

Goldberg



BARGE "IB 1321"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
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	00-1/8	- 00-1/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8	01-1/8	- 01-1/8
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 1 CENTER IS - 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 163'-03"

April 7, 2020

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

<http://www.pmacorp.net>



BARGE "1B 1321"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS		GAUGE HEIGHT 16'-02"																	
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	231	0	11,122	0	23,062	0	34,789	0	46,579	0	58,497	0	70,415	0	82,295	0	94,217	0	106,140
1/4	305	1/4	11,371	1/4	23,310	1/4	35,029	1/4	46,828	1/4	58,746	1/4	70,663	1/4	82,543	1/4	94,466	1/4	106,388
1/2	380	1/2	11,620	1/2	23,559	1/2	35,269	1/2	47,076	1/2	58,994	1/2	70,912	1/2	82,792	1/2	94,714	1/2	106,637
3/4	455	3/4	11,869	3/4	23,807	3/4	35,508	3/4	47,324	3/4	59,242	3/4	71,160	3/4	83,040	3/4	94,963	3/4	106,885
1	529	1	12,118	1	24,056	1	35,748	1	47,573	1	59,490	1	71,408	1	83,288	1	95,211	1	107,134
1/4	700	1/4	12,367	1/4	24,304	1/4	35,988	1/4	47,821	1/4	59,739	1/4	71,656	1/4	83,537	1/4	95,459	1/4	107,382
1/2	871	1/2	12,616	1/2	24,553	1/2	36,228	1/2	48,069	1/2	59,987	1/2	71,904	1/2	83,785	1/2	95,708	1/2	107,630
3/4	1,042	3/4	12,865	3/4	24,801	3/4	36,467	3/4	48,317	3/4	60,235	3/4	72,152	3/4	84,034	3/4	95,956	3/4	107,879
2	1,212	2	13,114	2	25,050	2	36,707	2	48,566	2	60,484	2	72,401	2	84,282	2	96,205	2	108,127
1/4	1,451	1/4	13,363	1/4	25,298	1/4	36,947	1/4	48,814	1/4	60,732	1/4	72,648	1/4	84,530	1/4	96,453	1/4	108,376
1/2	1,689	1/2	13,611	1/2	25,546	1/2	37,187	1/2	49,062	1/2	60,980	1/2	72,895	1/2	84,779	1/2	96,701	1/2	108,624
3/4	1,927	3/4	13,860	3/4	25,795	3/4	37,427	3/4	49,311	3/4	61,228	3/4	73,143	3/4	85,027	3/4	96,950	3/4	108,872
3	2,165	3	14,109	3	26,043	3	37,666	3	49,559	3	61,477	3	73,390	3	85,275	3	97,198	3	109,121
1/4	2,413	1/4	14,358	1/4	26,292	1/4	37,908	1/4	49,807	1/4	61,725	1/4	73,637	1/4	85,524	1/4	97,446	1/4	109,369
1/2	2,661	1/2	14,607	1/2	26,540	1/2	38,150	1/2	50,055	1/2	61,973	1/2	73,885	1/2	85,772	1/2	97,695	1/2	109,617
3/4	2,909	3/4	14,856	3/4	26,789	3/4	38,392	3/4	50,304	3/4	62,222	3/4	74,132	3/4	86,021	3/4	97,943	3/4	109,866
4	3,157	4	15,105	4	27,037	4	38,634	4	50,552	4	62,470	4	74,379	4	86,269	4	98,192	4	110,114
1/4	3,406	1/4	15,354	1/4	27,286	1/4	38,883	1/4	50,800	1/4	62,718	1/4	74,627	1/4	86,517	1/4	98,440	1/4	110,363
1/2	3,654	1/2	15,602	1/2	27,534	1/2	39,131	1/2	51,049	1/2	62,966	1/2	74,874	1/2	86,766	1/2	98,688	1/2	110,611
3/4	3,903	3/4	15,851	3/4	27,782	3/4	39,379	3/4	51,297	3/4	63,215	3/4	75,121	3/4	87,014	3/4	98,937	3/4	110,859
5	4,152	5	16,100	5	28,031	5	39,627	5	51,545	5	63,463	5	75,368	5	87,263	5	99,185	5	111,108
1/4	4,401	1/4	16,349	1/4	28,278	1/4	39,876	1/4	51,794	1/4	63,711	1/4	75,614	1/4	87,511	1/4	99,434	1/4	111,356
1/2	4,650	1/2	16,598	1/2	28,524	1/2	40,124	1/2	52,042	1/2	63,960	1/2	75,863	1/2	87,759	1/2	99,682	1/2	111,605
3/4	4,899	3/4	16,847	3/4	28,771	3/4	40,371	3/4	52,290	3/4	64,208	3/4	76,110	3/4	88,008	3/4	99,930	3/4	111,853
6	5,148	6	17,096	6	29,018	6	40,621	6	52,538	6	64,456	6	76,358	6	88,256	6	100,179	6	112,101
1/4	5,397	1/4	17,345	1/4	29,260	1/4	40,869	1/4	52,787	1/4	64,705	1/4	76,605	1/4	88,505	1/4	100,427	1/4	112,350
1/2	5,646	1/2	17,594	1/2	29,502	1/2	41,117	1/2	53,035	1/2	64,953	1/2	76,852	1/2	88,753	1/2	100,676	1/2	112,598
3/4	5,894	3/4	17,843	3/4	29,744	3/4	41,365	3/4	53,283	3/4	65,201	3/4	77,100	3/4	89,001	3/4	100,924	3/4	112,846
7	6,143	7	18,092	7	29,986	7	41,614	7	53,532	7	65,449	7	77,347	7	89,250	7	101,172	7	113,095
1/4	6,392	1/4	18,341	1/4	30,227	1/4	41,862	1/4	53,780	1/4	65,698	1/4	77,594	1/4	89,498	1/4	101,421	1/4	113,343
1/2	6,641	1/2	18,589	1/2	30,469	1/2	42,110	1/2	54,028	1/2	65,946	1/2	77,842	1/2	89,746	1/2	101,669	1/2	113,592
3/4	6,890	3/4	18,838	3/4	30,710	3/4	42,359	3/4	54,276	3/4	66,194	3/4	78,089	3/4	89,995	3/4	101,917	3/4	113,840
8	7,139	8	19,087	8	30,952	8	42,607	8	54,525	8	66,443	8	78,336	8	90,243	8	102,166	8	114,088
1/4	7,388	1/4	19,335	1/4	31,191	1/4	42,855	1/4	54,773	1/4	66,691	1/4	78,584	1/4	90,492	1/4	102,414	1/4	114,337
1/2	7,637	1/2	19,584	1/2	31,431	1/2	43,103	1/2	55,021	1/2	66,939	1/2	78,831	1/2	90,740	1/2	102,663	1/2	114,585
3/4	7,886	3/4	19,832	3/4	31,671	3/4	43,352	3/4	55,270	3/4	67,187	3/4	79,078	3/4	90,988	3/4	102,911	3/4	114,834
9	8,135	9	20,081	9	31,911	9	43,600	9	55,518	9	67,436	9	79,326	9	91,237	9	103,159	9	115,082
1/4	8,384	1/4	20,329	1/4	32,151	1/4	43,848	1/4	55,766	1/4	67,684	1/4	79,573	1/4	91,485	1/4	103,408	1/4	115,330
1/2	8,633	1/2	20,578	1/2	32,391	1/2	44,097	1/2	56,014	1/2	67,932	1/2	79,820	1/2	91,734	1/2	103,656	1/2	115,579
3/4	8,882	3/4	20,826	3/4	32,630	3/4	44,345	3/4	56,263	3/4	68,181	3/4	80,068	3/4	91,982	3/4	103,905	3/4	115,827
10	9,131	10	21,074	10	32,870	10	44,593	10	56,511	10	68,429	10	80,315	10	92,230	10	104,153	10	116,075
1/4	9,380	1/4	21,323	1/4	33,110	1/4	44,841	1/4	56,759	1/4	68,677	1/4	80,562	1/4	92,479	1/4	104,401	1/4	116,323
1/2	9,629	1/2	21,571	1/2	33,350	1/2	45,090	1/2	57,008	1/2	68,925	1/2	80,810	1/2	92,727	1/2	104,650	1/2	116,571
3/4	9,877	3/4	21,820	3/4	33,590	3/4	45,338	3/4	57,256	3/4	69,174	3/4	81,057	3/4	92,976	3/4	104,898	3/4	116,819
11	10,126	11	22,068	11	33,829	11	45,586	11	57,504	11	69,422	11	81,304	11	93,224	11	105,146	11	117,067
1/4	10,375	1/4	22,317	1/4	34,069	1/4	45,835	1/4	57,752	1/4	69,670	1/4	81,552	1/4	93,472	1/4	105,395	1/4	117,315
1/2	10,624	1/2	22,565	1/2	34,309	1/2	46,083	1/2	58,001	1/2	69,919	1/2	81,800	1/2	93,721	1/2	105,643	1/2	117,563
3/4	10,873	3/4	22,814	3/4	34,549	3/4	46,331	3/4	58,249	3/4	70,167	3/4	82,047	3/4	93,969	3/4	105,892	3/4	117,811

