228,108	240,554			
3/4	4,399	16,851	29,310	42,540	53,924	66,403	78,849	91,294	103,756	116,218	128,674	141,133	153,591	166,051	178,510	190,969	203,259	215,867	228,367	240,813			
1	4,657	17,111	29,569	42,800	54,183	66,662	79,108	91,553	104,015	116,477	128,933	141,392	153,850	166,310	178,769	191,228	203,518	216,126	228,626	241,072			
1 1/4	4,915	17,370	29,822	43,060	54,443	66,921	79,367	91,812	104,274	116,736	129,192	141,651	154,109	166,569	179,028	191,487	203,777	216,385	228,885	241,331			
1 1/2	5,174	17,630	30,074	43,320	54,702	67,182	79,626	92,071	104,533	117,000	129,451	141,910	154,368	166,828	179,287	191,746	204,036	216,644	229,144	241,590			
3/4	5,433	17,889	30,327	43,580	54,961	67,441	79,885	92,330	104,792	117,259	129,710	142,169	154,627	167,087	179,546	192,005	204,295	216,903	229,403	241,849			
1	5,692	18,149	30,579	43,840	55,220	67,701	80,144	92,589	105,051	117,518	130,000	142,428	154,886	167,346	179,805	192,264	204,554	217,162	229,662	242,108			
1 1/4	5,951	18,408	30,831	44,100	55,479	67,960	80,403	92,848	105,310	117,777	130,259	142,687	155,145	167,605	180,064	192,523	204,813	217,421	229,921	242,367			
1 1/2	6,210	18,668	31,084	44,360	55,738	68,220	80,662	93,107	105,569	118,036	130,518	142,946	155,404	167,864	180,323	192,782	205,072	217,680	230,180	242,626			
3/4	6,470	18,927	31,336	44,620	56,000	68,479	80,921	93,366	105,828	118,295	130,777	143,205	155,663	168,123	180,582	193,041	205,339	217,939	230,439	242,885			
1	6,729	19,187	31,589	44,880	56,260	68,739	81,180	93,625	106,087	118,554	131,036	143,464	155,922	168,382	180,841	193,300	205,598	218,198	230,698	243,144			
1 1/4	6,988	19,447	31,841	45,140	56,520	69,000	81,439	93,884	106,346	118,813	131,295	143,723	156,181	168,641	181,100	193,559	205,857	218,457	230,907	243,403			
1 1/2	7,248	19,706	32,094	45,400	56,780	69,259	81,698	94,143	106,605	119,072	131,554	143,982	156,440	168,900	181,359	193,818	206,116	218,716	231,166	243,662			
3/4	7,507	19,965	32,346	45,660	57,039	69,518	81,957	94,402	106,864	119,331	131,813	144,241	156,700	169,159	181,618	194,077	206,375	218,975	231,421	243,921			
1	7,767	20,225	32,599	45,920	57,298	69,777	82,216	94,661	107,123	119,590	132,072	144,500	156,959	169,418	181,877	194,336	206,634	219,234	231,680	244,180			
1 1/4	8,026	20,485	32,851	46,180	57,557	70,037	82,475	94,920	107,382	119,849	132,331	144,759	157,218	169,677	182,136	194,595	206,893	219,489	231,939	244,439			
1 1/2	8,286	20,744	33,104	46,440	57,817	70,296	82,734	95,179	107,641	120,108	132,590	145,018	157,477	169,936	182,395	194,854	207,152	220,200	232,198	244,698			
3/4	8,545	21,004	33,356	46,700	58,076	70,556	83,000	95,438	107,900	120,367	132,849	145,277	157,736	170,195	182,654	195,113	207,411	220,459	232,457	244,957			
1	8,805	21,263	33,609	46,960	58,335	70,815	83,259	95,697	108,159	120,626	133,108	145,536	158,000	170,454	182,913	195,372	207,670	220,718	232,716	245,216			
1 1/4	9,065	21,523	33,861	47,220	58,594	71,074	83,518	95,956	108,418	120,885	133,367	145,795	158,259	170,713	183,172	195,631	207,929	220,977	232,975	245,475			
1 1/2	9,324	21,783	34,113	47,480	58,853	71,333	83,777	96,215	108,677	121,144	133,626	146,054	158,518	170,972	183,431	195,890	208,188	221,236	233,234	245,734			
3/4	9,584	22,042	34,366	47,740	59,112	71,592	84,036	96,474	108,936	121,403	133,885	146,313	158,777	171,231	183,690	196,149	208,447	221,495	233,493	245,993			
1	9,843	22,302	34,618	48,000	59,371	71,851	84,295	96,733	109,195	121,662	134,144	146,572	159,036	171,490	183,949	196,408	208,706	221,754	233,752	246,252			
1 1/4	10,103	22,561	34,871	48,260	59,630	72,110	84,554	97,000	109,454	121,921	134,403	146,831	159,295	171,749	184,208	196,667	208,965	222,013	234,011	246,511			
1 1/2	10,362	22,821	35,123	48,520	59,889	72,369	84,813	97,259	109,713	122,180	134,662	147,090	159,554	172,008	184,467	196,926	209,224	222,272	234,270	246,770			
3/4	10,622	23,080	35,376	48,780	60,148	72,628	85,072	97,518	110,000	122,439	134,921	147,349	159,813	172,267	184,726	197,185	209,483	222,531	234,529	247,029			



