



BARGE "IB 1310"

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	01-1/4	- 01-1/4
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:

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 - 00-1/2"
 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"

September 10, 2019

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

<http://www.pmacorp.net>



BARGE "IB 1310"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	230	0	11,114	0	23,045	0	34,763	0	46,545	0	58,454	0	70,363	0	82,234	0	94,148	0	106,062
1/4	305	1/4	11,363	1/4	23,293	1/4	35,003	1/4	46,793	1/4	58,702	1/4	70,611	1/4	82,482	1/4	94,396	1/4	106,310
1/2	380	1/2	11,611	1/2	23,541	1/2	35,242	1/2	47,041	1/2	58,950	1/2	70,859	1/2	82,730	1/2	94,644	1/2	106,558
3/4	454	3/4	11,860	3/4	23,790	3/4	35,482	3/4	47,289	3/4	59,198	3/4	71,107	3/4	82,979	3/4	94,892	3/4	106,806
1	529	1	12,109	1	24,038	1	35,722	1	47,537	1	59,446	1	71,355	1	83,227	1	95,141	1	107,054
1 1/4	700	1 1/4	12,358	1 1/4	24,286	1 1/4	35,961	1 1/4	47,786	1 1/4	59,695	1 1/4	71,603	1 1/4	83,475	1 1/4	95,389	1 1/4	107,303
1 1/2	870	1 1/2	12,606	1 1/2	24,535	1 1/2	36,201	1 1/2	48,034	1 1/2	59,943	1 1/2	71,861	1 1/2	83,723	1 1/2	95,637	1 1/2	107,551
3/4	1,041	3/4	12,855	3/4	24,783	3/4	36,440	3/4	48,282	3/4	60,191	3/4	72,099	3/4	83,971	3/4	95,885	3/4	107,799
2	1,212	2	13,104	2	25,031	2	36,680	2	48,530	2	60,439	2	72,347	2	84,220	2	96,133	2	108,047
1 1/4	1,450	1 1/4	13,353	1 1/4	25,279	1 1/4	36,920	1 1/4	48,778	1 1/4	60,687	1 1/4	72,594	1 1/4	84,468	1 1/4	96,382	1 1/4	108,295
1 1/2	1,688	1 1/2	13,601	1 1/2	25,528	1 1/2	37,159	1 1/2	49,026	1 1/2	60,935	1 1/2	72,841	1 1/2	84,716	1 1/2	96,630	1 1/2	108,544
3/4	1,926	3/4	13,850	3/4	25,776	3/4	37,399	3/4	49,274	3/4	61,183	3/4	73,088	3/4	84,964	3/4	96,878	3/4	108,792
3	2,164	3	14,099	3	26,024	3	37,639	3	49,522	3	61,431	3	73,336	3	85,212	3	97,126	3	109,040
1 1/4	2,411	1 1/4	14,348	1 1/4	26,272	1 1/4	37,880	1 1/4	49,770	1 1/4	61,679	1 1/4	73,583	1 1/4	85,461	1 1/4	97,374	1 1/4	109,288
1 1/2	2,659	1 1/2	14,596	1 1/2	26,521	1 1/2	38,122	1 1/2	50,018	1 1/2	61,928	1 1/2	73,830	1 1/2	85,709	1 1/2	97,623	1 1/2	109,536
3/4	2,907	3/4	14,845	3/4	26,769	3/4	38,364	3/4	50,267	3/4	62,176	3/4	74,077	3/4	85,957	3/4	97,871	3/4	109,785
4	3,155	4	15,094	4	27,017	4	38,606	4	50,515	4	62,424	4	74,324	4	86,205	4	98,119	4	110,033
1 1/4	3,403	1 1/4	15,342	1 1/4	27,265	1 1/4	38,854	1 1/4	50,763	1 1/4	62,672	1 1/4	74,571	1 1/4	86,453	1 1/4	98,367	1 1/4	110,281
1 1/2	3,652	1 1/2	15,591	1 1/2	27,514	1 1/2	39,102	1 1/2	51,011	1 1/2	62,920	1 1/2	74,818	1 1/2	86,702	1 1/2	98,615	1 1/2	110,529
3/4	3,900	3/4	15,840	3/4	27,762	3/4	39,350	3/4	51,259	3/4	63,168	3/4	75,066	3/4	86,950	3/4	98,864	3/4	110,777
5	4,149	5	16,088	5	28,010	5	39,598	5	51,507	5	63,416	5	75,313	5	87,198	5	99,112	5	111,026
1 1/4	4,398	1 1/4	16,337	1 1/4	28,257	1 1/4	39,846	1 1/4	51,755	1 1/4	63,664	1 1/4	75,561	1 1/4	87,446	1 1/4	99,360	1 1/4	111,274
1 1/2	4,646	1 1/2	16,586	1 1/2	28,503	1 1/2	40,094	1 1/2	52,003	1 1/2	63,912	1 1/2	75,807	1 1/2	87,694	1 1/2	99,608	1 1/2	111,522