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IAPIS 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.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "IB 1321"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	118,059	0	129,145	0	139,343	0	149,541	0	159,739	0	169,937	0	170,135	0	170,333	0	170,531	0	170,729
1/2	118,307	1/4	129,398	1/2	139,596	3/4	149,794	1/2	159,992	1/4	170,190	1/2	170,388	3/4	170,586	1/2	170,784	3/4	170,982
1	118,804	3/4	129,783	1	139,981	1/2	150,179	1/4	160,377	1/2	170,575	3/4	170,773	1	170,971	1/2	171,169	3/4	171,367
1 1/2	119,052	1	130,207	1/2	140,405	3/4	150,603	1	160,801	1/2	171,000	3/4	171,198	1	171,396	1/2	171,594	3/4	171,792
2	119,548	1 1/2	130,420	1	140,618	1/2	150,816	3/4	161,014	1	171,212	1/2	171,410	3/4	171,608	1	171,806	1/2	172,004
3	119,796	3/4	130,632	3/4	140,830	1	151,028	1/2	161,226	3/4	171,426	1	171,624	1/2	171,822	3/4	172,020	1	172,218
4	120,044	2	130,845	2	141,043	1	151,241	3/4	161,439	1	171,633	1/2	171,831	3/4	172,029	1	172,227	1/2	172,425
5	120,292	1/4	131,057	1/4	141,255	1/4	151,453	1/4	161,651	1/4	171,849	1/4	172,047	1/4	172,245	1/4	172,443	1/4	172,641
6	120,540	1/2	131,270	1/2	141,468	1/2	151,666	1/2	161,864	1/2	172,061	1/2	172,259	1/2	172,457	1/2	172,655	1/2	172,853
7	120,788	3/4	131,482	3/4	141,680	3/4	151,878	3/4	162,076	3/4	172,273	3/4	172,471	3/4	172,669	3/4	172,867	3/4	173,065
8	121,036	1	131,695	1	141,893	1	152,091	1	162,289	1	172,481	1	172,679	1	172,877	1	173,075	1	173,273
9	121,284	1 1/4	131,907	1 1/4	142,105	1 1/4	152,303	1 1/4	162,501	1 1/4	172,699	1 1/4	172,897	1 1/4	173,095	1 1/4	173,293	1 1/4	173,491
10	121,532	1 1/2	132,120	1 1/2	142,318	1 1/2	152,516	1 1/2	162,714	1 1/2	172,913	1 1/2	173,111	1 1/2	173,309	1 1/2	173,507	1 1/2	173,705
11	121,780	3/4	132,332	3/4	142,530	3/4	152,728	3/4	162,926	3/4	173,121	3/4	173,319	3/4	173,517	3/4	173,715	3/4	173,913
12	122,028	4	132,545	4	142,743	4	152,941	4	163,139	4	173,319	4	173,517	4	173,715	4	173,913	4	174,111
13	122,276	1/4	132,757	1/4	142,955	1/4	153,153	1/4	163,351	1/4	173,517	1/4	173,715	1/4	173,913	1/4	174,111	1/4	174,309
14	122,524	1/2	132,969	1/2	143,167	1/2	153,365	1/2	163,563	1/2	173,715	1/2	173,913	1/2	174,111	1/2	174,309	1/2	174,507
15	122,772	3/4	133,182	3/4	143,380	3/4	153,578	3/4	163,776	3/4	173,913	3/4	174,111	3/4	174,309	3/4	174,507	3/4	174,705
16	123,020	1	133,394	1	143,592	1	153,790	1	163,988	1	174,111	1	174,309	1	174,507	1	174,705	1	174,903
17	123,268	1 1/4	133,607	1 1/4	143,805	1 1/4	154,003	1 1/4	164,201	1 1/4	174,309	1 1/4	174,507	1 1/4	174,705	1 1/4	174,903	1 1/4	175,101
18	123,516	1 1/2	133,819	1 1/2	144,017	1 1/2	154,215	1 1/2	164,413	1 1/2	174,507	1 1/2	174,705	1 1/2	174,903	1 1/2	175,101	1 1/2	175,299
19	123,764	3/4	134,032	3/4	144,230	3/4	154,428	3/4	164,626	3/4	174,705	3/4	174,903	3/4	175,101	3/4	175,299	3/4	175,497
20	123,994	1	134,244	1	144,442	1	154,640	1	164,838	1	174,903	1	175,101	1	175,299	1	175,497	1	175,695
21	124,220	1 1/4	134,457	1 1/4	144,655	1 1/4	154,853	1 1/4	165,051	1 1/4	175,101	1 1/4	175,299	1 1/4	175,497	1 1/4	175,695	1 1/4	175,893
22	124,445	1 1/2	134,669	1 1/2	144,867	1 1/2	155,065	1 1/2	165,278	1 1/2	175,299	1 1/2	175,497	1 1/2	175,695	1 1/2	175,893	1 1/2	176,091
23	124,671	3/4	134,882	3/4	145,080	3/4	155,278	3/4	165,476	3/4	175,497	3/4	175,695	3/4	175,893	3/4	176,091	3/4	176,289
24	124,896	1	135,094	1	145,292	1	155,490	1	165,688	1	175,695	1	175,893	1	176,091	1	176,289	1	176,487
25	125,108	1 1/4	135,306	1 1/4	145,504	1 1/4	155,702	1 1/4	165,900	1 1/4	175,893	1 1/4	176,091	1 1/4	176,289	1 1/4	176,487	1 1/4	176,685
26	125,321	1 1/2	135,519	1 1/2	145,717	1 1/2	155,915	1 1/2	166,113	1 1/2	176,091	1 1/2	176,289	1 1/2	176,487	1 1/2	176,685	1 1/2	176,883
27	125,533	3/4	135,731	3/4	145,929	3/4	156,127	3/4	166,325	3/4	176,289	3/4	176,487	3/4	176,685	3/4	176,883	3/4	177,081
28	125,746	1	135,944	1	146,142	1	156,340	1	166,538	1	176,487	1	176,685	1	176,883	1	177,081	1	177,279
29	125,958	1 1/4	136,156	1 1/4	146,354	1 1/4	156,552	1 1/4	166,750	1 1/4	176,685	1 1/4	176,883	1 1/4	177,081	1 1/4	177,279	1 1/4	177,477
30	126,171	1 1/2	136,369	1 1/2	146,567	1 1/2	156,765	1 1/2	166,963	1 1/2	176,883	1 1/2	177,081	1 1/2	177,279	1 1/2	177,477	1 1/2	177,675
31	126,383	3/4	136,581	3/4	146,779	3/4	156,977	3/4	167,175	3/4	177,081	3/4	177,279	3/4	177,477	3/4	177,675	3/4	177,873
32	126,596	1	136,794	1	146,992	1	157,190	1	167,387	1	177,279	1	177,477	1	177,675	1	177,873	1	178,071
33	126,808	1 1/4	137,006	1 1/4	147,204	1 1/4	157,402	1 1/4	167,599	1 1/4	177,477	1 1/4	177,675	1 1/4	177,873	1 1/4	178,071	1 1/4	178,269
34	127,021	1 1/2	137,219	1 1/2	147,417	1 1/2	157,615	1 1/2	167,811	1 1/2	177,675	1 1/2	177,873	1 1/2	178,071	1 1/2	178,269	1 1/2	178,467
35	127,233	3/4	137,431	3/4	147,629	3/4	157,827	3/4	168,023	3/4	177,873	3/4	178,071	3/4	178,269	3/4	178,467	3/4	178,665
36	127,446	1	137,644	1	147,842	1	158,040	1	168,235	1	178,071	1	178,269	1	178,467	1	178,665	1	178,863
37	127,658	1 1/4	137,856	1 1/4	148,054	1 1/4	158,252	1 1/4	168,448	1 1/4	178,269	1 1/4	178,467	1 1/4	178,665	1 1/4	178,863	1 1/4	179,061
38	127,870	1 1/2	138,068	1 1/2	148,266	1 1/2	158,464	1 1/2	168,662	1 1/2	178,467	1 1/2	178,665	1 1/2	178,863	1 1/2	179,061	1 1/2	179,259
39	128,083	3/4	138,281	3/4	148,479	3/4	158,677	3/4	168,875	3/4	178,665	3/4	178,863	3/4	179,061	3/4	179,259	3/4	179,457
40	128,295	1	138,493	1	148,691	1	158,889	1	169,088	1	178,863	1	179,061	1	179,259	1	179,457	1	179,655
41	128,508	1 1/4	138,706	1 1/4	148,904	1 1/4	159,102	1 1/4	169,293	1 1/4	179,061	1 1/4	179,259	1 1/4	179,457	1 1/4	179,655	1 1/4	179,853
42	128,720	1 1/2	138,918	1 1/2	149,116	1 1/2	159,314	1 1/2	169,499	1 1/2	179,259	1 1/2	179,457	1 1/2	179,655	1 1/2	179,853	1 1/2	180,051
43	128,933	3/4	139,131	3/4	149,329	3/4	159,527	3/4	169,705	3/4	179,457	3/4	179,655	3/4	179,853	3/4	180,051	3/4	180,249

