

Gallop



BARGE "1B 1317"

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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-3/8	- 01-3/8
3 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

$$\begin{array}{rcl}
 \text{FWD. DRAFT} & = & 2'.00" \\
 \text{AFT DRAFT} & = & \frac{4'.00"}{2} \\
 \text{DIFF.} & = & 2'.00" \quad (\text{DOWN BY STERN})
 \end{array}$$

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS - 00-1/2"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 163'-03"

March 25, 2020

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

Eric Stearns



BARGE "IB 1317"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS GAUGE HEIGHT 16'-01 3/4"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	230	11,099	23,014	34,716	46,482	58,375	70,268	82,123	94,020	105,918
1/4	305	11,347	23,562	34,955	46,730	58,623	70,516	82,370	94,268	106,166
1/2	379	11,596	23,610	35,195	46,978	58,870	70,763	82,618	94,516	106,414
3/4	454	11,844	23,758	35,434	47,225	59,118	71,011	82,866	94,764	106,662
1	528	12,093	24,005	35,673	47,472	59,366	71,259	83,114	95,012	106,909
1 1/4	699	12,341	24,253	35,912	47,721	59,614	71,506	83,362	95,260	107,157
1 1/2	869	12,589	24,501	36,152	47,969	59,861	71,754	83,610	95,507	107,405
1 3/4	1,039	12,838	24,749	36,391	48,216	60,109	72,001	83,858	95,755	107,653
2	1,210	13,086	24,997	36,630	48,464	60,357	72,249	84,106	96,003	107,901
2 1/4	1,448	13,335	25,245	36,870	48,712	60,605	72,496	84,353	96,251	108,149
1/2	1,685	13,583	25,493	37,109	48,960	60,853	72,743	84,601	96,499	108,397
3/4	1,923	13,831	25,741	37,348	49,207	61,100	72,989	84,849	96,747	108,644
3	2,161	14,080	25,989	37,588	49,455	61,348	73,236	85,097	96,995	108,892
1 1/4	2,408	14,328	26,237	37,829	49,703	61,596	73,483	85,345	97,243	109,140
1 1/2	2,655	14,576	26,485	38,071	49,951	61,844	73,730	85,593	97,490	109,388
1 3/4	2,903	14,825	26,733	38,312	50,199	62,091	73,977	85,841	97,738	109,636
4	3,150	15,073	26,980	38,553	50,446	62,339	74,224	86,088	97,986	109,884
1 1/4	3,399	15,321	27,228	38,801	50,694	62,587	74,470	86,336	98,234	110,132
1 1/2	3,647	15,570	27,476	39,049	50,942	62,835	74,717	86,584	98,482	110,380
3/4	3,895	15,818	27,724	39,297	51,190	63,082	74,964	86,832	98,730	110,627
5	4,143	16,067	27,972	39,544	51,437	63,330	75,211	87,080	98,978	110,875
1 1/4	4,392	16,315	28,218	39,792	51,685	63,578	75,458	87,328	99,225	111,123
1 1/2	4,640	16,563	28,465	40,040	51,933	63,826	75,704	87,576	99,473	111,371
3/4	4,888	16,812	28,711	40,288	52,181	64,074	75,951	87,824	99,721	111,619
6	5,137	17,060	28,957	40,536	52,428	64,321	76,198	88,071	99,969	111,867
1 1/4	5,385	17,309	29,199	40,783	52,676	64,569	76,445	88,319	100,217	112,115
1 1/2	5,634	17,557	29,440	41,031	52,924	64,817	76,692	88,567	100,465	112,362
3/4	5,882	17,805	29,682	41,279	53,172	65,065	76,938	88,815	100,713	112,610
7	6,131	18,054	29,923	41,527	53,420	65,312	77,185	89,063	100,961	112,858
1 1/4	6,379	18,302	30,164	41,774	53,667	65,560	77,432	89,311	101,208	113,106
1 1/2	6,627	18,550	30,405	42,022	53,915	65,808	77,679	89,559	101,456	113,354
3/4	6,876	18,799	30,646	42,270	54,163	66,056	77,926	89,807	101,704	113,602
8	7,124	19,047	30,887	42,518	54,411	66,303	78,173	90,054	101,952	113,850
1 1/4	7,373	19,295	31,126	42,765	54,658	66,551	78,419	90,302	102,200	114,098
1 1/2	7,621	19,543	31,365	43,013	54,906	66,799	78,666	90,550	102,448	114,345
3/4	7,869	19,791	31,605	43,261	55,154	67,047	78,913	90,798	102,696	114,593
9	8,118	20,039	31,844	43,509	55,402	67,295	79,160	91,046	102,943	114,841
1 1/4	8,366	20,287	32,083	43,757	55,649	67,542	79,407	91,294	103,191	115,089
1 1/2	8,615	20,535	32,323	44,004	55,897	67,790	79,653	91,542	103,439	115,337
3/4	8,863	20,782	32,562	44,252	56,145	68,038	79,900	91,789	103,687	115,584
10	9,112	21,030	32,801	44,500	56,393	68,286	80,147	92,037	103,935	115,832
1 1/4	9,360	21,278	33,041	44,748	56,640	68,533	80,394	92,285	104,183	116,080
1 1/2	9,608	21,526	33,280	44,995	56,888	68,781	80,641	92,533	104,431	116,327
3/4	9,857	21,774	33,519	45,243	57,136	69,029	80,887	92,781	104,679	116,575
11	10,105	22,022	33,759	45,491	57,384	69,277	81,134	93,029	104,926	116,822
1 1/4	10,354	22,270	33,998	45,739	57,632	69,524	81,381	93,277	105,174	117,070
1 1/2	10,602	22,518	34,237	45,986	57,879	69,772	81,628	93,525	105,422	117,317
3/4	10,850	22,766	34,477	46,234	58,127	70,020	81,876	93,772	105,670	117,565