3/4	4,895	3/4	16,835	3/4	28,750	3/4	40,342	3/4	52,251	3/4	64,160	3/4	76,054	3/4	87,943	3/4	99,856	3/4	111,770
6	5,144	6	17,083	6	28,997	6	40,590	6	52,500	6	64,409	6	76,301	6	88,191	6	100,105	6	112,018
1 1/4	5,393	1 1/4	17,332	1 1/4	29,238	1 1/4	40,838	1 1/4	52,748	1 1/4	64,657	1 1/4	76,548	1 1/4	88,439	1 1/4	100,353	1 1/4	112,267
1 1/2	5,641	1 1/2	17,581	1 1/2	29,480	1 1/2	41,087	1 1/2	52,996	1 1/2	64,905	1 1/2	76,796	1 1/2	88,687	1 1/2	100,601	1 1/2	112,515
3/4	5,890	3/4	17,830	3/4	29,722	3/4	41,335	3/4	53,244	3/4	65,153	3/4	77,043	3/4	88,935	3/4	100,849	3/4	112,763
7	6,139	7	18,078	7	29,964	7	41,583	7	53,492	7	65,401	7	77,290	7	89,184	7	101,097	7	113,011
1 1/4	6,388	1 1/4	18,327	1 1/4	30,206	1 1/4	41,831	1 1/4	53,740	1 1/4	65,649	1 1/4	77,537	1 1/4	89,432	1 1/4	101,346	1 1/4	113,259
1 1/2	6,636	1 1/2	18,576	1 1/2	30,446	1 1/2	42,079	1 1/2	53,988	1 1/2	65,897	1 1/2	77,784	1 1/2	89,680	1 1/2	101,594	1 1/2	113,508
3/4	6,885	3/4	18,824	3/4	30,688	3/4	42,327	3/4	54,236	3/4	66,145	3/4	78,031	3/4	89,928	3/4	101,842	3/4	113,756
8	7,134	8	19,073	8	30,929	8	42,575	8	54,484	8	66,393	8	78,279	8	90,176	8	102,090	8	114,004
1 1/4	7,383	1 1/4	19,321	1 1/4	31,168	1 1/4	42,823	1 1/4	54,732	1 1/4	66,642	1 1/4	78,526	1 1/4	90,425	1 1/4	102,338	1 1/4	114,252
1 1/2	7,631	1 1/2	19,569	1 1/2	31,408	1 1/2	43,072	1 1/2	54,981	1 1/2	66,890	1 1/2	78,773	1 1/2	90,673	1 1/2	102,587	1 1/2	114,500
3/4	7,880	3/4	19,818	3/4	31,648	3/4	43,320	3/4	55,229	3/4	67,138	3/4	79,020	3/4	90,921	3/4	102,835	3/4	114,749
9	8,129	9	20,066	9	31,887	9	43,568	9	55,477	9	67,386	9	79,267	9	91,169	9	103,083	9	114,997
1 1/4	8,378	1 1/4	20,314	1 1/4	32,127	1 1/4	43,816	1 1/4	55,725	1 1/4	67,634	1 1/4	79,514	1 1/4	91,418	1 1/4	103,331	1 1/4	115,245
1 1/2	8,626	1 1/2	20,562	1 1/2	32,367	1 1/2	44,064	1 1/2	55,973	1 1/2	67,882	1 1/2	79,761	1 1/2	91,666	1 1/2	103,579	1 1/2	115,493
3/4	8,875	3/4	20,811	3/4	32,606	3/4	44,312	3/4	56,221	3/4	68,130	3/4	80,009	3/4	91,914	3/4	103,828	3/4	115,741
10	9,124	10	21,059	10	32,846	10	44,560	10	56,469	10	68,378	10	80,256	10	92,162	10	104,076	10	115,989
1 1/4	9,373	1 1/4	21,307	1 1/4	33,085	1 1/4	44,808	1 1/4	56,717	1 1/4	68,626	1 1/4	80,503	1 1/4	92,410	1 1/4	104,324	1 1/4	116,237
1 1/2	9,621	1 1/2	21,555	1 1/2	33,325	1 1/2	45,056	1 1/2	56,965	1 1/2	68,874	1 1/2	80,750	1 1/2	92,659	1 1/2	104,572	1 1/2	116,485
3/4	9,870	3/4	21,804	3/4	33,565	3/4	45,304	3/4	57,214	3/4	69,123	3/4	80,997	3/4	92,907	3/4	104,821	3/4	116,733
11	10,119	11	22,052	11	33,804	11	45,553	11	57,462	11	69,371	11	81,244	11	93,155	11	105,069	11	116,981
1 1/4	10,368	1 1/4	22,300	1 1/4	34,044	1 1/4	45,801	1 1/4	57,710	1 1/4	69,619	1 1/4	81,492	1 1/4	93,403	1 1/4	105,317	1 1/4	117,229
1 1/2	10,616	1 1/2	22,548	1 1/2	34,284	1 1/2	46,049	1 1/2	57,958	1 1/2	69,867	1 1/2	81,739	1 1/2	93,651	1 1/2	105,565	1 1/2	117,476
3/4	10,865	3/4	22,797	3/4	34,523	3/4	46,297	3/4	58,206	3/4	70,115	3/4	81,987	3/4	93,900	3/4	105,813	3/4	117,724