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/07/2020 CL
CALCULATED: 04/08/2020 CL
PRINTED: 04/08/2020 SW

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2082

Portland, Texas 77588

http://www.pma.com.net

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2020



BARGE "IB 1321"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS		GAUGE HEIGHT 16'-02"																	
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	74	0	9,462	0	19,761	0	29,901	0	40,107	0	50,406	0	60,706	0	71,006	0	81,306	0	91,605
1/4	138	1/4	9,676	1/4	19,976	1/4	30,109	1/4	40,321	1/4	50,521	1/4	60,921	1/4	71,220	1/4	81,520	1/4	91,820
1/2	267	1/2	9,891	1/2	20,195	1/2	30,318	1/2	40,536	1/2	50,836	1/2	61,135	1/2	71,435	1/2	81,735	1/2	92,035
3/4	401	3/4	10,105	3/4	20,405	3/4	30,526	3/4	40,750	3/4	51,050	3/4	61,350	3/4	71,650	3/4	81,949	3/4	92,249
1	531	1	10,320	1	20,619	1	30,734	1	40,965	1	51,265	1	61,564	1	71,864	1	82,164	1	92,464
1/4	678	1/4	10,535	1/4	20,834	1/4	30,942	1/4	41,180	1/4	51,479	1/4	61,779	1/4	72,079	1/4	82,379	1/4	92,678
1/2	826	1/2	10,749	1/2	21,048	1/2	31,151	1/2	41,394	1/2	51,694	1/2	61,994	1/2	72,293	1/2	82,593	1/2	92,893
3/4	973	3/4	10,964	3/4	21,263	3/4	31,359	3/4	41,609	3/4	51,908	3/4	62,208	3/4	72,508	3/4	82,808	3/4	93,107
1	1,120	1	11,178	1	21,478	1	31,567	1	41,823	1	52,123	1	62,423	1	72,723	1	83,022	1	93,322
1/4	1,265	1/4	11,393	1/4	21,692	1/4	31,776	1/4	42,038	1/4	52,338	1/4	62,637	1/4	72,937	1/4	83,237	1/4	93,537
1/2	1,431	1/2	11,607	1/2	21,907	1/2	31,984	1/2	42,252	1/2	52,552	1/2	62,852	1/2	73,152	1/2	83,451	1/2	93,751
3/4	1,536	3/4	11,822	3/4	22,121	3/4	32,192	3/4	42,467	3/4	52,767	3/4	63,067	3/4	73,366	3/4	83,666	3/4	93,966
1	1,741	1	12,036	1	22,336	1	32,401	1	42,682	1	52,981	1	63,281	1	73,581	1	83,881	1	94,180
1/4	1,955	1/4	12,251	1/4	22,550	1/4	32,610	1/4	42,896	1/4	53,196	1/4	63,486	1/4	73,795	1/4	84,085	1/4	94,395
1/2	2,169	1/2	12,466	1/2	22,765	1/2	32,820	1/2	43,111	1/2	53,410	1/2	63,710	1/2	74,010	1/2	84,310	1/2	94,610
3/4	2,382	3/4	12,680	3/4	22,980	3/4	33,030	3/4	43,325	3/4	53,625	3/4	63,925	3/4	74,225	3/4	84,524	3/4	94,824
1	2,596	1	12,895	1	23,194	1	33,240	1	43,540	1	53,840	1	64,139	1	74,439	1	84,739	1	95,039
1/4	2,811	1/4	13,109	1/4	23,409	1/4	33,455	1/4	43,754	1/4	54,054	1/4	64,354	1/4	74,654	1/4	84,954	1/4	95,253
1/2	3,025	1/2	13,324	1/2	23,623	1/2	33,669	1/2	43,969	1/2	54,269	1/2	64,569	1/2	74,868	1/2	85,168	1/2	95,468
3/4	3,239	3/4	13,538	3/4	23,838	3/4	33,884	3/4	44,184	3/4	54,483	3/4	64,783	3/4	75,083	3/4	85,383	3/4	95,682
1	3,454	1	13,753	1	24,052	1	34,098	1	44,398	1	54,698	1	64,998	1	75,297	1	85,597	1	95,897
1/4	3,668	1/4	13,968	1/4	24,265	1/4	34,313	1/4	44,613	1/4	54,913	1/4	65,212	1/4	75,512	1/4	85,812	1/4	96,112
1/2	3,883	1/2	14,182	1/2	24,478	1/2	34,528	1/2	44,827	1/2	55,127	1/2	65,427	1/2	75,727	1/2	86,026	1/2	96,326
3/4	4,097	3/4	14,397	3/4	24,694	3/4	34,742	3/4	45,042	3/4	55,342	3/4	65,641	3/4	75,941	3/4	86,241	3/4	96,541
1	4,312	1	14,611	1	24,904	1	34,957	1	45,257	1	55,556	1	65,856	1	76,156	1	86,456	1	96,756
1/4	4,527	1/4	14,826	1/4	25,112	1/4	35,171	1/4	45,471	1/4	55,771	1/4	66,071	1/4	76,370	1/4	86,670	1/4	96,970
1/2	4,741	1/2	15,040	1/2	25,320	1/2	35,386	1/2	45,686	1/2	55,985	1/2	66,285	1/2	76,585	1/2	86,885	1/2	97,184
3/4	4,956	3/4	15,255	3/4	25,528	3/4	35,600	3/4	45,900	3/4	56,200	3/4	66,500	3/4	76,800	3/4	87,099	3/4	97,399
1	5,170	1	15,470	1	25,736	1	35,815	1	46,115	1	56,415	1	66,714	1	77,014	1	87,314	1	97,614
1/4	5,385	1/4	15,684	1/4	25,944	1/4	36,030	1/4	46,329	1/4	56,629	1/4	66,929	1/4	77,229	1/4	87,528	1/4	97,828
1/2	5,599	1/2	15,898	1/2	26,152	1/2	36,244	1/2	46,544	1/2	56,844	1/2	67,144	1/2	77,443	1/2	87,743	1/2	98,043
3/4	5,814	3/4	16,113	3/4	26,361	3/4	36,459	3/4	46,759	3/4	57,058	3/4	67,358	3/4	77,658	3/4	87,958	3/4	98,257
1	6,029	1	16,328	1	26,569	1	36,673	1	46,973	1	57,273	1	67,573	1	77,872	1	88,172	1	98,472
1/4	6,243	1/4	16,542	1/4	26,777	1/4	36,888	1/4	47,188	1/4	57,487	1/4	67,787	1/4	78,087	1/4	88,387	1/4	98,687
1/2	6,458	1/2	16,757	1/2	26,985	1/2	37,103	1/2	47,402	1/2	57,702	1/2	68,002	1/2	78,302	1/2	88,601	1/2	98,901
3/4	6,672	3/4	16,972	3/4	27,193	3/4	37,317	3/4	47,617	3/4	57,917	3/4	68,216	3/4	78,516	3/4	88,816	3/4	99,116
1	6,887	1	17,186	1	27,402	1	37,532	1	47,831	1	58,131	1	68,431	1	78,731	1	89,030	1	99,330
1/4	7,101	1/4	17,401	1/4	27,610	1/4	37,746	1/4	48,046	1/4	58,346	1/4	68,646	1/4	78,945	1/4	89,245	1/4	99,545
1/2	7,316	1/2	17,615	1/2	27,818	1/2	37,961	1/2	48,261	1/2	58,560	1/2	68,860	1/2	79,160	1/2	89,460	1/2	99,760
3/4	7,531	3/4	17,830	3/4	28,027	3/4	38,175	3/4	48,475	3/4	58,775	3/4	69,075	3/4	79,374	3/4	89,674	3/4	99,974
1	7,745	1	18,044	1	28,235	1	38,390	1	48,690	1	58,990	1	69,289	1	79,589	1	89,889	1	100,189
1/4	7,960	1/4	18,259	1/4	28,443	1/4	38,605	1/4	48,904	1/4	59,204	1/4	69,504	1/4	79,804	1/4	89,103	1/4	100,403
1/2	8,174	1/2	18,474	1/2	28,651	1/2	38,819	1/2	49,119	1/2	59,419	1/2	69,718	1/2	80,018	1/2	90,318	1/2	100,618
3/4	8,389	3/4	18,688	3/4	28,860	3/4	39,034	3/4	49,334	3/4	59,633	3/4	69,933	3/4	80,233	3/4	90,533	3/4	100,832
1	8,603	1	18,903	1	29,068	1	39,248	1	49,548	1	59,848	1	70,148	1	80,447	1	90,747	1	101,047
1/4	8,818	1/4	19,117	1/4	29,276	1/4	39,463	1/4	49,763	1/4	60,062	1/4	70,362	1/4	80,662	1/4	90,962	1/4	101,261
1/2	9,033	1/2	19,332	1/2	29,485	1/2	39,677	1/2	49,977	1/2	60,277	1/2	70,577	1/2	80,877	1/2	91,176	1/2	101,476
3/4	9,247	3/4	19,546	3/4	29,693	3/4	39,892	3/4	50,192	3/4	60,492	3/4	70,791	3/4	81,091	3/4	91,391	3/4	101,691

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 23'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.
PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2052
Pearland, Texas 77588
http://www.pmaacorp.net