# BARGE "IB 1904"

2 CENTER  
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT '15'-02 1/2"

IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	122,728	0	135,186	0	147,645	0	160,104	0	172,563	0
1/4	122,987	1/4	135,446	1/4	147,905	1/4	160,364	1/4	172,823	1/4
1/2	123,247	1/2	135,706	1/2	148,165	1/2	160,623	1/2	173,082	1/2
3/4	123,506	3/4	135,966	3/4	148,424	3/4	160,883	3/4	173,341	3/4
1	123,766	1	136,226	1	148,684	1	161,143	1	173,601	1
1/4	124,025	1/4	136,484	1/4	148,943	1/4	161,402	1/4	173,860	1/4
1/2	124,285	1/2	136,744	1/2	149,203	1/2	161,662	1/2	174,120	1/2
3/4	124,544	3/4	137,003	3/4	149,462	3/4	161,921	3/4	174,379	3/4
2	124,804	2	137,263	2	149,722	2	162,181	2	174,639	2
1/4	125,064	1/4	137,523	1/4	149,981	1/4	162,440	1/4	174,898	1/4
1/2	125,323	1/2	137,782	1/2	150,241	1/2	162,700	1/2	175,158	1/2
3/4	125,583	3/4	138,042	3/4	150,501	3/4	162,959	3/4	175,418	3/4
3	125,842	3	138,301	3	150,760	3	163,219	3	175,678	3
1/4	126,102	1/4	138,561	1/4	151,020	1/4	163,479	1/4	175,937	1/4
1/2	126,361	1/2	138,820	1/2	151,279	1/2	163,738	1/2	176,197	1/2
3/4	126,621	3/4	139,080	3/4	151,539	3/4	163,998	3/4	176,457	3/4
4	126,881	4	139,339	4	151,798	4	164,257	4	176,717	4
1/4	127,140	1/4	139,599	1/4	152,058	1/4	164,517	1/4	176,977	1/4
1/2	127,400	1/2	139,859	1/2	152,317	1/2	164,776	1/2	177,237	1/2
3/4	127,659	3/4	140,118	3/4	152,577	3/4	165,036	3/4	177,497	3/4
5	127,919	5	140,378	5	152,837	5	165,296	5	177,757	5
1/4	128,178	1/4	140,637	1/4	153,096	1/4	165,555	1/4	178,017	1/4
1/2	128,438	1/2	140,897	1/2	153,356	1/2	165,815	1/2	178,277	1/2
3/4	128,697	3/4	141,156	3/4	153,615	3/4	166,074	3/4	178,537	3/4
6	128,957	6	141,416	6	153,875	6	166,333	6	178,797	6
1/4	129,217	1/4	141,676	1/4	154,134	1/4	166,593	1/4	179,057	1/4
1/2	129,476	1/2	141,935	1/2	154,394	1/2	166,853	1/2	179,317	1/2
3/4	129,736	3/4	142,195	3/4	154,654	3/4	167,112	3/4	179,577	3/4
7	129,995	7	142,454	7	154,913	7	167,372	7	179,837	7
1/4	130,255	1/4	142,714	1/4	155,173	1/4	167,632	1/4	180,097	1/4
1/2	130,514	1/2	142,973	1/2	155,432	1/2	167,891	1/2	180,357	1/2
3/4	130,774	3/4	143,233	3/4	155,692	3/4	168,151	3/4	180,617	3/4
8	131,034	8	143,492	8	155,951	8	168,410	8	180,877	8
1/4	131,293	1/4	143,752	1/4	156,211	1/4	168,670	1/4	181,137	1/4
1/2	131,553	1/2	144,012	1/2	156,470	1/2	168,929	1/2	181,397	1/2
3/4	131,812	3/4	144,271	3/4	156,730	3/4	169,189	3/4	181,657	3/4
9	132,072	9	144,531	9	156,990	9	169,448	9	181,917	9
1/4	132,331	1/4	144,790	1/4	157,249	1/4	169,708	1/4	182,177	1/4
1/2	132,591	1/2	145,050	1/2	157,509	1/2	169,968	1/2	182,437	1/2
3/4	132,850	3/4	145,309	3/4	157,768	3/4	170,227	3/4	182,697	3/4
10	133,110	10	145,569	10	158,028	10	170,487	10	182,957	10
1/4	133,370	1/4	145,828	1/4	158,287	1/4	170,746	1/4	183,217	1/4
1/2	133,629	1/2	146,088	1/2	158,547	1/2	171,005	1/2	183,477	1/2
3/4	133,889	3/4	146,348	3/4	158,807	3/4	171,265	3/4	183,737	3/4
11	134,148	11	146,607	11	159,066	11	171,524	11	184,000	11
1/4	134,408	1/4	146,867	1/4	159,326	1/4	171,782	1/4	184,260	1/4
1/2	134,667	1/2	147,126	1/2	159,585	1/2	172,041	1/2	184,520	1/2
3/4	134,927	3/4	147,386	3/4	159,845	3/4	172,299	3/4	184,780	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