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "IB 1310"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	117,972	0	129,060	0	139,240	0	149,431	0	159,621	0	169,784	0	179,930	0	189,970	0	199,970	0	209,970
1/4	118,220	1/4	129,262	1/4	139,452	1/4	149,643	1/4	159,833	1/4	169,930	1/4	179,976	1/4	189,976	1/4	199,976	1/4	209,976
1/2	118,468	1/2	129,474	1/2	139,665	1/2	149,856	1/2	160,046	1/2	170,076	1/2	180,076	1/2	190,076	1/2	199,976	1/2	209,976
3/4	118,716	3/4	129,667	3/4	139,877	3/4	150,067	3/4	160,258	3/4	170,220	3/4	180,220	3/4	190,220	3/4	199,976	3/4	209,976
1	118,964	1	129,899	1	140,089	1	150,280	1	160,470	1	170,365	1	180,365	1	190,365	1	199,976	1	209,976
1 1/4	119,211	1 1/4	130,111	1 1/4	140,302	1 1/4	150,492	1 1/4	160,683	1 1/4	170,432	1 1/4	180,432	1 1/4	190,432	1 1/4	199,976	1 1/4	209,976
1 1/2	119,459	1 1/2	130,323	1 1/2	140,514	1 1/2	150,704	1 1/2	160,895	1 1/2	170,499	1 1/2	180,499	1 1/2	190,499	1 1/2	199,976	1 1/2	209,976
3/4	119,707	3/4	130,536	3/4	140,726	3/4	150,917	3/4	161,107	3/4	170,567	3/4	180,567	3/4	190,567	3/4	199,976	3/4	209,976
2	119,955	2	130,748	2	140,939	2	151,129	2	161,319	2	170,634	2	180,634	2	190,634	2	199,976	2	209,976
1/4	120,203	1/4	130,960	1/4	141,151	1/4	151,341	1/4	161,532	1/4	170,655	1/4	180,655	1/4	190,655	1/4	199,976	1/4	209,976
1/2	120,451	1/2	131,173	1/2	141,363	1/2	151,554	1/2	161,744	1/2	170,744	1/2	180,744	1/2	190,744	1/2	199,976	1/2	209,976
3/4	120,698	3/4	131,395	3/4	141,575	3/4	151,766	3/4	161,956	3/4	170,956	3/4	180,956	3/4	190,956	3/4	199,976	3/4	209,976
3	120,946	3	131,597	3	141,788	3	151,978	3	162,169	3	171,169	3	181,169	3	191,169	3	199,976	3	209,976
1/4	121,194	1/4	131,810	1/4	142,000	1/4	152,190	1/4	162,381	1/4	171,381	1/4	181,381	1/4	191,381	1/4	199,976	1/4	209,976
1/2	121,442	1/2	132,022	1/2	142,212	1/2	152,403	1/2	162,593	1/2	171,593	1/2	181,593	1/2	191,593	1/2	199,976	1/2	209,976
3/4	121,690	3/4	132,234	3/4	142,425	3/4	152,615	3/4	162,806	3/4	171,806	3/4	181,806	3/4	191,806	3/4	199,976	3/4	209,976
4	121,938	4	132,446	4	142,637	4	152,827	4	163,018	4	172,018	4	182,018	4	192,018	4	199,976	4	209,976
1/4	122,186	1/4	132,659	1/4	142,849	1/4	153,040	1/4	163,230	1/4	172,230	1/4	182,230	1/4	192,230	1/4	199,976	1/4	209,976
1/2	122,433	1/2	132,871	1/2	143,062	1/2	153,252	1/2	163,442	1/2	172,442	1/2	182,442	1/2	192,442	1/2	199,976	1/2	209,976
3/4	122,681	3/4	133,083	3/4	143,274	3/4	153,464	3/4	163,655	3/4	172,655	3/4	182,655	3/4	192,655	3/4	199,976	3/4	209,976
5	122,929	5	133,296	5	143,486	5	153,677	5	163,867	5	172,867	5	182,867	5	192,867	5	199,976	5	209,976
1/4	123,172	1/4	133,508	1/4	143,698	1/4	153,889	1/4	164,079	1/4	173,079	1/4	183,079	1/4	193,079	1/4	199,976	1/4	209,976
1/2	123,416	1/2	133,720	1/2	143,911	1/2	154,101	1/2	164,292	1/2	173,292	1/2	183,292	1/2	193,292	1/2	199,976	1/2	209,976
3/4	123,659	3/4	133,933	3/4	144,123	3/4	154,313	3/4	164,504	3/4	173,504	3/4	183,504	3/4	193,504	3/4	199,976	3/4	209,976
6	123,902	6	134,145	6	144,335	6	154,526	6	164,716	6	173,716	6	183,716	6	193,716	6	199,976	6	209,976
1/4	124,128	1/4	134,357	1/4	144,548	1/4	154,738	1/4	164,929	1/4	173,929	1/4	183,929	1/4	193,929	1/4	199,976	1/4	209,976
1/2	124,353	1/2	134,569	1/2	144,760	1/2	154,950	1/2	165,141	1/2	174,141	1/2	184,141	1/2	194,141	1/2	199,976	1/2	209,976
3/4	124,578	3/4	134,782	3/4	144,972	3/4	155,163	3/4	165,353	3/4	174,353	3/4	184,353	3/4	194,353	3/4	199,976	3/4	209,976
7	124,804	7	134,994	7	145,185	7	155,375	7	165,565	7	174,565	7	184,565	7	194,565	7	199,976	7	209,976
1/4	125,016	1/4	135,206	1/4	145,397	1/4	155,587	1/4	165,778	1/4	174,778	1/4	184,778	1/4	194,778	1/4	199,976	1/4	209,976
1/2	125,228	1/2	135,419	1/2	145,609	1/2	155,800	1/2	166,000	1/2	175,000	1/2	185,000	1/2	195,000	1/2	199,976	1/2	209,976
3/4	125,441	3/4	135,631	3/4	145,821	3/4	156,012	3/4	166,202	3/4	175,202	3/4	185,202	3/4	195,202	3/4	199,976	3/4	209,976
8	125,653	8	135,843	8	146,034	8	156,224	8	166,415	8	175,415	8	185,415	8	195,415	8	199,976	8	209,976
1/4	125,865	1/4	136,056	1/4	146,246	1/4	156,437	1/4	166,627	1/4	175,627	1/4	185,627	1/4	195,627	1/4	199,976	1/4	209,976
1/2	126,077	1/2	136,268	1/2	146,458	1/2	156,649	1/2	166,839	1/2	175,839	1/2	185,839	1/2	195,839	1/2	199,976	1/2	209,976
3/4	126,290	3/4	136,480	3/4	146,671	3/4	156,861	3/4	167,051	3/4	176,051	3/4	186,051	3/4	196,051	3/4	199,976	3/4	209,976
9	126,502	9	136,692	9	146,883	9	157,073	9	167,264	9	176,264	9	186,264	9	196,264	9	199,976	9	209,976
1/4	126,714	1/4	136,905	1/4	147,095	1/4	157,286	1/4	167,476	1/4	176,476	1/4	186,476	1/4	196,476	1/4	199,976	1/4	209,976
1/2	126,927	1/2	137,117	1/2	147,308	1/2	157,498	1/2	167,687	1/2	176,687	1/2	186,687	1/2	196,687	1/2	199,976	1/2	209,976
3/4	127,139	3/4	137,329	3/4	147,520	3/4	157,710	3/4	167,899	3/4	176,899	3/4	186,899	3/4	196,899	3/4	199,976	3/4	209,976
10	127,351	10	137,542	10	147,732	10	157,923	10	168,111	10	177,111	10	187,111	10	197,111	10	199,976	10	209,976
1/4	127,564	1/4	137,754	1/4	147,944	1/4	158,135	1/4	168,324	1/4	177,324	1/4	187,324	1/4	197,324	1/4	199,976	1/4	209,976
1/2	127,776	1/2	137,966	1/2	148,157	1/2	158,347	1/2	168,537	1/2	177,537	1/2	187,537	1/2	197,537	1/2	199,976	1/2	209,976
3/4	127,988	3/4	138,179	3/4	148,369	3/4	158,560	3/4	168,750	3/4	177,750	3/4	187,750	3/4	197,750	3/4	199,976	3/4	209,976
11	128,200	11	138,391	11	148,581	11	158,772	11	168,963	11	177,963	11	187,963	11	197,963	11	199,976	11	209,976
1/4	128,413	1/4	138,603	1/4	148,794	1/4	158,984	1/4	169,174	1/4	178,174	1/4	188,174	1/4	198,174	1/4	199,976	1/4	209,976
1/2	128,625	1/2	138,816	1/2	149,006	1/2	159,196	1/2	169,374	1/2	178,374	1/2	188,374	1/2	198,374	1/2	199,976	1/2	209,976
3/4	128,837	3/4	139,028	3/4	149,218	3/4	159,409	3/4	169,579	3/4	178,579	3/4	188,579	3/4	198,579	3/4	199,976	3/4	209,976