BARGE "IB 1321"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-02"

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
1/2	101,905	1/2	112,205	1/2	122,505	1/2	132,804	1/2	143,104	1/2	153,287	1/2	163,470	1/2	173,653	1/2	183,836	1/2	194,019
1/4	102,120	1/4	112,420	1/4	122,719	1/4	133,019	1/4	143,319	1/4	153,412	1/4	163,505	1/4	173,598	1/4	183,691	1/4	193,784
3/4	102,334	3/4	112,634	3/4	122,934	3/4	133,234	3/4	143,533	3/4	153,537	3/4	163,630	3/4	173,723	3/4	183,816	3/4	193,909
1	102,548	1	112,848	1	123,148	1	133,448	1	143,748	1	153,662	1	163,755	1	173,848	1	183,941	1	194,034
1/4	102,764	1/4	113,063	1/4	123,363	1/4	133,663	1/4	143,963	1/4	153,787	1/4	163,880	1/4	173,973	1/4	184,066	1/4	194,159
1/2	102,978	1/2	113,278	1/2	123,578	1/2	133,877	1/2	144,177	1/2	153,903	1/2	164,000	1/2	174,093	1/2	184,186	1/2	194,279
3/4	103,193	3/4	113,492	3/4	123,792	3/4	134,092	3/4	144,392	3/4	153,903	3/4	164,000	3/4	174,093	3/4	184,186	3/4	194,279
1	103,407	1	113,707	1	124,007	1	134,307	1	144,606	1	153,962	1	164,059	1	174,152	1	184,245	1	194,338
1/4	103,622	1/4	113,922	1/4	124,222	1/4	134,521	1/4	144,821	1/4	154,038	1/4	164,135	1/4	174,228	1/4	184,321	1/4	194,414
1/2	103,836	1/2	114,136	1/2	124,436	1/2	134,736	1/2	145,035	1/2	154,250	1/2	164,347	1/2	174,440	1/2	184,533	1/2	194,626
3/4	104,051	3/4	114,351	3/4	124,650	3/4	134,950	3/4	145,250	3/4	154,465	3/4	164,562	3/4	174,655	3/4	184,748	3/4	194,841
1	104,266	1	114,565	1	124,865	1	135,165	1	145,465	1	154,680	1	164,777	1	174,870	1	184,963	1	195,056
1/4	104,480	1/4	114,780	1/4	125,080	1/4	135,379	1/4	145,679	1/4	154,894	1/4	164,991	1/4	175,084	1/4	185,177	1/4	195,270
1/2	104,695	1/2	114,994	1/2	125,294	1/2	135,594	1/2	145,894	1/2	155,109	1/2	165,206	1/2	175,303	1/2	185,396	1/2	195,489
3/4	104,909	3/4	115,209	3/4	125,509	3/4	135,809	3/4	146,108	3/4	155,323	3/4	165,420	3/4	175,517	3/4	185,614	3/4	195,707
1	105,124	1	115,424	1	125,723	1	136,023	1	146,323	1	155,538	1	165,635	1	175,732	1	185,829	1	195,926
1/4	105,338	1/4	115,638	1/4	125,938	1/4	136,238	1/4	146,537	1/4	155,742	1/4	165,839	1/4	175,936	1/4	186,033	1/4	196,130
1/2	105,553	1/2	115,853	1/2	126,153	1/2	136,452	1/2	146,752	1/2	155,956	1/2	166,053	1/2	176,150	1/2	186,247	1/2	196,344
3/4	105,768	3/4	116,067	3/4	126,367	3/4	136,667	3/4	146,967	3/4	156,171	3/4	166,268	3/4	176,365	3/4	186,462	3/4	196,559
1	105,982	1	116,282	1	126,582	1	136,882	1	147,181	1	156,385	1	166,482	1	176,579	1	186,676	1	196,773
1/4	106,197	1/4	116,497	1/4	126,796	1/4	137,096	1/4	147,396	1/4	156,599	1/4	166,696	1/4	176,793	1/4	186,890	1/4	196,987
1/2	106,411	1/2	116,711	1/2	127,011	1/2	137,311	1/2	147,610	1/2	156,813	1/2	166,910	1/2	177,007	1/2	187,104	1/2	197,201
3/4	106,626	3/4	116,926	3/4	127,225	3/4	137,525	3/4	147,825	3/4	157,028	3/4	167,125	3/4	177,222	3/4	187,319	3/4	197,416
1	106,840	1	117,140	1	127,440	1	137,740	1	148,040	1	157,243	1	167,340	1	177,437	1	187,534	1	197,631
1/4	107,055	1/4	117,355	1/4	127,655	1/4	137,954	1/4	148,254	1/4	157,443	1/4	167,540	1/4	177,637	1/4	187,734	1/4	197,831
1/2	107,270	1/2	117,569	1/2	127,869	1/2	138,169	1/2	148,469	1/2	157,662	1/2	167,759	1/2	177,856	1/2	187,953	1/2	198,050
3/4	107,484	3/4	117,784	3/4	128,084	3/4	138,384	3/4	148,684	3/4	157,877	3/4	167,974	3/4	178,071	3/4	188,168	3/4	198,265
1	107,699	1	117,999	1	128,298	1	138,598	1	148,898	1	158,091	1	168,188	1	178,285	1	188,382	1	198,479
1/4	107,913	1/4	118,213	1/4	128,513	1/4	138,813	1/4	149,112	1/4	158,305	1/4	168,402	1/4	178,499	1/4	188,596	1/4	198,693
1/2	108,128	1/2	118,428	1/2	128,727	1/2	139,027	1/2	149,327	1/2	158,520	1/2	168,617	1/2	178,714	1/2	188,811	1/2	198,908
3/4	108,343	3/4	118,642	3/4	128,942	3/4	139,242	3/4	149,542	3/4	158,735	3/4	168,832	3/4	178,929	3/4	189,026	3/4	199,123
1	108,557	1	118,857	1	129,157	1	139,456	1	149,756	1	158,949	1	169,046	1	179,143	1	189,240	1	199,337
1/4	108,772	1/4	119,071	1/4	129,371	1/4	139,671	1/4	149,971	1/4	159,164	1/4	169,261	1/4	179,358	1/4	189,455	1/4	199,552
1/2	108,986	1/2	119,286	1/2	129,586	1/2	139,886	1/2	150,185	1/2	159,378	1/2	169,475	1/2	179,572	1/2	189,669	1/2	199,766
3/4	109,201	3/4	119,501	3/4	129,800	3/4	140,100	3/4	150,400	3/4	159,593	3/4	169,690	3/4	179,787	3/4	189,884	3/4	199,981
1	109,415	1	119,715	1	130,015	1	140,315	1	150,615	1	159,808	1	169,905	1	180,002	1	190,100	1	200,197
1/4	109,630	1/4	119,930	1/4	130,230	1/4	140,529	1/4	150,829	1/4	159,926	1/4	170,023	1/4	180,120	1/4	190,217	1/4	200,314
1/2	109,845	1/2	120,144	1/2	130,444	1/2	140,744	1/2	151,043	1/2	160,140	1/2	170,237	1/2	180,334	1/2	190,431	1/2	200,528
3/4	110,059	3/4	120,359	3/4	130,659	3/4	140,958	3/4	151,257	3/4	160,354	3/4	170,451	3/4	180,548	3/4	190,645	3/4	200,742
1	110,274	1	120,574	1	130,873	1	141,173	1	151,472	1	160,569	1	170,666	1	180,763	1	190,860	1	200,939
1/4	110,488	1/4	120,788	1/4	131,088	1/4	141,388	1/4	151,688	1/4	160,785	1/4	170,882	1/4	180,979	1/4	191,076	1/4	201,173
1/2	110,703	1/2	121,003	1/2	131,302	1/2	141,602	1/2	151,902	1/2	161,000	1/2	171,097	1/2	181,194	1/2	191,291	1/2	201,388
3/4	110,917	3/4	121,217	3/4	131,517	3/4	141,817	3/4	152,117	3/4	161,214	3/4	171,311	3/4	181,408	3/4	191,505	3/4	201,602
1	111,132	1	121,432	1	131,732	1	142,031	1	152,331	1	161,428	1	171,525	1	181,622	1	191,719	1	201,816
1/4	111,347	1/4	121,646	1/4	131,946	1/4	142,246	1/4	152,546	1/4	161,643	1/4	171,740	1/4	181,837	1/4	191,934	1/4	202,031
1/2	111,561	1/2	121,861	1/2	132,161	1/2	142,460	1/2	152,759	1/2	161,856	1/2	171,953	1/2	182,050	1/2	192,147	1/2	202,244
3/4	111,776	3/4	122,076	3/4	132,375	3/4	142,675	3/4	152,974	3/4	162,071	3/4	172,168	3/4	182,265	3/4	192,362	3/4	202,459
1	111,990	1	122,290	1	132,590	1	142,890	1	153,189	1	162,286	1	172,383	1	182,480	1	192,577	1	202,674