RESTRAPPED: 05/03/2019 JS  
 RECALCULATED: 05/04/2019 CL  
 REPRINTED: 05/05/2019 SW  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/2019

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P. O. Box 2052  
 Pearland, Texas 77588  
<http://www.pma.com.net>



# BARGE "IB 1904"

## 3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS			GAUGE HEIGHT 15'-02 1/4"																
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	26	1/4	10,765	0	23,090	0	35,404	0	47,723	0	60,049	0	72,374	0	84,699	0	97,025	0	109,350
1/2	69	1/4	11,022	1/2	23,347	1/2	35,661	1/2	47,980	1/2	60,305	1/2	72,631	1/2	84,956	1/2	97,282	1/2	109,607
1	112	1/2	11,279	1	23,604	1	35,917	1	48,237	1	60,562	1	72,888	1	85,213	1	97,538	1	109,864
3/4	155	3/4	11,535	3/4	23,860	3/4	36,173	3/4	48,493	3/4	60,819	3/4	73,144	3/4	85,470	3/4	97,795	3/4	110,121
1	197	1	11,792	1	24,117	1	36,430	1	48,750	1	61,076	1	73,401	1	85,727	1	98,052	1	110,377
1 1/2	326	1 1/2	12,049	1 1/2	24,374	1 1/2	36,686	1 1/2	49,007	1 1/2	61,332	1 1/2	73,658	1 1/2	85,983	1 1/2	98,309	1 1/2	110,634
2	453	2	12,306	2	24,631	2	36,942	2	49,264	2	61,589	2	73,915	2	86,240	2	98,566	2	110,891
2 1/2	583	2 1/2	12,562	2 1/2	24,887	2 1/2	37,199	2 1/2	49,521	2 1/2	61,846	2 1/2	74,171	2 1/2	86,497	2 1/2	98,822	2 1/2	111,148
3	711	3	12,819	3	25,144	3	37,455	3	49,777	3	62,103	3	74,428	3	86,754	3	99,079	3	111,405
3 1/2	924	3 1/2	13,076	3 1/2	25,401	3 1/2	37,711	3 1/2	50,034	3 1/2	62,360	3 1/2	74,685	3 1/2	87,010	3 1/2	99,336	3 1/2	111,661
4	1,138	4	13,333	4	25,658	4	37,968	4	50,291	4	62,616	4	74,942	4	87,267	4	99,593	4	111,918
4 1/2	1,352	4 1/2	13,589	4 1/2	25,915	4 1/2	38,224	4 1/2	50,548	4 1/2	62,873	4 1/2	75,199	4 1/2	87,524	4 1/2	99,849	4 1/2	112,175
5	1,565	5	13,846	5	26,171	5	38,481	5	50,804	5	63,130	5	75,455	5	87,781	5	99,336	5	112,432
5 1/2	1,817	5 1/2	14,103	5 1/2	26,428	5 1/2	38,737	5 1/2	51,061	5 1/2	63,387	5 1/2	75,712	5 1/2	88,038	5 1/2	100,383	5 1/2	112,689
6	2,068	6	14,360	6	26,685	6	38,993	6	51,318	6	63,643	6	75,969	6	88,294	6	100,620	6	112,945
6 1/2	2,320	6 1/2	14,617	6 1/2	26,942	6 1/2	39,250	6 1/2	51,575	6 1/2	63,900	6 1/2	76,226	6 1/2	88,551	6 1/2	100,877	6 1/2	113,202
7	2,571	7	14,873	7	27,198	7	39,506	7	51,832	7	64,157	7	76,482	7	88,808	7	101,133	7	113,459
7 1/2	2,825	7 1/2	15,130	7 1/2	27,455	7 1/2	39,763	7 1/2	52,088	7 1/2	64,414	7 1/2	76,739	7 1/2	89,065	7 1/2	101,390	7 1/2	113,716
8	3,079	8	15,387	8	27,712	8	40,020	8	52,345	8	64,671	8	76,996	8	89,321	8	101,647	8	113,972
8 1/2	3,333	8 1/2	15,644	8 1/2	27,969	8 1/2	40,276	8 1/2	52,602	8 1/2	64,927	8 1/2	77,253	8 1/2	89,578	8 1/2	101,904	8 1/2	114,229
9	3,586	9	15,900	9	28,225	9	40,533	9	52,859	9	65,184	9	77,510	9	89,835	9	102,161	9	114,486
9 1/2	3,842	9 1/2	16,157	9 1/2	28,482	9 1/2	40,790	9 1/2	53,115	9 1/2	65,441	9 1/2	77,766	9 1/2	90,092	9 1/2	102,417	9 1/2	114,743
10	4,097	10	16,414	10	28,739	10	41,047	10	53,372	10	65,698	10	78,023	10	90,349	10	102,674	10	115,000