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2019 CL
CALCULATED: 09/10/2019 CL
PRINTED: 09/10/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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



BARGE "IB 1310"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	9,456	0	19,763	0	29,890	0	40,091	0	50,387	0	60,683	0	70,979	0	81,274	0	91,570	0
1/4	138	9,673	1/4	19,968	1/4	30,098	1/4	40,306	1/4	50,601	1/4	60,897	1/4	71,193	1/4	81,489	1/4	91,785	1/4
1/2	207	9,887	1/2	20,182	1/2	30,306	1/2	40,520	1/2	50,816	1/2	61,112	1/2	71,408	1/2	81,703	1/2	91,999	1/2
3/4	262	10,101	3/4	20,397	3/4	30,514	3/4	40,735	3/4	51,030	3/4	61,326	3/4	71,622	3/4	81,918	3/4	92,214	3/4
1	331	10,316	1	20,611	1	30,722	1	40,949	1	51,245	1	61,541	1	71,837	1	82,132	1	92,428	1
1/4	478	10,530	1/4	20,826	1/4	30,931	1/4	41,164	1/4	51,459	1/4	61,755	1/4	72,051	1/4	82,347	1/4	92,643	1/4
1/2	625	10,745	1/2	21,040	1/2	31,139	1/2	41,378	1/2	51,674	1/2	61,970	1/2	72,266	1/2	82,561	1/2	92,857	1/2
3/4	773	10,959	3/4	21,255	3/4	31,347	3/4	41,593	3/4	51,888	3/4	62,184	3/4	72,480	3/4	82,776	3/4	93,072	3/4
2	920	11,174	2	21,469	2	31,555	2	41,807	2	52,103	2	62,399	2	72,695	2	82,990	2	93,286	2
1/4	1,126	11,388	1/4	21,684	1/4	31,763	1/4	42,022	1/4	52,317	1/4	62,613	1/4	72,909	1/4	83,205	1/4	93,501	1/4
1/2	1,330	11,603	1/2	21,898	1/2	31,972	1/2	42,236	1/2	52,532	1/2	62,828	1/2	73,124	1/2	83,419	1/2	93,715	1/2
3/4	1,535	11,817	3/4	22,113	3/4	32,180	3/4	42,451	3/4	52,746	3/4	63,042	3/4	73,338	3/4	83,634	3/4	93,930	3/4
1	1,741	12,032	1	22,327	1	32,388	1	42,665	1	52,961	1	63,257	1	73,553	1	83,848	1	94,144	1
1/4	1,954	12,246	1/4	22,542	1/4	32,598	1/4	42,880	1/4	53,175	1/4	63,471	1/4	73,767	1/4	84,063	1/4	94,359	1/4
1/2	2,168	12,461	1/2	22,756	1/2	32,808	1/2	43,094	1/2	53,390	1/2	63,686	1/2	73,982	1/2	84,277	1/2	94,573	1/2
3/4	2,382	12,675	3/4	22,971	3/4	33,018	3/4	43,309	3/4	53,604	3/4	63,900	3/4	74,196	3/4	84,492	3/4	94,788	3/4
2	2,596	12,890	2	23,185	2	33,227	2	43,523	2	53,819	2	64,115	2	74,411	2	84,706	2	95,002	2
1/4	2,810	13,104	1/4	23,400	1/4	33,442	1/4	43,738	1/4	54,033	1/4	64,329	1/4	74,625	1/4	84,921	1/4	95,217	1/4
1/2	3,024	13,319	1/2	23,614	1/2	33,656	1/2	43,952	1/2	54,248	1/2	64,544	1/2	74,840	1/2	85,135	1/2	95,431	1/2
3/4	3,238	13,533	3/4	23,829	3/4	33,871	3/4	44,167	3/4	54,462	3/4	64,758	3/4	75,054	3/4	85,350	3/4	95,646	3/4
1	3,452	13,748	1	24,043	1	34,085	1	44,381	1	54,677	1	64,973	1	75,268	1	85,564	1	95,860	1
1/4	3,667	13,962	1/4	24,256	1/4	34,300	1/4	44,596	1/4	54,891	1/4	65,187	1/4	75,483	1/4	85,779	1/4	96,075	1/4
1/2	3,881	14,177	1/2	24,469	1/2	34,514	1/2	44,810	1/2	55,106	1/2	65,402	1/2	75,697	1/2	85,993	1/2	96,289	1/2
3/4	4,096	14,391	3/4	24,682	3/4	34,729	3/4	45,025	3/4	55,320	3/4	65,616	3/4	75,912	3/4	86,208	3/4	96,504	3/4
2	4,310	14,606	2	24,895	2	34,943	2	45,239	2	55,535	2	65,831	2	76,126	2	86,422	2	96,718	2
1/4	4,525	14,820	1/4	25,102	1/4	35,158	1/4	45,454	1/4	55,749	1/4	66,045	1/4	76,341	1/4	86,637	1/4	96,933	1/4
1/2	4,739	15,035	1/2	25,310	1/2	35,372	1/2	45,668	1/2	55,964	1/2	66,260	1/2	76,555	1/2	86,851	1/2	97,147	1/2
3/4	4,954	15,249	3/4	25,518	3/4	35,587	3/4	45,883	3/4	56,178	3/4	66,474	3/4	76,770	3/4	87,066	3/4	97,362	3/4
1	5,168	15,464	1	25,726	1	35,801	1	46,097	1	56,393	1	66,689	1	76,984	1	87,280	1	97,576	1
1/4	5,383	15,678	1/4	25,934	1/4	36,016	1/4	46,312	1/4	56,607	1/4	66,903	1/4	77,199	1/4	87,495	1/4	97,791	1/4
1/2	5,597	15,893	1/2	26,142	1/2	36,230	1/2	46,526	1/2	56,822	1/2	67,118	1/2	77,413	1/2	87,709	1/2	98,005	1/2
3/4	5,812	16,107	3/4	26,350	3/4	36,445	3/4	46,741	3/4	57,036	3/4	67,332	3/4	77,628	3/4	87,924	3/4	98,220	3/4
2	6,026	16,322	2	26,558	2	36,659	2	46,955	2	57,251	2	67,547	2	77,842	2	88,138	2	98,434	2
1/4	6,241	16,536	1/4	26,767	1/4	36,874	1/4	47,170	1/4	57,465	1/4	67,761	1/4	78,057	1/4	88,353	1/4	98,649	1/4
1/2	6,455	16,751	1/2	26,975	1/2	37,088	1/2	47,384	1/2	57,680	1/2	67,976	1/2	78,271	1/2	88,567	1/2	98,863	1/2
3/4	6,670	16,965	3/4	27,183	3/4	37,303	3/4	47,599	3/4	57,894	3/4	68,190	3/4	78,486	3/4	88,782	3/4	99,078	3/4
1	6,884	17,180	1	27,391	1	37,517	1	47,813	1	58,109	1	68,405	1	78,700	1	88,996	1	99,292	1
1/4	7,099	17,394	1/4	27,599	1/4	37,732	1/4	48,028	1/4	58,323	1/4	68,619	1/4	78,915	1/4	89,211	1/4	99,507	1/4
1/2	7,313	17,609	1/2	27,808	1/2	37,946	1/2	48,242	1/2	58,538	1/2	68,834	1/2	79,129	1/2	89,425	1/2	99,721	1/2
3/4	7,528	17,823	3/4	28,016	3/4	38,161	3/4	48,457	3/4	58,752	3/4	69,048	3/4	79,344	3/4	89,640	3/4	99,936	3/4
2	7,742	18,037	2	28,224	2	38,375	2	48,671	2	58,967	2	69,263	2	79,558	2	89,854	2	100,150	2
1/4	7,957	18,252	1/4	28,432	1/4	38,590	1/4	48,886	1/4	59,181	1/4	69,477	1/4	79,773	1/4	90,069	1/4	100,364	1/4
1/2	8,171	18,466	1/2	28,640	1/2	38,804	1/2	49,100	1/2	59,396	1/2	69,692	1/2	79,987	1/2	90,283	1/2	100,579	1/2
3/4	8,386	18,681	3/4	28,849	3/4	39,019	3/4	49,315	3/4	59,610	3/4	69,906	3/4	80,202	3/4	90,498	3/4	100,793	3/4
1	8,600	18,895	1	29,057	1	39,233	1	49,529	1	59,825	1	70,121	1	80,416	1	90,712	1	101,008	1
1/4	8,815	19,110	1/4	29,265	1/4	39,448	1/4	49,744	1/4	60,039	1/4	70,335	1/4	80,631	1/4	90,927	1/4	101,222	1/4
1/2	9,029	19,324	1/2	29,473	1/2	39,662	1/2	49,958	1/2	60,254	1/2	70,550	1/2	80,845	1/2	91,141	1/2	101,437	1/2
3/4	9,244	19,539	3/4	29,681	3/4	39,877	3/4	50,172	3/4	60,468	3/4	70,764	3/4	81,060	3/4	91,356	3/4	101,651	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPIMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2992