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STARPPED: 04/07/2020 CL
 CALCULATED: 04/08/2020 CL
 PRINTED: 04/08/2020 SW
 CANCEL S AND SUPERCEDES
 ALL PRIOR TO 04/2020

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77688
<http://www.pma.com>



BARGE "IB 1321"

3 CENTER INNAGE TABLE

CAPACITIES PER INCH IN WHOLE GALLONS		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0 FT.	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	74	0	9,510	0	19,861	0	30,189	0	40,529	0	50,861	0	61,234	0	71,586	0	81,938	0	92,280
1/4	139	1/4	9,726	1/4	20,077	1/4	30,404	1/4	40,745	1/4	51,097	1/4	61,449	1/4	71,802	1/4	82,154	1/4	92,506
1/2	203	1/2	9,941	1/2	20,293	1/2	30,619	1/2	40,960	1/2	51,313	1/2	61,665	1/2	72,017	1/2	82,369	1/2	92,722
3/4	268	3/4	10,157	3/4	20,508	3/4	30,833	3/4	41,176	3/4	51,528	3/4	61,881	3/4	72,233	3/4	82,585	3/4	92,937
1	333	1	10,372	1	20,724	1	31,048	1	41,392	1	51,744	1	62,096	1	72,449	1	82,801	1	93,153
1/4	481	1/4	10,588	1/4	20,940	1/4	31,263	1/4	41,607	1/4	51,960	1/4	62,312	1/4	72,664	1/4	83,016	1/4	93,369
1/2	629	1/2	10,804	1/2	21,155	1/2	31,478	1/2	41,823	1/2	52,175	1/2	62,528	1/2	72,880	1/2	83,232	1/2	93,584
3/4	777	3/4	11,019	3/4	21,371	3/4	31,692	3/4	42,039	3/4	52,391	3/4	62,743	3/4	73,096	3/4	83,448	3/4	93,800
2	925	2	11,235	2	21,587	2	31,907	2	42,254	2	52,607	2	62,959	2	73,311	2	83,679	2	94,016
1/4	1,131	1/4	11,451	1/4	21,802	1/4	32,122	1/4	42,470	1/4	52,822	1/4	63,175	1/4	73,527	1/4	83,879	1/4	94,231
1/2	1,337	1/2	11,666	1/2	22,018	1/2	32,337	1/2	42,686	1/2	53,038	1/2	63,390	1/2	73,743	1/2	84,095	1/2	94,447
3/4	1,544	3/4	11,882	3/4	22,234	3/4	32,552	3/4	42,901	3/4	53,254	3/4	63,606	3/4	73,958	3/4	84,311	3/4	94,663
3	1,750	3	12,098	3	22,449	3	32,767	3	43,117	3	53,469	3	63,822	3	74,174	3	84,526	3	94,878
1/4	1,965	1/4	12,313	1/4	22,665	1/4	32,982	1/4	43,333	1/4	53,685	1/4	64,037	1/4	74,390	1/4	84,742	1/4	95,094
1/2	2,180	1/2	12,529	1/2	22,881	1/2	33,197	1/2	43,548	1/2	53,901	1/2	64,253	1/2	74,605	1/2	84,966	1/2	95,310
3/4	2,394	3/4	12,745	3/4	23,096	3/4	33,412	3/4	43,764	3/4	54,116	3/4	64,469	3/4	74,821	3/4	85,173	3/4	95,525
4	2,609	4	12,960	4	23,312	4	33,628	4	43,980	4	54,332	4	64,684	4	75,037	4	85,389	4	95,741
1/4	2,825	1/4	13,176	1/4	23,528	1/4	33,843	1/4	44,196	1/4	54,548	1/4	64,900	1/4	75,252	1/4	85,605	1/4	95,957
1/2	3,040	1/2	13,392	1/2	23,743	1/2	34,059	1/2	44,411	1/2	54,763	1/2	65,116	1/2	75,468	1/2	85,820	1/2	96,172
3/4	3,256	3/4	13,607	3/4	23,959	3/4	34,275	3/4	44,627	3/4	54,979	3/4	65,331	3/4	75,684	3/4	86,036	3/4	96,388
5	3,471	5	13,823	5	24,175	5	34,490	5	44,843	5	55,195	5	65,547	5	75,899	5	86,252	5	96,604
1/4	3,687	1/4	14,039	1/4	24,390	1/4	34,706	1/4	45,058	1/4	55,410	1/4	65,763	1/4	76,115	1/4	86,467	1/4	96,820