10 1/2	4,352	10 1/2	16,671	10 1/2	28,996	10 1/2	41,304	10 1/2	53,629	10 1/2	65,954	10 1/2	78,280	10 1/2	90,605	10 1/2	102,931	10 1/2	115,256
11	4,607	11	16,928	11	29,253	11	41,560	11	53,886	11	66,211	11	78,537	11	90,862	11	103,188	11	115,513
11 1/2	4,863	11 1/2	17,184	11 1/2	29,509	11 1/2	41,817	11 1/2	54,143	11 1/2	66,468	11 1/2	78,794	11 1/2	91,119	11 1/2	103,444	11 1/2	115,770
12	5,119	12	17,441	12	29,765	12	42,074	12	54,399	12	66,725	12	79,050	12	91,376	12	103,701	12	116,027
12 1/2	5,375	12 1/2	17,698	12 1/2	30,022	12 1/2	42,331	12 1/2	54,656	12 1/2	66,982	12 1/2	79,307	12 1/2	91,633	12 1/2	103,958	12 1/2	116,283
13	5,631	13	17,955	13	30,278	13	42,587	13	54,913	13	67,238	13	79,564	13	91,889	13	104,215	13	116,540
13 1/2	5,887	13 1/2	18,211	13 1/2	30,534	13 1/2	42,844	13 1/2	55,170	13 1/2	67,495	13 1/2	79,821	13 1/2	92,146	13 1/2	104,472	13 1/2	116,797
14	6,144	14	18,468	14	30,790	14	43,101	14	55,426	14	67,752	14	80,077	14	92,403	14	104,728	14	117,054
14 1/2	6,400	14 1/2	18,725	14 1/2	31,047	14 1/2	43,358	14 1/2	55,683	14 1/2	68,009	14 1/2	80,334	14 1/2	92,660	14 1/2	104,985	14 1/2	117,311
15	6,657	15	18,982	15	31,303	15	43,615	15	55,940	15	68,266	15	80,591	15	92,916	15	105,242	15	117,567
15 1/2	6,914	15 1/2	19,238	15 1/2	31,559	15 1/2	43,871	15 1/2	56,197	15 1/2	68,522	15 1/2	80,848	15 1/2	93,173	15 1/2	105,503	15 1/2	117,824
16	7,170	16	19,495	16	31,816	16	44,128	16	56,454	16	68,779	16	81,105	16	93,430	16	105,759	16	118,081
16 1/2	7,427	16 1/2	19,752	16 1/2	32,072	16 1/2	44,385	16 1/2	56,710	16 1/2	69,036	16 1/2	81,361	16 1/2	93,687	16 1/2	106,016	16 1/2	118,338
17	7,684	17	20,009	17	32,328	17	44,642	17	56,967	17	69,293	17	81,618	17	93,944	17	106,269	17	118,594
17 1/2	7,941	17 1/2	20,266	17 1/2	32,585	17 1/2	44,899	17 1/2	57,224	17 1/2	69,549	17 1/2	81,875	17 1/2	94,200	17 1/2	106,526	17 1/2	118,851
18	8,197	18	20,522	18	32,841	18	45,155	18	57,481	18	69,806	18	82,132	18	94,457	18	106,783	18	119,108
18 1/2	8,454	18 1/2	20,779	18 1/2	33,097	18 1/2	45,412	18 1/2	57,738	18 1/2	70,063	18 1/2	82,388	18 1/2	94,714	18 1/2	107,039	18 1/2	119,365
19	8,711	19	21,036	19	33,354	19	45,669	19	57,994	19	70,320	19	82,645	19	94,971	19	107,296	19	119,622
19 1/2	8,968	19 1/2	21,293	19 1/2	33,610	19 1/2	45,926	19 1/2	58,251	19 1/2	70,577	19 1/2	82,902	19 1/2	95,227	19 1/2	107,553	19 1/2	119,878
20	9,224	20	21,549	20	33,866	20	46,182	20	58,508	20	70,833	20	83,159	20	95,484	20	107,810	20	120,135
20 1/2	9,481	20 1/2	21,806	20 1/2	34,123	20 1/2	46,439	20 1/2	58,765	20 1/2	71,090	20 1/2	83,416	20 1/2	95,741	20 1/2	108,067	20 1/2	120,392
21	9,738	21	22,063	21	34,379	21	46,696	21	59,021	21	71,347	21	83,672	21	95,998	21	108,323	21	120,649
21 1/2	9,995	21 1/2	22,320	21 1/2	34,635	21 1/2	46,953	21 1/2	59,278	21 1/2	71,604	21 1/2	83,929	21 1/2	96,255	21 1/2	108,580	21 1/2	120,905
22	10,251	22	22,576	22	34,892	22	47,210	22	59,535	22	71,860	22	84,186	22	96,511	22	108,837	22	121,162
22 1/2	10,508	22 1/2	22,833	22 1/2	35,148	22 1/2	47,466	22 1/2	59,792	22 1/2	72,117	22 1/2	84,443	22 1/2	96,768	22 1/2	109,094	22 1/2	121,419