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
http://www.pma.com.net

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPM'S 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'-00" FORWARD OF AFT BULKHEAD.



BARGE "IB 1317"

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	117,812	1/4	128,875	1/4	139,052	1/4	149,228	1/4	159,405	1/4	169,555	1/4	179,699	1/4	189,837	1/4	199,969	1/4	210,095
3/4	118,060	3/4	129,087	3/4	139,264	3/4	149,440	3/4	159,617	3/4	169,844	3/4	179,968	3/4	189,989	3/4	199,999	3/4	210,000
1/2	118,307	1/2	129,299	1/2	139,476	1/2	149,652	1/2	159,829	1/2	169,989	1/2	179,989	1/2	189,989	1/2	199,989	1/2	210,000
1/4	118,555	1/4	129,511	1/4	139,688	1/4	149,864	1/4	159,989	1/4	169,989	1/4	179,989	1/4	189,989	1/4	199,989	1/4	210,000
3/4	118,802	3/4	129,733	3/4	139,900	3/4	149,976	3/4	159,989	3/4	169,989	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/2	119,050	1/2	129,935	1/2	140,112	1/2	150,288	1/2	160,465	1/2	170,201	1/2	179,989	1/2	189,989	1/2	199,989	1/2	210,000
3/4	119,297	3/4	130,147	3/4	140,324	3/4	150,500	3/4	160,677	3/4	170,268	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/4	119,545	1/4	130,359	1/4	140,536	1/4	150,712	1/4	160,889	1/4	170,336	1/4	179,989	1/4	189,989	1/4	199,989	1/4	210,000
3/4	119,792	3/4	130,571	3/4	140,748	3/4	150,924	3/4	161,101	3/4	170,403	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/2	120,040	1/2	130,783	1/2	141,172	1/2	151,348	1/2	161,525	1/2	170,424	1/2	179,989	1/2	189,989	1/2	199,989	1/2	210,000
3/4	120,288	3/4	130,995	3/4	141,172	3/4	151,348	3/4	161,525	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/4	120,535	1/4	131,207	1/4	141,384	1/4	151,560	1/4	161,737	1/4	170,424	1/4	179,989	1/4	189,989	1/4	199,989	1/4	210,000
3/4	120,783	3/4	131,419	3/4	141,596	3/4	151,772	3/4	161,949	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/2	121,030	1/2	131,631	1/2	141,808	1/2	151,984	1/2	162,161	1/2	170,424	1/2	179,989	1/2	189,989	1/2	199,989	1/2	210,000
3/4	121,278	3/4	131,843	3/4	142,020	3/4	152,196	3/4	162,373	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/4	121,525	1/4	132,055	1/4	142,232	1/4	152,408	1/4	162,585	1/4	170,424	1/4	179,989	1/4	189,989	1/4	199,989	1/4	210,000
3/4	121,773	3/4	132,267	3/4	142,444	3/4	152,620	3/4	162,797	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/2	122,020	1/2	132,479	1/2	142,656	1/2	152,832	1/2	163,009	1/2	170,424	1/2	179,989	1/2	189,989	1/2	199,989	1/2	210,000
3/4	122,268	3/4	132,691	3/4	142,868	3/4	153,044	3/4	163,221	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/4	122,515	1/4	132,903	1/4	143,080	1/4	153,256	1/4	163,433	1/4	170,424	1/4	179,989	1/4	189,989	1/4	199,989	1/4	210,000
3/4	122,763	3/4	133,115	3/4	143,292	3/4	153,468	3/4	163,645	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/2	123,006	1/2	133,327	1/2	143,504	1/2	153,681	1/2	163,857	1/2	170,424	1/2	179,989	1/2	189,989	1/2	199,989	1/2	210,000
3/4	123,249	3/4	133,539	3/4	143,716	3/4	153,893	3/4	164,089	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/4	123,492	1/4	133,751	1/4	143,928	1/4	154,105	1/4	164,281	1/4	170,424	1/4	179,989	1/4	189,989	1/4	199,989	1/4	210,000