1/2	3,902	1/2	14,254	1/2	24,606	1/2	34,922	1/2	45,274	1/2	55,626	1/2	65,978	1/2	76,331	1/2	86,633	1/2	97,035
3/4	4,118	3/4	14,470	3/4	24,821	3/4	35,137	3/4	45,490	3/4	55,842	3/4	66,194	3/4	76,546	3/4	86,899	3/4	97,251
6	4,334	6	14,686	6	25,036	6	35,353	6	45,705	6	56,057	6	66,410	6	76,762	6	87,114	6	97,467
1/4	4,549	1/4	14,901	1/4	25,251	1/4	35,569	1/4	45,919	1/4	56,273	1/4	66,625	1/4	76,978	1/4	87,330	1/4	97,682
1/2	4,765	1/2	15,117	1/2	25,466	1/2	35,784	1/2	46,137	1/2	56,489	1/2	66,841	1/2	77,193	1/2	87,546	1/2	97,898
3/4	4,981	3/4	15,333	3/4	25,681	3/4	36,000	3/4	46,352	3/4	56,704	3/4	67,057	3/4	77,409	3/4	87,761	3/4	98,114
7	5,196	7	15,548	7	25,896	7	36,216	7	46,568	7	56,920	7	67,272	7	77,625	7	87,977	7	98,329
1/4	5,412	1/4	15,764	1/4	26,110	1/4	36,431	1/4	46,784	1/4	57,136	1/4	67,488	1/4	77,840	1/4	88,193	1/4	98,545
1/2	5,628	1/2	15,980	1/2	26,325	1/2	36,647	1/2	46,999	1/2	57,352	1/2	67,704	1/2	78,056	1/2	88,408	1/2	98,761
3/4	5,843	3/4	16,195	3/4	26,539	3/4	36,863	3/4	47,215	3/4	57,567	3/4	67,919	3/4	78,272	3/4	88,624	3/4	98,976
8	6,059	8	16,411	8	26,754	8	37,078	8	47,431	8	57,783	8	68,135	8	78,487	8	88,840	8	99,192
1/4	6,275	1/4	16,627	1/4	26,969	1/4	37,294	1/4	47,646	1/4	57,999	1/4	68,351	1/4	78,703	1/4	89,055	1/4	99,408
1/2	6,490	1/2	16,842	1/2	27,183	1/2	37,510	1/2	47,862	1/2	58,214	1/2	68,566	1/2	78,919	1/2	89,271	1/2	99,623
3/4	6,706	3/4	17,058	3/4	27,398	3/4	37,725	3/4	48,078	3/4	58,430	3/4	68,782	3/4	79,134	3/4	89,487	3/4	99,839
9	6,922	9	17,274	9	27,613	9	37,941	9	48,293	9	58,646	9	68,998	9	79,350	9	89,702	9	100,055
1/4	7,137	1/4	17,489	1/4	27,828	1/4	38,167	1/4	48,509	1/4	58,861	1/4	69,213	1/4	79,566	1/4	89,918	1/4	100,270
1/2	7,353	1/2	17,705	1/2	28,042	1/2	38,372	1/2	48,725	1/2	59,077	1/2	69,429	1/2	79,781	1/2	89,918	1/2	100,486
3/4	7,569	3/4	17,920	3/4	28,257	3/4	38,588	3/4	48,940	3/4	59,293	3/4	69,645	3/4	79,987	3/4	90,149	3/4	100,702
10	7,784	10	18,136	10	28,472	10	38,804	10	49,156	10	59,508	10	69,860	10	80,213	10	90,565	10	100,917
1/4	8,000	1/4	18,352	1/4	28,686	1/4	39,019	1/4	49,372	1/4	59,724	1/4	70,076	1/4	80,428	1/4	90,781	1/4	101,133
1/2	8,216	1/2	18,567	1/2	28,901	1/2	39,235	1/2	49,585	1/2	59,940	1/2	70,292	1/2	80,644	1/2	91,000	1/2	101,349
3/4	8,431	3/4	18,783	3/4	29,116	3/4	39,451	3/4	49,803	3/4	60,155	3/4	70,508	3/4	80,860	3/4	91,212	3/4	101,564
11	8,647	11	18,999	11	29,330	11	39,666	11	50,019	11	60,371	11	70,723	11	81,075	11	91,428	11	101,780
1/4	8,863	1/4	19,214	1/4	29,545	1/4	39,882	1/4	50,234	1/4	60,587	1/4	70,939	1/4	81,291	1/4	91,643	1/4	101,996
1/2	9,078	1/2	19,430	1/2	29,760	1/2	40,098	1/2	50,450	1/2	60,802	1/2	71,155	1/2	81,507	1/2	91,859	1/2	102,211
3/4	9,294	3/4	19,646	3/4	29,975	3/4	40,313	3/4	50,666	3/4	61,018	3/4	71,370	3/4	81,722	3/4	92,075	3/4	102,427