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD.  
 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.  
 PRECISION MEASUREMENT & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
 http://www.pmatcorp.net



# BARGE "IB 1904"

3 CENTER  
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/4"

IN	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	121,676	0	134,001	0	146,327	0	158,652	0	170,972	0	183,297	0	195,622	0	207,947	0	220,272	0	232,597	0
1/4	121,933	1/4	134,258	1/4	146,584	1/4	158,909	1/4	171,217	1/4	183,524	1/4	195,831	1/4	208,138	1/4	220,445	1/4	232,752	1/4
1/2	122,189	1/2	134,515	1/2	146,840	1/2	159,166	1/2	171,461	1/2	183,767	1/2	196,073	1/2	208,379	1/2	220,685	1/2	232,991	1/2
3/4	122,446	3/4	134,772	3/4	147,097	3/4	159,423	3/4	171,706	3/4	184,032	3/4	196,358	3/4	208,684	3/4	221,010	3/4	233,336	3/4
1	122,703	1	135,028	1	147,354	1	159,679	1	171,951	1	184,277	1	196,603	1	208,929	1	221,255	1	233,581	1
1/4	122,960	1/4	135,285	1/4	147,611	1/4	159,936	1/4	172,122	1/4	184,448	1/4	196,774	1/4	209,099	1/4	221,425	1/4	233,747	1/4
1/2	123,216	1/2	135,542	1/2	147,867	1/2	160,193	1/2	172,293	1/2	184,615	1/2	197,037	1/2	209,359	1/2	221,681	1/2	234,003	1/2
3/4	123,473	3/4	135,799	3/4	148,124	3/4	160,450	3/4	172,464	3/4	184,886	3/4	197,310	3/4	209,685	3/4	221,938	3/4	234,260	3/4
2	123,730	2	136,056	2	148,381	2	160,706	2	172,635	2	185,064	2	197,563	2	209,912	2	222,186	2	234,517	2
1/4	123,987	1/4	136,312	1/4	148,638	1/4	160,963	1/4	172,721	1/4	185,110	1/4	197,611	1/4	210,135	1/4	222,441	1/4	234,774	1/4
1/2	124,244	1/2	136,569	1/2	148,895	1/2	161,220	1/2	172,807	1/2	185,266	1/2	197,802	1/2	210,392	1/2	222,698	1/2	235,031	1/2
3/4	124,500	3/4	136,826	3/4	149,151	3/4	161,477	3/4	172,892	3/4	185,353	3/4	197,898	3/4	210,649	3/4	222,956	3/4	235,288	3/4
3	124,757	3	137,083	3	149,408	3	161,734	3	172,978	3	185,430	3	197,984	3	210,906	3	223,212	3	235,545	3
1/4	125,014	1/4	137,339	1/4	149,665	1/4	161,990	1/4	173,021	1/4	185,481	1/4	198,037	1/4	211,163	1/4	223,469	1/4	235,802	1/4
1/2	125,271	1/2	137,596	1/2	149,922	1/2	162,247	1/2	173,021	1/2	185,532	1/2	198,088	1/2	211,420	1/2	223,726	1/2	236,059	1/2