Pearland, Texas 77588

http://www.pmatcorp.net



BARGE "IB 1310"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	101,866	0	112,162	0	122,458	0	132,753	0	143,049	0	153,228	0	163,228	0	173,228	0	183,228	0	193,228
1/4	102,080	1/4	112,376	1/4	122,672	1/4	132,968	1/4	143,264	1/4	153,553	1/4	163,553	1/4	173,553	1/4	183,553	1/4	193,553
1/2	102,295	1/2	112,591	1/2	122,887	1/2	133,182	1/2	143,478	1/2	153,768	1/2	163,768	1/2	173,768	1/2	183,768	1/2	193,768
3/4	102,509	3/4	112,805	3/4	123,101	3/4	133,397	3/4	143,693	3/4	153,603	3/4	163,603	3/4	173,603	3/4	183,603	3/4	193,603
1	102,724	1	113,020	1	123,316	1	133,611	1	143,907	1	153,728	1	163,728	1	173,728	1	183,728	1	193,728
1/4	102,938	1/4	113,234	1/4	123,530	1/4	133,826	1/4	144,122	1/4	153,786	1/4	163,786	1/4	173,786	1/4	183,786	1/4	193,786
1/2	103,153	1/2	113,449	1/2	123,745	1/2	134,040	1/2	144,336	1/2	153,844	1/2	163,844	1/2	173,844	1/2	183,844	1/2	193,844
3/4	103,367	3/4	113,663	3/4	123,959	3/4	134,256	3/4	144,551	3/4	153,902	3/4	163,902	3/4	173,902	3/4	183,902	3/4	193,902
1	103,582	1	113,878	1	124,174	1	134,469	1	144,765	1	153,960	1	163,960	1	173,960	1	183,960	1	193,960
1/4	103,796	1/4	114,092	1/4	124,388	1/4	134,684	1/4	144,980	1/4	153,978	1/4	163,978	1/4	173,978	1/4	183,978	1/4	193,978
1/2	104,011	1/2	114,307	1/2	124,603	1/2	134,898	1/2	145,194	1/2	153,978	1/2	163,978	1/2	173,978	1/2	183,978	1/2	193,978
3/4	104,225	3/4	114,521	3/4	124,817	3/4	135,113	3/4	145,409	3/4	153,978	3/4	163,978	3/4	173,978	3/4	183,978	3/4	193,978
1	104,440	1	114,736	1	125,031	1	135,327	1	145,623	1	153,978	1	163,978	1	173,978	1	183,978	1	193,978
1/4	104,654	1/4	114,950	1/4	125,246	1/4	135,542	1/4	145,838	1/4	153,978	1/4	163,978	1/4	173,978	1/4	183,978	1/4	193,978
1/2	104,869	1/2	115,165	1/2	125,460	1/2	135,756	1/2	146,052	1/2	153,978	1/2	163,978	1/2	173,978	1/2	183,978	1/2	193,978
3/4	105,083	3/4	115,379	3/4	125,675	3/4	135,971	3/4	146,267	3/4	153,978	3/4	163,978	3/4	173,978	3/4	183,978	3/4	193,978
1	105,298	1	115,594	1	125,889	1	136,185	1	146,481	1	153,978	1	163,978	1	173,978	1	183,978	1	193,978
1/4	105,512	1/4	115,808	1/4	126,104	1/4	136,400	1/4	146,696	1/4	153,978	1/4	163,978	1/4	173,978	1/4	183,978	1/4	193,978
1/2	105,727	1/2	116,023	1/2	126,318	1/2	136,614	1/2	146,910	1/2	153,978	1/2	163,978	1/2	173,978	1/2	183,978	1/2	193,978
3/4	105,941	3/4	116,237	3/4	126,533	3/4	136,829	3/4	147,125	3/4	153,978	3/4	163,978	3/4	173,978	3/4	183,978	3/4	193,978
1	106,156	1	116,452	1	126,747	1	137,043	1	147,339	1	153,978	1	163,978	1	173,978	1	183,978	1	193,978
1/4	106,370	1/4	116,666	1/4	126,962	1/4	137,258	1/4	147,554	1/4	153,978	1/4	163,978	1/4	173,978	1/4	183,978	1/4	193,978
1/2	106,585	1/2	116,881	1/2	127,176	1/2	137,472	1/2	147,768	1/2	153,978	1/2	163,978	1/2	173,978	1/2	183,978	1/2	193,978
3/4	106,799	3/4	117,095	3/4	127,391	3/4	137,687	3/4	147,983	3/4	153,978	3/4	163,978	3/4	173,978	3/4	183,978	3/4	193,978
1	107,014	1	117,310	1	127,605	1	137,901	1	148,197	1	153,978	1	163,978	1	173,978	1	183,978	1	193,978
1/4	107,228	1/4	117,524	1/4	127,820	1/4	138,116	1/4	148,412	1/4	153,978	1/4	163,978	1/4	173,978	1/4	183,978	1/4	193,978
1/2	107,443	1/2	117,739	1/2	128,034	1/2	138,330	1/2	148,626	1/2	153,978	1/2	163,978	1/2	173,978	1/2	183,978	1/2	193,978
3/4	107,657	3/4	117,953	3/4	128,249	3/4	138,545	3/4	148,841	3/4	153,978	3/4	163,978	3/4	173,978	3/4	183,978	3/4	193,978
1	107,872	1	118,168	1	128,463	1	138,759	1	149,055	1	153,978	1	163,978	1	173,978	1	183,978	1	193,978
1/4	108,086	1/4	118,382	1/4	128,678	1/4	138,974	1/4	149,270	1/4	153,978	1/4	163,978	1/4	173,978	1/4	183,978	1/4	193,978
1/2	108,301	1/2	118,597	1/2	128,892	1/2	139,188	1/2	149,484	1/2	153,978	1/2	163,978	1/2	173,978	1/2	183,978	1/2	193,978
3/4	108,515	3/4	118,811	3/4	129,107	3/4	139,403	3/4	149,699	3/4	153,978	3/4	163,978	3/4	173,978	3/4	183,978	3/4	193,978
1	108,730	1	119,026	1	129,321	1	139,617	1	149,913	1	153,978	1	163,978	1	173,978	1	183,978	1	193,978
1/4	108,944	1/4	119,240	1/4	129,536	1/4	139,832	1/4	150,127	1/4	153,978	1/4	163,978	1/4	173,978	1/4	183,978	1/4	193,978
1/2	109,159	1/2	119,455	1/2	129,750	1/2	140,046	1/2	150,342	1/2	153,978	1/2	163,978	1/2	173,978	1/2	183,978	1/2	193,978
3/4	109,373	3/4	119,669	3/4	129,965	3/4	140,261	3/4	150,556	3/4	153,978	3/4	163,978	3/4	173,978	3/4	183,978	3/4	193,978
1	109,588	1	119,884	1	130,179	1	140,475	1	150,771	1	153,978	1	163,978	1	173,978	1	183,978	1	193,978
1/4	109,802	1/4	120,098	1/4	130,394	1/4	140,690	1/4	150,986	1/4	153,978	1/4	163,978	1/4	173,978	1/4	183,978	1/4	193,978
1/2	110,017	1/2	120,313	1/2	130,608	1/2	140,904	1/2	151,199	1/2	153,978	1/2	163,978	1/2	173,978	1/2	183,978	1/2	193,978
3/4	110,231	3/4	120,527	3/4	130,823	3/4	141,119	3/4	151,413	3/4	153,978	3/4	163,978	3/4	173,978	3/4	183,978	3/4	193,978
1	110,446	1	120,742	1	131,037	1	141,333	1	151,627	1	153,978	1	163,978	1	173,978	1	183,978	1	193,978
1/4	110,660	1/4	120,956	1/4	131,252	1/4	141,548	1/4	151,838	1/4	153,978	1/4	163,978	1/4	173,978	1/4	183,978	1/4	193,978
1/2	110,875	1/2	121,171	1/2	131,466	1/2	141,762	1/2	152,049	1/2	153,978	1/2	163,978	1/2	173,978	1/2	183,978	1/2	193,978
3/4	111,089	3/4	121,385	3/4	131,681	3/4	141,977	3/4	152,260	3/4	153,978	3/4	163,978	3/4	173,978	3/4	183,978	3/4	193,978
1	111,304	1	121,600	1	131,895	1	142,191	1	152,472	1	153,978	1	163,978	1	173,978	1	183,978	1	193,978
1/4	111,518	1/4	121,814	1/4	132,110	1/4	142,406	1/4	152,661	1/4	153,978	1/4	163,978	1/4	173,978	1/4	183,978	1/4	193,978
1/2	111,733	1/2	122,029	1/2	132,324	1/2	142,620	1/2	152,850	1/2	153,978	1/2	163,978	1/2	173,978	1/2	183,978	1/2	193,978
3/4	111,947	3/4	122,243	3/4	132,539	3/4	142,835	3/4	153,039	3/4	153,978	3/4	163,978	3/4	173,978	3/4	183,978	3/4	193,978