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MARSS CHAPTER 27.
CAPACITY TABLE ONLY APPLIES WHEN BARGES 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 77588
http://www.pmatcorp.net



BARGE "IB 1321"

3 CENTER
INNAE 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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	102,843	0	112,995	0	123,347	0	133,699	0	144,052	0	154,286	0	164,412	0	174,538	0	184,664	0	194,790
1/4	102,858	1/4	113,211	1/4	123,563	1/4	133,915	1/4	144,267	1/4	154,412	1/4	164,538	1/4	174,664	1/4	184,790	1/4	194,916
1/2	103,074	1/2	113,426	1/2	123,779	1/2	134,131	1/2	144,483	1/2	154,538	1/2	164,664	1/2	174,790	1/2	184,916	1/2	195,042
3/4	103,290	3/4	113,642	3/4	123,994	3/4	134,346	3/4	144,699	3/4	154,663	3/4	164,789	3/4	174,885	3/4	184,981	3/4	195,077
1	103,505	1	113,858	1	124,210	1	134,562	1	144,914	1	154,789	1	164,885	1	174,981	1	185,077	1	195,173
1/4	103,721	1/4	114,073	1/4	124,426	1/4	134,778	1/4	145,130	1/4	154,848	1/4	164,944	1/4	175,040	1/4	185,136	1/4	195,232
1/2	103,937	1/2	114,289	1/2	124,641	1/2	134,993	1/2	145,346	1/2	154,906	1/2	165,002	1/2	175,100	1/2	185,196	1/2	195,292
3/4	104,152	3/4	114,505	3/4	124,857	3/4	135,209	3/4	145,561	3/4	155,023	3/4	165,119	3/4	175,215	3/4	185,311	3/4	195,407
2	104,368	2	114,720	2	125,070	2	135,425	2	145,777	2	155,041	2	165,137	2	175,233	2	185,329	2	195,425
1/4	104,584	1/4	114,936	1/4	125,283	1/4	135,640	1/4	145,993	1/4	155,257	1/4	165,353	1/4	175,449	1/4	185,545	1/4	195,641
1/2	104,799	1/2	115,152	1/2	125,504	1/2	135,856	1/2	146,208	1/2	155,472	1/2	165,568	1/2	175,664	1/2	185,760	1/2	195,856
3/4	105,015	3/4	115,367	3/4	125,720	3/4	136,072	3/4	146,424	3/4	155,726	3/4	165,822	3/4	175,918	3/4	186,014	3/4	196,110
3	105,231	3	115,583	3	125,935	3	136,287	3	146,640	3	155,939	3	166,035	3	176,131	3	186,227	3	196,323
1/4	105,446	1/4	115,799	1/4	126,151	1/4	136,503	1/4	146,855	1/4	156,117	1/4	166,213	1/4	176,309	1/4	186,405	1/4	196,501
1/2	105,662	1/2	116,014	1/2	126,367	1/2	136,719	1/2	147,071	1/2	156,323	1/2	166,419	1/2	176,515	1/2	186,611	1/2	196,707
3/4	105,878	3/4	116,230	3/4	126,582	3/4	136,935	3/4	147,287	3/4	156,536	3/4	166,632	3/4	176,728	3/4	186,824	3/4	196,920
4	106,093	4	116,446	4	126,798	4	137,150	4	147,502	4	156,738	4	166,834	4	176,930	4	187,026	4	197,122
1/4	106,309	1/4	116,661	1/4	127,014	1/4	137,366	1/4	147,718	1/4	157,070	1/4	167,166	1/4	177,262	1/4	187,358	1/4	197,454
1/2	106,525	1/2	116,877	1/2	127,229	1/2	137,582	1/2	147,934	1/2	157,286	1/2	167,382	1/2	177,478	1/2	187,574	1/2	197,670
3/4	106,740	3/4	117,093	3/4	127,445	3/4	137,797	3/4	148,149	3/4	157,499	3/4	167,595	3/4	177,691	3/4	187,787	3/4	197,883
5	106,956	5	117,308	5	127,661	5	138,013	5	148,365	5	157,717	5	167,813	5	177,909	5	188,005	5	198,101
1/4	107,172	1/4	117,524	1/4	127,876	1/4	138,229	1/4	148,581	1/4	157,929	1/4	168,025	1/4	178,121	1/4	188,217	1/4	198,313
1/2	107,387	1/2	117,740	1/2	128,092	1/2	138,444	1/2	148,796	1/2	158,048	1/2	168,144	1/2	178,240	1/2	188,336	1/2	198,432
3/4	107,603	3/4	117,955	3/4	128,308	3/4	138,660	3/4	149,012	3/4	158,264	3/4	168,360	3/4	178,456	3/4	188,552	3/4	198,648
