



BARGE "IB 1063"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 163'-00"

August 28, 2013

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

<http://www.pmacorp.net>



BARGE "IB 1063"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	235	0	11,431	0	23,892	0	36,190	0	48,554	0	61,007	0	73,444	0	85,905	0	98,365	0	110,824
1/4	311	1/4	11,691	1/4	24,152	1/4	36,443	1/4	48,813	1/4	61,266	1/4	73,704	1/4	86,164	1/4	98,624	1/4	111,084
1/2	387	1/2	11,950	1/2	24,411	1/2	36,696	1/2	49,072	1/2	61,525	1/2	73,963	1/2	86,424	1/2	98,884	1/2	111,344
3/4	463	3/4	12,210	3/4	24,671	3/4	36,949	3/4	49,332	3/4	61,784	3/4	74,223	3/4	86,683	3/4	99,143	3/4	111,603
1	538	1	12,470	1	24,931	1	37,203	1	49,591	1	62,043	1	74,483	1	86,943	1	99,403	1	111,863
1/4	701	1/4	12,729	1/4	25,190	1/4	37,456	1/4	49,851	1/4	62,302	1/4	74,742	1/4	87,202	1/4	99,662	1/4	112,122
1/2	863	1/2	12,989	1/2	25,450	1/2	37,709	1/2	50,110	1/2	62,561	1/2	75,002	1/2	87,462	1/2	99,922	1/2	112,382
3/4	1,026	3/4	13,249	3/4	25,709	3/4	37,962	3/4	50,370	3/4	62,820	3/4	75,261	3/4	87,722	3/4	100,181	3/4	112,641
2	1,188	2	13,508	2	25,969	2	38,216	2	50,629	2	63,079	2	75,521	2	87,981	2	100,441	2	112,901
1/4	1,419	1/4	13,768	1/4	26,229	1/4	38,469	1/4	50,889	1/4	63,338	1/4	75,780	1/4	88,241	1/4	100,701	1/4	113,161
1/2	1,650	1/2	14,027	1/2	26,488	1/2	38,722	1/2	51,148	1/2	63,597	1/2	76,040	1/2	88,500	1/2	100,960	1/2	113,420
3/4	1,880	3/4	14,287	3/4	26,748	3/4	38,975	3/4	51,408	3/4	63,856	3/4	76,300	3/4	88,760	3/4	101,220	3/4	113,680
3	2,111	3	14,547	3	27,007	3	39,228	3	51,667	3	64,115	3	76,559	3	89,020	3	101,479	3	113,939
1/4	2,367	1/4	14,806	1/4	27,267	1/4	39,484	1/4	51,927	1/4	64,374	1/4	76,819	1/4	89,279	1/4	101,739	1/4	114,199
1/2	2,622	1/2	15,066	1/2	27,527	1/2	39,740	1/2	52,186	1/2	64,633	1/2	77,078	1/2	89,539	1/2	101,998	1/2	114,459
3/4	2,878	3/4	15,325	3/4	27,786	3/4	39,995	3/4	52,445	3/4	64,892	3/4	77,338	3/4	89,798	3/4	102,258	3/4	114,718
4	3,134	4	15,585	4	28,046	4	40,251	4	52,705	4	65,151	4	77,598	4	90,058	4	102,518	4	114,978
1/4	3,391	1/4	15,845	1/4	28,305	1/4	40,510	1/4	52,964	1/4	65,410	1/4	77,857	1/4	90,318	1/4	102,777	1/4	115,237
1/2	3,649	1/2	16,104	1/2	28,565	1/2	40,770	1/2	53,224	1/2	65,669	1/2	78,117	1/2	90,577	1/2	103,037	1/2	115,497
3/4	3,906	3/4	16,364	3/4	28,825	3/4	41,029	3/4	53,483	3/4	65,928	3/4	78,376	3/4	90,837	3/4	103,296	3/4	115,757
5	4,164	5	16,623	5	29,084	5	41,289	5	53,743	5	66,187	5	78,636	5	91,096	5	103,556	5	116,016
1/4	4,423	1/4	16,883	1/4	29,344	1/4	41,548	1/4	54,002	1/4	66,446	1/4	78,896	1/4	91,356	1/4	103,815	1/4	116,276
1/2	4,681	1/2	17,143	1/2	29,599	1/2	41,808	1/2	54,262	1/2	66,705	1/2	79,155	1/2	91,616	1/2	104,075	1/2	116,535
3/4	4,940	3/4	17,402	3/4	29,856	3/4	42,067	3/4	54,521	3/4	66,964	3/4	79,415	3/4	91,875	3/4	104,335	3/4	116,795
6	5,199	6	17,662	6	30,113	6	42,326	6	54,781	6	67,223	6	79,674	6	92,135	6	104,594	6	117,055
1/4	5,458	1/4	17,921	1/4	30,366	1/4	42,586	1/4	55,040	1/4	67,482	1/4	79,934	1/4	92,394	1/4	104,854	1/4	117,314
1/2	5,718	1/2	18,181	1/2	30,619	1/2	42,845	1/2	55,300	1/2	67,741	1/2	80,194	1/2	92,654	1/2	105,113	1/2	117,574