3/4	123,735	3/4	133,963	3/4	144,140	3/4	154,317	3/4	164,493	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/2	123,960	1/2	134,175	1/2	144,352	1/2	154,529	1/2	164,705	1/2	170,424	1/2	179,989	1/2	189,989	1/2	199,989	1/2	210,000
3/4	124,185	3/4	134,387	3/4	144,564	3/4	154,741	3/4	164,917	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/4	124,410	1/4	134,599	1/4	144,776	1/4	154,953	1/4	165,129	1/4	170,424	1/4	179,989	1/4	189,989	1/4	199,989	1/4	210,000
3/4	124,635	3/4	134,811	3/4	144,988	3/4	155,165	3/4	165,341	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/2	124,847	1/2	135,023	1/2	145,200	1/2	155,377	1/2	165,553	1/2	170,424	1/2	179,989	1/2	189,989	1/2	199,989	1/2	210,000
3/4	125,059	3/4	135,235	3/4	145,412	3/4	155,589	3/4	165,765	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/4	125,271	1/4	135,447	1/4	145,624	1/4	155,801	1/4	165,977	1/4	170,424	1/4	179,989	1/4	189,989	1/4	199,989	1/4	210,000
3/4	125,483	3/4	135,659	3/4	145,836	3/4	156,013	3/4	166,189	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/2	125,695	1/2	135,871	1/2	146,048	1/2	156,225	1/2	166,401	1/2	170,424	1/2	179,989	1/2	189,989	1/2	199,989	1/2	210,000
3/4	125,907	3/4	136,083	3/4	146,260	3/4	156,437	3/4	166,613	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/4	126,119	1/4	136,295	1/4	146,472	1/4	156,649	1/4	166,825	1/4	170,424	1/4	179,989	1/4	189,989	1/4	199,989	1/4	210,000
3/4	126,331	3/4	136,507	3/4	146,684	3/4	156,861	3/4	167,037	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/2	126,543	1/2	136,719	1/2	146,896	1/2	157,073	1/2	167,249	1/2	170,424	1/2	179,989	1/2	189,989	1/2	199,989	1/2	210,000
3/4	126,755	3/4	136,931	3/4	147,108	3/4	157,285	3/4	167,460	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/4	126,967	1/4	137,143	1/4	147,320	1/4	157,497	1/4	167,672	1/4	170,424	1/4	179,989	1/4	189,989	1/4	199,989	1/4	210,000
3/4	127,179	3/4	137,355	3/4	147,532	3/4	157,709	3/4	167,883	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/2	127,391	1/2	137,567	1/2	147,744	1/2	157,921	1/2	168,096	1/2	170,424	1/2	179,989	1/2	189,989	1/2	199,989	1/2	210,000
3/4	127,603	3/4	137,779	3/4	147,956	3/4	158,133	3/4	168,309	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/4	127,815	1/4	137,991	1/4	148,168	1/4	158,345	1/4	168,521	1/4	170,424	1/4	179,989	1/4	189,989	1/4	199,989	1/4	210,000
3/4	128,027	3/4	138,204	3/4	148,380	3/4	158,557	3/4	168,734	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/2	128,239	1/2	138,416	1/2	148,592	1/2	158,769	1/2	168,939	1/2	170,424	1/2	179,989	1/2	189,989	1/2	199,989	1/2	210,000
3/4	128,451	3/4	138,628	3/4	148,804	3/4	158,981	3/4	169,144	3/4	170,424	3/4	179,989	3/4	189,989	3/4	199,989	3/4	210,000
1/4	128,663	1/4	138,840	1/4	149,016	1/4	159,193	1/4	169,349	1/4	170,424	1/4	179,989	1/4	189,989	1/4	199,989	1/4	210,000

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STAMPED: 03/23/2020 CL
 CALCULATED: 03/24/2020 CL
 PRINTED: 03/24/2020 SW

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

[Signature]

CANCELS AND SUPERCEDES



BARGE "IB 1317"