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2019 CL
 CALCULATED: 09/10/2019 CL
 PRINTED: 09/10/2019 SW
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 09/2019

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77668
<http://www.pimacorp.net>



BARGE "IB 1310"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	74	0	9,511	0	19,865	0	30,195	0	40,537	0	50,891	0	61,246	0	71,600	0	81,954	0	92,308
1/4	139	1/4	9,727	1/4	20,081	1/4	30,410	1/4	40,753	1/4	51,107	1/4	61,461	1/4	71,816	1/4	82,170	1/4	92,524
1/2	203	1/2	9,943	1/2	20,297	1/2	30,626	1/2	40,968	1/2	51,322	1/2	61,677	1/2	72,031	1/2	82,386	1/2	92,740
3/4	268	3/4	10,169	3/4	20,512	3/4	30,839	3/4	41,184	3/4	51,538	3/4	61,893	3/4	72,247	3/4	82,601	3/4	92,956
1	333	1	10,374	1	20,728	1	31,054	1	41,400	1	51,754	1	62,108	1	72,463	1	82,817	1	93,171
1 1/4	481	1 1/4	10,590	1 1/4	20,944	1 1/4	31,269	1 1/4	41,616	1 1/4	51,970	1 1/4	62,324	1 1/4	72,678	1 1/4	83,033	1 1/4	93,387
1 1/2	629	1 1/2	10,806	1 1/2	21,160	1 1/2	31,484	1 1/2	41,831	1 1/2	52,186	1 1/2	62,540	1 1/2	72,894	1 1/2	83,248	1 1/2	93,603
3/4	777	3/4	11,021	3/4	21,376	3/4	31,699	3/4	42,047	3/4	52,401	3/4	62,756	3/4	73,110	3/4	83,464	3/4	93,818
2	925	2	11,237	2	21,591	2	31,913	2	42,263	2	52,617	2	62,971	2	73,326	2	83,680	2	94,034
1 1/4	1,131	1 1/4	11,453	1 1/4	21,807	1 1/4	32,128	1 1/4	42,478	1 1/4	52,833	1 1/4	63,187	1 1/4	73,541	1 1/4	83,896	1 1/4	94,250
1 1/2	1,337	1 1/2	11,669	1 1/2	22,022	1 1/2	32,343	1 1/2	42,694	1 1/2	53,048	1 1/2	63,403	1 1/2	73,757	1 1/2	84,111	1 1/2	94,466
3/4	1,544	3/4	11,884	3/4	22,238	3/4	32,558	3/4	42,910	3/4	53,264	3/4	63,518	3/4	73,973	3/4	84,327	3/4	94,681
3	1,750	3	12,100	3	22,454	3	32,773	3	43,126	3	53,480	3	63,834	3	74,188	3	84,543	3	94,897
1 1/4	1,955	1 1/4	12,316	1 1/4	22,670	1 1/4	32,989	1 1/4	43,341	1 1/4	53,696	1 1/4	64,050	1 1/4	74,404	1 1/4	84,758	1 1/4	95,113
1 1/2	2,161	1 1/2	12,531	1 1/2	22,886	1 1/2	33,204	1 1/2	43,557	1 1/2	53,911	1 1/2	64,266	1 1/2	74,620	1 1/2	84,974	1 1/2	95,328
3/4	2,366	3/4	12,747	3/4	23,101	3/4	33,419	3/4	43,773	3/4	54,127	3/4	64,481	3/4	74,836	3/4	85,190	3/4	95,544
4	2,572	4	12,963	4	23,317	4	33,634	4	43,988	4	54,343	4	64,697	4	75,051	4	85,406	4	95,760
1 1/4	2,826	1 1/4	13,178	1 1/4	23,532	1 1/4	33,850	1 1/4	44,204	1 1/4	54,558	1 1/4	64,913	1 1/4	75,267	1 1/4	85,621	1 1/4	95,976
1 1/2	3,041	1 1/2	13,394	1 1/2	23,748	1 1/2	34,066	1 1/2	44,420	1 1/2	54,774	1 1/2	65,128	1 1/2	75,483	1 1/2	85,837	1 1/2	96,191
3/4	3,256	3/4	13,610	3/4	23,964	3/4	34,281	3/4	44,636	3/4	54,990	3/4	65,344	3/4	75,698	3/4	86,053	3/4	96,407
5	3,472	5	13,826	5	24,179	5	34,497	5	44,851	5	55,206	5	65,560	5	75,914	5	86,268	5	96,623
1 1/4	3,687	1 1/4	14,041	1 1/4	24,395	1 1/4	34,713	1 1/4	45,067	1 1/4	55,421	1 1/4	65,776	1 1/4	76,130	1 1/4	86,484	1 1/4	96,838
1 1/2	3,903	1 1/2	14,257	1 1/2	24,610	1 1/2	34,928	1 1/2	45,283	1 1/2	55,637	1 1/2	65,991	1 1/2	76,346	1 1/2	86,700	1 1/2	97,054