6	107,819	6	118,171	6	128,523	6	138,876	6	149,228	6	158,480	6	168,576	6	178,672	6	188,768	6	198,864
1/4	108,034	1/4	118,387	1/4	128,739	1/4	139,091	1/4	149,443	1/4	158,695	1/4	168,791	1/4	178,887	1/4	188,983	1/4	199,079
1/2	108,250	1/2	118,602	1/2	128,955	1/2	139,307	1/2	149,659	1/2	158,911	1/2	169,007	1/2	179,103	1/2	189,199	1/2	199,295
3/4	108,466	3/4	118,818	3/4	129,170	3/4	139,523	3/4	149,875	3/4	159,127	3/4	169,223	3/4	179,319	3/4	189,415	3/4	199,511
7	108,681	7	119,034	7	129,386	7	139,738	7	150,091	7	159,343	7	169,439	7	179,535	7	189,631	7	199,727
1/4	108,897	1/4	119,249	1/4	129,602	1/4	139,954	1/4	150,306	1/4	159,558	1/4	169,654	1/4	179,750	1/4	189,846	1/4	199,942
1/2	109,113	1/2	119,465	1/2	129,817	1/2	140,170	1/2	150,522	1/2	159,774	1/2	169,870	1/2	179,966	1/2	189,062	1/2	199,158
3/4	109,328	3/4	119,681	3/4	130,033	3/4	140,385	3/4	150,738	3/4	159,990	3/4	170,086	3/4	180,182	3/4	189,278	3/4	199,374
8	109,544	8	119,896	8	130,249	8	140,601	8	150,953	8	160,205	8	170,301	8	180,397	8	189,493	8	199,589
1/4	109,760	1/4	120,112	1/4	130,464	1/4	140,817	1/4	151,169	1/4	160,421	1/4	170,517	1/4	180,613	1/4	189,709	1/4	199,805
1/2	109,975	1/2	120,328	1/2	130,680	1/2	141,032	1/2	151,384	1/2	160,636	1/2	170,732	1/2	180,828	1/2	189,924	1/2	199,901
3/4	110,191	3/4	120,543	3/4	130,896	3/4	141,248	3/4	151,596	3/4	160,848	3/4	170,944	3/4	181,040	3/4	190,136	3/4	199,997
9	110,407	9	120,759	9	131,111	9	141,464	9	151,816	9	161,068	9	171,164	9	181,260	9	190,356	9	199,993
1/4	110,623	1/4	120,975	1/4	131,327	1/4	141,679	1/4	152,031	1/4	161,280	1/4	171,376	1/4	181,472	1/4	190,568	1/4	199,989
1/2	110,838	1/2	121,190	1/2	131,543	1/2	141,895	1/2	152,246	1/2	161,484	1/2	171,580	1/2	181,676	1/2	190,764	1/2	199,985
3/4	111,054	3/4	121,406	3/4	131,758	3/4	142,111	3/4	152,461	3/4	161,676	3/4	171,772	3/4	181,868	3/4	190,960	3/4	199,981
10	111,270	10	121,622	10	131,974	10	142,326	10	152,677	10	161,889	10	171,968	10	182,068	10	191,164	10	199,977
1/4	111,485	1/4	121,837	1/4	132,190	1/4	142,542	1/4	152,889	1/4	162,099	1/4	172,195	1/4	182,291	1/4	191,387	1/4	199,973
1/2	111,701	1/2	122,053	1/2	132,405	1/2	142,758	1/2	153,101	1/2	162,302	1/2	172,398	1/2	182,494	1/2	191,583	1/2	199,969
3/4	111,917	3/4	122,269	3/4	132,621	3/4	142,973	3/4	153,314	3/4	162,513	3/4	172,609	3/4	182,705	3/4	191,779	3/4	199,965
11	112,132	11	122,484	11	132,837	11	143,189	11	153,526	11	162,717	11	172,813	11	182,909	11	191,975	11	199,961
1/4	112,348	1/4	122,700	1/4	133,052	1/4	143,405	1/4	153,716	1/4	162,928	1/4	173,024	1/4	183,120	1/4	192,216	1/4	199,957
1/2	112,564	1/2	122,916	1/2	133,268	1/2	143,620	1/2	153,906	1/2	163,140	1/2	173,236	1/2	183,332	1/2	192,432	1/2	199,953
3/4	112,779	3/4	123,131	3/4	133,484	3/4	143,836	3/4	154,096	3/4	163,352	3/4	173,448	3/4	183,548	3/4	192,638	3/4	199,949

GAUGE HEIGHT 16'-01 1/4"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/07/2020 CL
CALCULATED: 04/08/2020 CL
PRINTED: 04/08/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/20/20

PRECISION MEASUREMENT
& ANALYSIS, INC.

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