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	101,805	1/2	112,095	3/4	122,384	1	132,674	1/4	142,964	1/2	153,136	3/4	163,261	1	173,386	1/4	183,511	1/2	193,636
1/4	102,019	1/2	112,309	3/4	122,599	1	132,888	1/4	143,178	1/2	153,468	3/4	163,758	1	174,048	1/4	184,338	1/2	194,628
1/4	102,234	1/2	112,523	3/4	122,813	1	133,103	1/4	143,392	1/2	153,682	3/4	163,972	1	174,262	1/4	184,552	1/2	194,842
1/4	102,448	1/2	112,738	3/4	123,027	1	133,317	1/4	143,607	1/2	153,897	3/4	164,187	1	174,477	1/4	184,767	1/2	195,057
1/4	102,663	1/2	112,952	3/4	123,242	1	133,531	1/4	143,821	1/2	154,111	3/4	164,401	1	174,691	1/4	184,981	1/2	195,271
1/4	102,877	1/2	113,167	3/4	123,456	1	133,746	1/4	144,036	1/2	154,326	3/4	164,616	1	174,906	1/4	185,196	1/2	195,486
1/4	103,091	1/2	113,381	3/4	123,671	1	133,960	1/4	144,250	1/2	154,540	3/4	164,826	1	175,116	1/4	185,406	1/2	195,696
1/4	103,306	1/2	113,595	3/4	123,885	1	134,175	1/4	144,464	1/2	154,754	3/4	165,030	1	175,326	1/4	185,616	1/2	195,916
1/4	103,520	1/2	113,810	3/4	124,099	1	134,389	1/4	144,679	1/2	154,968	3/4	165,239	1	175,536	1/4	185,826	1/2	196,136
1/4	103,734	1/2	114,024	3/4	124,314	1	134,603	1/4	144,893	1/2	155,182	3/4	165,453	1	175,750	1/4	186,036	1/2	196,356
1/4	103,949	1/2	114,238	3/4	124,528	1	134,818	1/4	145,107	1/2	155,391	3/4	165,662	1	175,964	1/4	186,250	1/2	196,570
1/4	104,163	1/2	114,453	3/4	124,742	1	135,032	1/4	145,322	1/2	155,605	3/4	165,871	1	176,177	1/4	186,464	1/2	196,784
1/4	104,377	1/2	114,667	3/4	124,957	1	135,246	1/4	145,536	1/2	155,819	3/4	166,080	1	176,391	1/4	186,672	1/2	196,996
1/4	104,592	1/2	114,881	3/4	125,171	1	135,461	1/4	145,750	1/2	156,032	3/4	166,288	1	176,606	1/4	186,880	1/2	197,212
1/4	104,806	1/2	115,096	3/4	125,386	1	135,675	1/4	145,965	1/2	156,246	3/4	166,502	1	176,820	1/4	187,096	1/2	197,428
1/4	105,021	1/2	115,310	3/4	125,600	1	135,890	1/4	146,179	1/2	156,460	3/4	166,716	1	177,034	1/4	187,312	1/2	197,644
1/4	105,235	1/2	115,525	3/4	125,814	1	136,104	1/4	146,394	1/2	156,674	3/4	166,930	1	177,248	1/4	187,526	1/2	197,860
1/4	105,449	1/2	115,739	3/4	126,029	1	136,318	1/4	146,608	1/2	156,888	3/4	167,144	1	177,462	1/4	187,740	1/2	198,076
1/4	105,664	1/2	115,953	3/4	126,243	1	136,533	1/4	146,822	1/2	157,102	3/4	167,358	1	177,676	1/4	187,954	1/2	198,292
1/4	105,878	1/2	116,168	3/4	126,457	1	136,747	1/4	147,037	1/2	157,316	3/4	167,572	1	177,890	1/4	188,168	1/2	198,508
1/4	106,092	1/2	116,382	3/4	126,672	1	136,961	1/4	147,251	1/2	157,530	3/4	167,786	1	178,104	1/4	188,382	1/2	198,724
1/4	106,307	1/2	116,596	3/4	126,886	1	137,176	1/4	147,465	1/2	157,744	3/4	168,000	1	178,320	1/4	188,596	1/2	198,940
1/4	106,521	1/2	116,811	3/4	127,100	1	137,390	1/4	147,680	1/2	157,958	3/4	168,214	1	178,534	1/4	188,810	1/2	199,154
1/4	106,736	1/2	117,025	3/4	127,315	1	137,604	1/4	147,894	1/2	158,172	3/4	168,428	1	178,748	1/4	189,024	1/2	199,368