3/4	4,119	3/4	14,473	3/4	24,826	3/4	35,144	3/4	45,498	3/4	55,853	3/4	66,207	3/4	76,561	3/4	86,916	3/4	97,270
6	4,335	6	14,688	6	25,041	6	35,360	6	45,714	6	56,068	6	66,423	6	76,777	6	87,131	6	97,486
1 1/4	4,550	1 1/4	14,904	1 1/4	25,256	1 1/4	35,576	1 1/4	45,930	1 1/4	56,284	1 1/4	66,638	1 1/4	76,993	1 1/4	87,347	1 1/4	97,701
1 1/2	4,766	1 1/2	15,120	1 1/2	25,471	1 1/2	35,791	1 1/2	46,146	1 1/2	56,500	1 1/2	66,854	1 1/2	77,208	1 1/2	87,563	1 1/2	97,917
3/4	4,982	3/4	15,336	3/4	25,686	3/4	36,007	3/4	46,361	3/4	56,716	3/4	67,070	3/4	77,424	3/4	87,778	3/4	98,133
7	5,197	7	15,551	7	25,900	7	36,223	7	46,577	7	56,931	7	67,286	7	77,640	7	87,994	7	98,348
1 1/4	5,413	1 1/4	15,767	1 1/4	26,115	1 1/4	36,438	1 1/4	46,793	1 1/4	57,147	1 1/4	67,501	1 1/4	77,856	1 1/4	88,210	1 1/4	98,564
1 1/2	5,629	1 1/2	15,983	1 1/2	26,330	1 1/2	36,654	1 1/2	47,008	1 1/2	57,363	1 1/2	67,717	1 1/2	78,071	1 1/2	88,426	1 1/2	98,780
3/4	5,845	3/4	16,198	3/4	26,546	3/4	36,870	3/4	47,224	3/4	57,578	3/4	67,933	3/4	78,287	3/4	88,641	3/4	98,996
8	6,060	8	16,414	8	26,759	8	37,086	8	47,440	8	57,794	8	68,148	8	78,503	8	88,857	8	99,211
1 1/4	6,276	1 1/4	16,630	1 1/4	26,974	1 1/4	37,301	1 1/4	47,656	1 1/4	58,010	1 1/4	68,364	1 1/4	78,718	1 1/4	89,073	1 1/4	99,427
1 1/2	6,492	1 1/2	16,845	1 1/2	27,189	1 1/2	37,517	1 1/2	47,871	1 1/2	58,226	1 1/2	68,580	1 1/2	78,934	1 1/2	89,288	1 1/2	99,643
3/4	6,707	3/4	17,061	3/4	27,403	3/4	37,733	3/4	48,087	3/4	58,441	3/4	68,796	3/4	79,160	3/4	89,504	3/4	99,858
9	6,923	9	17,277	9	27,618	9	37,948	9	48,303	9	58,657	9	69,011	9	79,366	9	89,720	9	100,074
1 1/4	7,139	1 1/4	17,493	1 1/4	27,833	1 1/4	38,164	1 1/4	48,518	1 1/4	58,873	1 1/4	69,227	1 1/4	79,581	1 1/4	89,936	1 1/4	100,290
1 1/2	7,354	1 1/2	17,708	1 1/2	28,048	1 1/2	38,380	1 1/2	48,734	1 1/2	59,088	1 1/2	69,443	1 1/2	79,797	1 1/2	90,151	1 1/2	100,506
3/4	7,570	3/4	17,924	3/4	28,262	3/4	38,596	3/4	48,950	3/4	59,304	3/4	69,658	3/4	80,013	3/4	90,367	3/4	100,721
10	7,786	10	18,140	10	28,477	10	38,811	10	49,166	10	59,520	10	69,874	10	80,228	10	90,583	10	100,937
1 1/4	8,002	1 1/4	18,355	1 1/4	28,692	1 1/4	39,027	1 1/4	49,381	1 1/4	59,736	1 1/4	70,090	1 1/4	80,444	1 1/4	90,798	1 1/4	101,153
1 1/2	8,217	1 1/2	18,571	1 1/2	28,907	1 1/2	39,243	1 1/2	49,595	1 1/2	59,951	1 1/2	70,306	1 1/2	80,660	1 1/2	91,014	1 1/2	101,368
3/4	8,433	3/4	18,787	3/4	29,121	3/4	39,458	3/4	49,813	3/4	60,167	3/4	70,521	3/4	80,876	3/4	91,230	3/4	101,584
11	8,649	11	19,003	11	29,336	11	39,674	11	50,028	11	60,383	11	70,737	11	81,091	11	91,446	11	101,800
1 1/4	8,864	1 1/4	19,218	1 1/4	29,551	1 1/4	39,890	1 1/4	50,244	1 1/4	60,598	1 1/4	70,953	1 1/4	81,307	1 1/4	91,661	1 1/4	102,016
1 1/2	9,080	1 1/2	19,434	1 1/2	29,766	1 1/2	40,106	1 1/2	50,460	1 1/2	60,814	1 1/2	71,168	1 1/2	81,523	1 1/2	91,877	1 1/2	102,231
3/4	9,296	3/4	19,650	3/4	29,980	3/4	40,321	3/4	50,676	3/4	61,030	3/4	71,384	3/4	81,738	3/4	92,093	3/4	102,447