3/4	125,528	3/4	137,853	3/4	150,178	3/4	162,504	3/4	173,021	3/4	185,583	3/4	198,139	3/4	211,677	3/4	223,983	3/4	236,316	3/4
4	125,784	4	138,110	4	150,435	4	162,761	4	173,021	4	185,634	4	198,190	4	211,934	4	224,240	4	236,573	4
1/4	126,041	1/4	138,367	1/4	150,692	1/4	163,017	1/4	173,021	1/4	185,685	1/4	198,241	1/4	212,187	1/4	224,497	1/4	236,830	1/4
1/2	126,298	1/2	138,623	1/2	150,949	1/2	163,274	1/2	173,021	1/2	185,736	1/2	198,292	1/2	212,444	1/2	224,754	1/2	237,087	1/2
3/4	126,555	3/4	138,880	3/4	151,206	3/4	163,531	3/4	173,021	3/4	185,787	3/4	198,343	3/4	212,701	3/4	225,010	3/4	237,344	3/4
5	126,811	5	139,137	5	151,462	5	163,788	5	173,021	5	185,838	5	198,394	5	212,958	5	225,267	5	237,601	5
1/4	127,068	1/4	139,394	1/4	151,719	1/4	164,045	1/4	173,021	1/4	185,889	1/4	198,445	1/4	213,215	1/4	225,524	1/4	237,858	1/4
1/2	127,325	1/2	139,650	1/2	151,976	1/2	164,301	1/2	173,021	1/2	185,940	1/2	198,496	1/2	213,472	1/2	225,781	1/2	238,115	1/2
3/4	127,582	3/4	139,907	3/4	152,233	3/4	164,558	3/4	173,021	3/4	185,991	3/4	198,547	3/4	213,729	3/4	225,832	3/4	238,372	3/4
6	127,839	6	140,164	6	152,489	6	164,815	6	173,021	6	186,042	6	198,598	6	213,986	6	226,089	6	238,629	6
1/4	128,095	1/4	140,421	1/4	152,746	1/4	165,072	1/4	173,021	1/4	186,093	1/4	198,649	1/4	214,243	1/4	226,346	1/4	238,886	1/4
1/2	128,352	1/2	140,678	1/2	153,003	1/2	165,328	1/2	173,021	1/2	186,144	1/2	198,699	1/2	214,500	1/2	226,603	1/2	239,143	1/2
3/4	128,609	3/4	140,934	3/4	153,260	3/4	165,585	3/4	173,021	3/4	186,195	3/4	198,750	3/4	214,757	3/4	226,860	3/4	239,400	3/4
7	128,866	7	141,191	7	153,517	7	165,842	7	173,021	7	186,246	7	198,801	7	215,014	7	227,117	7	239,657	7
1/4	129,122	1/4	141,448	1/4	153,773	1/4	166,099	1/4	173,021	1/4	186,297	1/4	198,852	1/4	215,271	1/4	227,374	1/4	239,914	1/4
1/2	129,379	1/2	141,705	1/2	154,030	1/2	166,356	1/2	173,021	1/2	186,348	1/2	198,903	1/2	215,528	1/2	227,631	1/2	240,171	1/2
3/4	129,636	3/4	141,961	3/4	154,287	3/4	166,612	3/4	173,021	3/4	186,399	3/4	198,954	3/4	215,785	3/4	227,888	3/4	240,428	3/4
8	129,893	8	142,218	8	154,544	8	166,869	8	173,021	8	186,450	8	199,005	8	216,042	8	228,145	8	240,685	8