1/4	106,950	1/2	117,240	3/4	127,529	1	137,819	1/4	148,108	1/2	158,386	3/4	168,642	1	178,962	1/4	189,238	1/2	199,582
1/4	107,164	1/2	117,454	3/4	127,744	1	138,033	1/4	148,323	1/2	158,600	3/4	168,856	1	179,176	1/4	189,452	1/2	199,796
1/4	107,379	1/2	117,668	3/4	127,958	1	138,248	1/4	148,537	1/2	158,814	3/4	169,070	1	179,390	1/4	189,666	1/2	200,010
1/4	107,593	1/2	117,883	3/4	128,172	1	138,462	1/4	148,752	1/2	159,028	3/4	169,284	1	179,604	1/4	189,880	1/2	200,224
1/4	107,807	1/2	118,097	3/4	128,387	1	138,676	1/4	148,966	1/2	159,242	3/4	169,498	1	179,818	1/4	190,094	1/2	200,438
1/4	108,022	1/2	118,311	3/4	128,601	1	138,891	1/4	149,180	1/2	159,456	3/4	169,712	1	180,032	1/4	190,310	1/2	200,652
1/4	108,236	1/2	118,526	3/4	128,815	1	139,105	1/4	149,395	1/2	159,670	3/4	170,000	1	180,246	1/4	190,524	1/2	200,866
1/4	108,450	1/2	118,740	3/4	129,030	1	139,319	1/4	149,609	1/2	159,884	3/4	170,214	1	180,460	1/4	190,738	1/2	201,080
1/4	108,665	1/2	118,954	3/4	129,244	1	139,534	1/4	149,823	1/2	160,098	3/4	170,428	1	180,674	1/4	190,952	1/2	201,294
1/4	108,879	1/2	119,169	3/4	129,458	1	139,748	1/4	150,038	1/2	160,312	3/4	170,642	1	180,888	1/4	191,166	1/2	201,508
1/4	109,094	1/2	119,383	3/4	129,673	1	139,962	1/4	150,252	1/2	160,526	3/4	170,856	1	181,102	1/4	191,380	1/2	201,722
1/4	109,308	1/2	119,598	3/4	129,887	1	140,177	1/4	150,466	1/2	160,740	3/4	171,070	1	181,316	1/4	191,594	1/2	201,936
1/4	109,522	1/2	119,812	3/4	130,102	1	140,391	1/4	150,681	1/2	160,954	3/4	171,284	1	181,530	1/4	191,808	1/2	202,150
1/4	109,737	1/2	120,026	3/4	130,316	1	140,606	1/4	150,895	1/2	161,168	3/4	171,498	1	181,744	1/4	192,022	1/2	202,364
1/4	109,951	1/2	120,241	3/4	130,530	1	140,820	1/4	151,108	1/2	161,382	3/4	171,712	1	181,958	1/4	192,236	1/2	202,578
1/4	110,165	1/2	120,455	3/4	130,745	1	141,034	1/4	151,322	1/2	161,596	3/4	171,926	1	182,172	1/4	192,450	1/2	202,792
1/4	110,380	1/2	120,669	3/4	130,959	1	141,249	1/4	151,536	1/2	161,810	3/4	172,140	1	182,386	1/4	192,664	1/2	203,006
1/4	110,594	1/2	120,884	3/4	131,173	1	141,463	1/4	151,747	1/2	162,024	3/4	172,354	1	182,600	1/4	192,878	1/2	203,220
1/4	110,809	1/2	121,098	3/4	131,388	1	141,677	1/4	151,958	1/2	162,238	3/4	172,568	1	182,814	1/4	193,092	1/2	203,434
1/4	111,023	1/2	121,313	3/4	131,602	1	141,892	1/4	152,169	1/2	162,452	3/4	172,782	1	183,028	1/4	193,306	1/2	203,648
1/4	111,237	1/2	121,527	3/4	131,817	1	142,106	1/4	152,381	1/2	162,666	3/4	172,996	1	183,242	1/4	193,520	1/2	203,862
1/4	111,452	1/2	121,741	3/4	132,031	1	142,321	1/4	152,599	1/2	162,880	3/4	173,210	1	183,456	1/4	193,734	1/2	204,076
1/4	111,666	1/2	121,956	3/4	132,245	1	142,535	1/4	152,813	1/2	163,094	3/4	173,424	1	183,670	1/4	193,948	1/2	204,290
1/4	111,880	1/2	122,170	3/4	132,460	1	142,749	1/4	152,947	1/2	163,308	3/4	173,638	1	183,884	1/4	194,162	1/2	204,504