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPIMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "IB 1310"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/2"

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	102,663	0	113,017	0	123,371	0	133,726	0	144,080	0	154,316	0	0	0	0	0	0	0	0
1/4	102,878	1/4	113,233	1/4	123,587	1/4	133,941	1/4	144,296	1/4	154,442	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	103,094	1/2	113,448	1/2	123,803	1/2	134,157	1/2	144,511	1/2	154,658	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	103,310	3/4	113,664	3/4	124,018	3/4	134,373	3/4	144,727	3/4	154,874	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	103,526	1	113,880	1	124,234	1	134,588	1	144,941	1	154,819	1	1	1	1	1	1	1	1
1/4	103,741	1/4	114,096	1/4	124,450	1/4	134,804	1/4	145,153	1/4	154,878	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	103,957	1/2	114,311	1/2	124,666	1/2	135,020	1/2	145,374	1/2	154,936	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	104,173	3/4	114,527	3/4	124,881	3/4	135,236	3/4	145,590	3/4	154,995	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	104,388	2	114,743	2	125,097	2	135,451	2	145,806	2	155,053	2	2	2	2	2	2	2	2
1/4	104,604	1/4	114,958	1/4	125,313	1/4	135,667	1/4	146,021	1/4	155,071	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	104,820	1/2	115,174	1/2	125,528	1/2	135,883	1/2	146,237	1/2	155,071	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,036	3/4	115,390	3/4	125,744	3/4	136,098	3/4	146,453	3/4	154,936	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	105,251	3	115,606	3	125,960	3	136,314	3	146,668	3	154,819	3	3	3	3	3	3	3	3
1/4	105,467	1/4	115,821	1/4	126,176	1/4	136,530	1/4	146,884	1/4	154,700	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,683	1/2	116,037	1/2	126,391	1/2	136,746	1/2	147,100	1/2	154,581	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,898	3/4	116,253	3/4	126,607	3/4	136,961	3/4	147,316	3/4	154,462	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	106,114	4	116,468	4	126,823	4	137,177	4	147,531	4	154,343	4	4	4	4	4	4	4	4
1/4	106,330	1/4	116,684	1/4	127,038	1/4	137,393	1/4	147,747	1/4	154,224	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,546	1/2	116,900	1/2	127,254	1/2	137,608	1/2	147,963	1/2	154,105	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,761	3/4	117,116	3/4	127,470	3/4	137,824	3/4	148,178	3/4	153,986	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	106,977	5	117,331	5	127,686	5	138,040	5	148,394	5	153,867	5	5	5	5	5	5	5	5
1/4	107,193	1/4	117,547	1/4	127,901	1/4	138,256	1/4	148,610	1/4	153,748	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,408	1/2	117,763	1/2	128,117	1/2	138,471	1/2	148,826	1/2	153,629	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,624	3/4	117,978	3/4	128,333	3/4	138,687	3/4	149,041	3/4	153,510	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	107,840	6	118,194	6	128,548	6	138,903	6	149,257	6	153,391	6	6	6	6	6	6	6	6
1/4	108,056	1/4	118,410	1/4	128,764	1/4	139,118	1/4	149,473	1/4	153,272	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,271	1/2	118,626	1/2	128,980	1/2	139,334	1/2	149,688	1/2	153,153	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,487	3/4	118,841	3/4	129,196	3/4	139,550	3/4	149,904	3/4	153,034	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	108,703	7	119,057	7	129,411	7	139,766	7	150,120	7	152,915	7	7	7	7	7	7	7	7
1/4	108,918	1/4	119,273	1/4	129,627	1/4	139,981	1/4	150,336	1/4	152,796	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,134	1/2	119,488	1/2	129,843	1/2	140,197	1/2	150,551	1/2	152,677	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,350	3/4	119,704	3/4	130,058	3/4	140,413	3/4	150,767	3/4	152,558	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	109,566	8	119,920	8	130,274	8	140,628	8	150,983	8	152,439	8	8	8	8	8	8	8	8
1/4	109,781	1/4	120,136	1/4	130,490	1/4	140,844	1/4	151,198	1/4	152,320	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,997	1/2	120,351	1/2	130,706	1/2	141,060	1/2	151,414	1/2	152,201	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,213	3/4	120,567	3/4	130,921	3/4	141,276	3/4	151,630	3/4	152,082	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	110,428	9	120,783	9	131,137	9	141,491	9	151,845	9	151,963	9	9	9	9	9	9	9	9
1/4	110,644	1/4	120,998	1/4	131,353	1/4	141,707	1/4	152,061	1/4	151,844	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,860	1/2	121,214	1/2	131,568	1/2	141,923	1/2	152,276	1/2	151,725	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,076	3/4	121,430	3/4	131,784	3/4	142,138	3/4	152,491	3/4	151,606	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	111,291	10	121,646	10	132,000	10	142,354	10	152,706	10	151,487	10	10	10	10	10	10	10	10
1/4	111,507	1/4	121,861	1/4	132,216	1/4	142,570	1/4	152,919	1/4	151,368	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,723	1/2	122,077	1/2	132,431	1/2	142,786	1/2	153,131	1/2	151,249	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,938	3/4	122,293	3/4	132,647	3/4	143,001	3/4	153,344	3/4	151,130	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	112,154	11	122,508	11	132,863	11	143,217	11	153,558	11	151,011	11	11	11	11	11	11	11	11
1/4	112,370	1/4	122,724	1/4	133,078	1/4	143,433	1/4	153,746	1/4	150,892	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,586	1/2	122,940	1/2	133,294	1/2	143,648	1/2	153,936	1/2	150,773	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,801	3/4	123,156	3/4	133,510	3/4	143,864	3/4	154,126	3/4	150,654	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2019 CL
CALCULATED: 08/10/2019 CL
PRINTED: 09/16/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

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