1/4	130,150	1/4	142,475	1/4	154,800	1/4	167,126	1/4	173,021	1/4	186,501	1/4	199,056	1/4	216,299	1/4	228,402	1/4	240,942	1/4
1/2	130,406	1/2	142,732	1/2	155,057	1/2	167,383	1/2	173,021	1/2	186,552	1/2	199,107	1/2	216,556	1/2	228,659	1/2	241,199	1/2
3/4	130,663	3/4	142,989	3/4	155,314	3/4	167,639	3/4	173,021	3/4	186,603	3/4	199,158	3/4	216,812	3/4	228,916	3/4	241,456	3/4
9	130,920	9	143,245	9	155,571	9	167,896	9	173,021	9	186,654	9	199,209	9	217,069	9	229,173	9	241,713	9
1/4	131,177	1/4	143,502	1/4	155,828	1/4	168,153	1/4	173,021	1/4	186,705	1/4	199,260	1/4	217,326	1/4	229,430	1/4	241,970	1/4
1/2	131,433	1/2	143,759	1/2	156,084	1/2	168,410	1/2	173,021	1/2	186,756	1/2	199,311	1/2	217,583	1/2	229,687	1/2	242,227	1/2
3/4	131,690	3/4	144,016	3/4	156,341	3/4	168,667	3/4	173,021	3/4	186,807	3/4	199,362	3/4	217,840	3/4	229,944	3/4	242,484	3/4
10	131,947	10	144,272	10	156,598	10	168,923	10	173,021	10	186,858	10	199,413	10	218,097	10	230,201	10	242,741	10
1/4	132,204	1/4	144,529	1/4	156,855	1/4	169,180	1/4	173,021	1/4	186,909	1/4	199,464	1/4	218,354	1/4	230,458	1/4	242,998	1/4
1/2	132,461	1/2	144,786	1/2	157,111	1/2	169,436	1/2	173,021	1/2	186,960	1/2	199,515	1/2	218,611	1/2	230,715	1/2	243,255	1/2
3/4	132,717	3/4	145,043	3/4	157,368	3/4	169,693	3/4	173,021	3/4	187,011	3/4	199,566	3/4	218,868	3/4	230,972	3/4	243,512	3/4
11	132,974	11	145,300	11	157,625	11	169,949	11	173,021	11	187,062	11	199,617	11	219,125	11	231,229	11	243,769	11
1/4	133,231	1/4	145,556	1/4	157,882	1/4	170,205	1/4	173,021	1/4	187,113	1/4	199,668	1/4	219,382	1/4	231,486	1/4	244,026	1/4
1/2	133,488	1/2	145,813	1/2	158,139	1/2	170,461	1/2	173,021	1/2	187,164	1/2	199,719	1/2	219,639	1/2	231,743	1/2	244,283	1/2
3/4	133,744	3/4	146,070	3/4	158,395	3/4	170,716	3/4	173,021	3/4	187,215	3/4	199,770	3/4	219,896	3/4	232,000	3/4	244,540	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

RESTRAPPED: 05/03/2019 JS  
 RECALCULATED: 05/04/2019 CL  
 REPRINTED: 05/05/2019 SW  
 CANCELS AND SUPERCEDES  
 ALL PRIOR TO 05/20/19

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