GAUGE HEIGHT 16'-01 1/2"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2020 CL
 CALCULATED: 03/24/2020 CL
 PRINTED: 03/24/2020 SW
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 03/2020

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2692
 Pearland, Texas 77568
<http://www.dmaacord.net>



BARGE "IB 1317"

3 CENTER INNAGE TABLE

CAPACITIES QUIN IN WHOLE GALLONS		GAUGE HEIGHT 16'-01"								
IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	74	9,515	19,873	30,207	40,552	50,911	61,269	71,627	81,985	92,343
1/4	139	9,731	20,089	30,424	40,768	51,126	61,485	71,843	82,201	92,559
1/2	203	9,947	20,304	30,638	40,984	51,342	61,700	72,059	82,417	92,775
3/4	288	10,162	20,520	30,851	41,200	51,558	61,916	72,274	82,633	92,991
1	333	10,378	20,736	31,066	41,416	51,774	62,132	72,490	82,848	93,207
1/4	481	10,594	20,952	31,281	41,631	51,990	62,348	72,706	83,064	93,422
1/2	629	10,810	21,168	31,496	41,847	52,205	62,564	72,922	83,280	93,638
3/4	777	11,026	21,383	31,711	42,063	52,421	62,779	73,138	83,496	93,854
2	925	11,241	21,599	31,925	42,279	52,637	62,995	73,353	83,712	94,070
1/4	1,132	11,457	21,815	32,141	42,495	52,853	63,211	73,569	83,927	94,286
1/2	1,338	11,673	22,031	32,356	42,710	53,069	63,427	73,785	84,143	94,501
3/4	1,544	11,889	22,247	32,571	42,926	53,284	63,643	74,001	84,359	94,717
3	1,751	12,105	22,462	32,786	43,142	53,500	63,858	74,217	84,575	94,933
1/4	1,966	12,320	22,678	33,001	43,358	53,716	64,074	74,432	84,791	95,149
1/2	2,181	12,536	22,894	33,216	43,574	53,932	64,290	74,648	85,006	95,365
3/4	2,396	12,752	23,110	33,432	43,789	54,148	64,506	74,864	85,222	95,580
4	2,611	12,968	23,325	33,647	44,005	54,363	64,722	75,080	85,438	95,796
1/4	2,826	13,183	23,541	33,863	44,221	54,579	64,937	75,296	85,654	96,012
1/2	3,042	13,399	23,757	34,079	44,437	54,795	65,153	75,511	85,870	96,228
3/4	3,257	13,615	23,973	34,294	44,653	55,011	65,369	75,727	86,085	96,444
5	3,473	13,831	24,189	34,510	44,868	55,227	65,585	75,943	86,301	96,659
1/4	3,689	14,047	24,404	34,726	45,084	55,442	65,801	76,159	86,517	96,875
1/2	3,905	14,262	24,620	34,942	45,300	55,658	66,016	76,375	86,733	97,091
3/4	4,120	14,478	24,835	35,157	45,516	55,874	66,232	76,590	86,949	97,307
6	4,336	14,694	25,051	35,373	45,732	56,090	66,448	76,806	87,164	97,523
1/4	4,552	14,910	25,266	35,589	45,947	56,306	66,664	77,022	87,380	97,738
1/2	4,768	15,126	25,480	35,805	46,163	56,521	66,880	77,238	87,596	97,954
3/4	4,984	15,341	25,695	36,021	46,379	56,737	67,095	77,454	87,812	98,170
7	5,199	15,557	25,910	36,236	46,595	56,953	67,311	77,669	88,028	98,386
1/4	5,415	15,773	26,125	36,452	46,810	57,169	67,527	77,885	88,243	98,602
1/2	5,631	15,988	26,340	36,668	47,026	57,385	67,743	78,101	88,459	98,817
3/4	5,847	16,205	26,555	36,884	47,242	57,600	67,959	78,317	88,675	99,033
8	6,063	16,420	26,769	37,100	47,458	57,816	68,174	78,533	88,891	99,249
1/4	6,278	16,636	26,984	37,315	47,674	58,032	68,390	78,748	89,107	99,465
1/2	6,494	16,852	27,199	37,531	47,889	58,248	68,606	78,964	89,322	99,681
3/4	6,710	17,068	27,414	37,747	48,105	58,463	68,822	79,180	89,538	99,896
9	6,926	17,283	27,629	37,963	48,321	58,679	69,038	79,396	89,754	100,112
1/4	7,141	17,499	27,844	38,179	48,537	58,895	69,253	79,612	89,970	100,328
1/2	7,357	17,715	28,058	38,394	48,753	59,111	69,469	79,827	90,186	100,544
3/4	7,573	17,931	28,273	38,610	48,968	59,327	69,685	80,043	90,401	100,760
10	7,789	18,147	28,488	38,826	49,184	59,542	69,901	80,259	90,617	100,975
1/4	8,005	18,362	28,703	39,042	49,400	59,758	70,116	80,475	90,833	101,191
1/2	8,220	18,578	28,918	39,258	49,616	59,974	70,332	80,690	91,049	101,407
3/4	8,436	18,794	29,132	39,473	49,832	60,190	70,548	80,906	91,265	101,623
11	8,652	19,010	29,347	39,689	50,047	60,406	70,764	81,122	91,480	101,839
1/4	8,868	19,226	29,562	39,905	50,263	60,621	70,980	81,338	91,696	102,054
1/2	9,084	19,441	29,777	40,121	50,479	60,837	71,195	81,554	91,912	102,270
3/4	9,299	19,657	29,992	40,337	50,695	61,053	71,411	81,769	92,128	102,486

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IAPWS 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 24'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77586
http://www.pmacorp.net



BARGE "B 1317"

**3 CENTER
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01"

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
1/4	102,702	1/4	113,060	1/4	123,418	1/4	133,776	1/4	144,135	1/4	154,493	1/4	164,851	1/4	175,209	1/4	185,567	1/4	195,925
1/2	103,133	1/2	113,492	1/2	123,850	1/2	134,208	1/2	144,566	1/2	154,924	1/2	165,282	1/2	175,640	1/2	185,998	1/2	196,356
3/4	103,565	3/4	113,923	3/4	124,281	3/4	134,640	3/4	144,998	3/4	155,356	3/4	165,714	3/4	176,072	3/4	186,430	3/4	196,788
1	103,781	1	114,139	1	124,497	1	134,855	1	145,214	1	155,572	1	165,930	1	176,288	1	186,646	1	197,004
1 1/4	103,996	1 1/4	114,355	1 1/4	124,713	1 1/4	135,071	1 1/4	145,429	1 1/4	155,787	1 1/4	166,145	1 1/4	176,503	1 1/4	186,861	1 1/4	197,219
1 1/2	104,212	1 1/2	114,570	1 1/2	125,028	1 1/2	135,387	1 1/2	145,745	1 1/2	156,103	1 1/2	166,461	1 1/2	176,819	1 1/2	187,177	1 1/2	197,535
2	104,428	2	114,786	2	125,445	2	135,803	2	146,161	2	156,519	2	166,877	2	177,235	2	187,593	2	197,951
1/4	104,644	1/4	115,002	1/4	125,360	1/4	135,719	1/4	146,077	1/4	156,435	1/4	166,793	1/4	177,151	1/4	187,509	1/4	197,867
1/2	104,860	1/2	115,218	1/2	125,572	1/2	135,934	1/2	146,293	1/2	156,651	1/2	167,009	1/2	177,367	1/2	187,725	1/2	198,083
3/4	105,075	3/4	115,434	3/4	125,792	3/4	136,150	3/4	146,508	3/4	156,866	3/4	167,224	3/4	177,582	3/4	187,940	3/4	198,298
1	105,291	1	115,649	1	126,008	1	136,366	1	146,724	1	157,082	1	167,440	1	177,798	1	188,156	1	198,514
1 1/4	105,507	1 1/4	115,865	1 1/4	126,223	1 1/4	136,582	1 1/4	146,940	1 1/4	157,298	1 1/4	167,656	1 1/4	178,014	1 1/4	188,372	1 1/4	198,730
1 1/2	105,723	1 1/2	116,081	1 1/2	126,439	1 1/2	136,798	1 1/2	147,156	1 1/2	157,514	1 1/2	167,872	1 1/2	178,230	1 1/2	188,588	1 1/2	198,946
2	105,939	2	116,297	2	126,655	2	137,013	2	147,372	2	157,730	2	168,088	2	178,446	2	188,804	2	199,162
1/4	106,154	1/4	116,513	1/4	126,871	1/4	137,229	1/4	147,587	1/4	157,945	1/4	168,303	1/4	178,661	1/4	189,019	1/4	199,377
1/2	106,370	1/2	116,728	1/2	127,087	1/2	137,445	1/2	147,803	1/2	158,161	1/2	168,519	1/2	178,877	1/2	189,235	1/2	199,593
3/4	106,586	3/4	116,944	3/4	127,302	3/4	137,661	3/4	148,019	3/4	158,377	3/4	168,735	3/4	179,093	3/4	189,451	3/4	199,809
1	106,802	1	117,160	1	127,518	1	137,876	1	148,235	1	158,593	1	168,951	1	179,309	1	189,667	1	200,025
1 1/4	107,018	1 1/4	117,376	1 1/4	127,734	1 1/4	138,092	1 1/4	148,451	1 1/4	158,809	1 1/4	169,167	1 1/4	179,525	1 1/4	189,883	1 1/4	200,241
1 1/2	107,233	1 1/2	117,592	1 1/2	127,950	1 1/2	138,308	1 1/2	148,666	1 1/2	159,024	1 1/2	169,382	1 1/2	179,740	1 1/2	190,098	1 1/2	200,457
2	107,449	2	117,807	2	128,166	2	138,524	2	148,882	2	159,240	2	169,598	2	179,956	2	190,314	2	200,673
3/4	107,665	3/4	118,023	3/4	128,381	3/4	138,740	3/4	149,098	3/4	159,456	3/4	169,814	3/4	180,172	3/4	190,530	3/4	200,890
1	107,881	1	118,239	1	128,597	1	138,955	1	149,314	1	159,672	1	170,030	1	180,388	1	190,746	1	201,104
1 1/4	108,097	1 1/4	118,455	1 1/4	128,813	1 1/4	139,171	1 1/4	149,529	1 1/4	159,887	1 1/4	170,245	1 1/4	180,603	1 1/4	190,961	1 1/4	201,320
1 1/2	108,312	1 1/2	118,671	1 1/2	129,029	1 1/2	139,387	1 1/2	149,745	1 1/2	160,103	1 1/2	170,461	1 1/2	180,819	1 1/2	191,177	1 1/2	201,538
2	108,528	2	118,886	2	129,245	2	139,603	2	149,961	2	160,320	2	170,678	2	181,036	2	191,394	2	201,756
3/4	108,744	3/4	119,102	3/4	129,460	3/4	139,819	3/4	150,177	3/4	160,535	3/4	170,893	3/4	181,251	3/4	191,609	3/4	202,017
1	108,960	1	119,318	1	129,676	1	140,034	1	150,393	1	160,752	1	171,110	1	181,468	1	191,826	1	202,185
1 1/4	109,176	1 1/4	119,534	1 1/4	129,892	1 1/4	140,250	1 1/4	150,608	1 1/4	160,966	1 1/4	171,324	1 1/4	181,682	1 1/4	192,039	1 1/4	202,399
1 1/2	109,391	1 1/2	119,750	1 1/2	130,108	1 1/2	140,466	1 1/2	150,824	1 1/2	161,182	1 1/2	171,540	1 1/2	181,898	1 1/2	192,256	1 1/2	202,615
2	109,607	2	119,965	2	130,324	2	140,682	2	151,040	2	161,398	2	171,756	2	182,114	2	192,472	2	202,831
3/4	109,823	3/4	120,181	3/4	130,539	3/4	140,898	3/4	151,256	3/4	161,614	3/4	171,972	3/4	182,330	3/4	192,688	3/4	203,047
1	110,039	1	120,397	1	130,755	1	141,113	1	151,472	1	161,830	1	172,188	1	182,546	1	192,904	1	203,263
1 1/4	110,255	1 1/4	120,613	1 1/4	130,971	1 1/4	141,329	1 1/4	151,687	1 1/4	162,045	1 1/4	172,403	1 1/4	182,761	1 1/4	193,119	1 1/4	203,480
1 1/2	110,470	1 1/2	120,829	1 1/2	131,187	1 1/2	141,545	1 1/2	151,903	1 1/2	162,261	1 1/2	172,619	1 1/2	182,977	1 1/2	193,336	1 1/2	203,697
2	110,686	2	121,044	2	131,403	2	141,761	2	152,118	2	162,476	2	172,834	2	183,192	2	193,550	2	203,914
3/4	110,902	3/4	121,260	3/4	131,618	3/4	141,977	3/4	152,334	3/4	162,692	3/4	173,050	3/4	183,408	3/4	193,766	3/4	204,130
1	111,118	1	121,476	1	131,834	1	142,192	1	152,549	1	162,907	1	173,265	1	183,623	1	193,981	1	204,346
1 1/4	111,334	1 1/4	121,692	1 1/4	132,050	1 1/4	142,408	1 1/4	152,764	1 1/4	163,122	1 1/4	173,480	1 1/4	183,838	1 1/4	194,196	1 1/4	204,562
1 1/2	111,549	1 1/2	121,908	1 1/2	132,266	1 1/2	142,624	1 1/2	152,977	1 1/2	163,335	1 1/2	173,693	1 1/2	184,051	1 1/2	194,412	1 1/2	204,778
2	111,765	2	122,123	2	132,482	2	142,840	2	153,189	2	163,544	2	173,898	2	184,256	2	194,618	2	204,994
3/4	111,981	3/4	122,339	3/4	132,697	3/4	143,056	3/4	153,402	3/4	163,750	3/4	174,104	3/4	184,458	3/4	194,812	3/4	205,210
1	112,197	1	122,555	1	132,913	1	143,271	1	153,614	1	164,067	1	174,419	1	184,772	1	195,075	1	205,426
1 1/4	112,413	1 1/4	122,771	1 1/4	133,129	1 1/4	143,487	1 1/4	153,804	1 1/4	164,281	1 1/4	174,623	1 1/4	185,125	1 1/4	195,477	1 1/4	205,642
1 1/2	112,628	1 1/2	122,987	1 1/2	133,345	1 1/2	143,703	1 1/2	153,994	1 1/2	164,495	1 1/2	174,837	1 1/2	185,337	1 1/2	195,689	1 1/2	205,858
2	112,844	2	123,202	2	133,561	2	143,919	2	154,185	2	164,707	2	175,049	2	185,551	2	195,903	2	206,074

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/23/2020 CL
 CALCULATED: 03/24/2020 CL
 PRINTED: 03/24/2020 SW
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 03/2020

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
 http://www.pma-inc.net

[Signature]