3/4	5,977	3/4	18,441	3/4	30,873	3/4	43,105	3/4	55,559	3/4	68,000	3/4	80,453	3/4	92,913	3/4	105,373	3/4	117,833
7	6,237	7	18,700	7	31,126	7	43,364	7	55,818	7	68,259	7	80,713	7	93,173	7	105,633	7	118,093
1/4	6,496	1/4	18,960	1/4	31,379	1/4	43,624	1/4	56,078	1/4	68,518	1/4	80,972	1/4	93,433	1/4	105,892	1/4	118,352
1/2	6,756	1/2	19,219	1/2	31,632	1/2	43,883	1/2	56,337	1/2	68,777	1/2	81,232	1/2	93,692	1/2	106,152	1/2	118,612
3/4	7,016	3/4	19,479	3/4	31,885	3/4	44,143	3/4	56,597	3/4	69,036	3/4	81,491	3/4	93,952	3/4	106,411	3/4	118,872
8	7,275	8	19,739	8	32,139	8	44,402	8	56,856	8	69,295	8	81,751	8	94,211	8	106,671	8	119,131
1/4	7,535	1/4	19,998	1/4	32,392	1/4	44,662	1/4	57,116	1/4	69,554	1/4	82,011	1/4	94,471	1/4	106,930	1/4	119,391
1/2	7,795	1/2	20,258	1/2	32,645	1/2	44,921	1/2	57,375	1/2	69,813	1/2	82,270	1/2	94,731	1/2	107,190	1/2	119,650
3/4	8,055	3/4	20,517	3/4	32,898	3/4	45,181	3/4	57,635	3/4	70,072	3/4	82,530	3/4	94,990	3/4	107,450	3/4	119,910
9	8,314	9	20,777	9	33,151	9	45,440	9	57,894	9	70,331	9	82,789	9	95,250	9	107,709	9	120,170
1/4	8,574	1/4	21,037	1/4	33,405	1/4	45,699	1/4	58,154	1/4	70,590	1/4	83,049	1/4	95,509	1/4	107,969	1/4	120,415
1/2	8,834	1/2	21,296	1/2	33,658	1/2	45,959	1/2	58,413	1/2	70,849	1/2	83,309	1/2	95,769	1/2	108,228	1/2	120,660
3/4	9,094	3/4	21,556	3/4	33,911	3/4	46,218	3/4	58,673	3/4	71,108	3/4	83,568	3/4	96,028	3/4	108,488	3/4	120,905
10	9,354	10	21,815	10	34,164	10	46,478	10	58,932	10	71,367	10	83,828	10	96,288	10	108,748	10	121,151
1/4	9,614	1/4	22,075	1/4	34,417	1/4	46,737	1/4	59,191	1/4	71,627	1/4	84,087	1/4	96,548	1/4	109,007	1/4	121,372
1/2	9,873	1/2	22,335	1/2	34,671	1/2	46,997	1/2	59,451	1/2	71,887	1/2	84,347	1/2	96,807	1/2	109,267	1/2	121,594
3/4	10,133	3/4	22,594	3/4	34,924	3/4	47,256	3/4	59,710	3/4	72,146	3/4	84,607	3/4	97,067	3/4	109,526	3/4	121,816
11	10,393	11	22,854	11	35,177	11	47,516	11	59,970	11	72,406	11	84,866	11	97,326	11	109,786	11	122,037
1/4	10,652	1/4	23,113	1/4	35,430	1/4	47,775	1/4	60,229	1/4	72,665	1/4	85,126	1/4	97,586	1/4	110,046	1/4	122,259
1/2	10,912	1/2	23,373	1/2	35,683	1/2	48,035	1/2	60,488	1/2	72,925	1/2	85,385	1/2	97,845	1/2	110,305	1/2	122,481
3/4	11,172	3/4	23,633	3/4	35,937	3/4	48,294	3/4	60,748	3/4	73,185	3/4	85,645	3/4	98,105	3/4	110,565	3/4	122,703

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

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

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "IB 1063"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06 1/4"

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	122,925	0	133,578	0	144,231	0	154,884	0		0		0		0		0		0	
1/4	123,147	1/4	133,800	1/4	144,453	1/4	155,106	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	123,369	1/2	134,022	1/2	144,675	1/2	155,328	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	123,591	3/4	134,244	3/4	144,897	3/4	155,550	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	123,813	1	134,466	1	145,119	1	155,771	1	1	1	1	1	1	1	1	1	1	1	1
1/4	124,035	1/4	134,688	1/4	145,341	1/4	155,993	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	124,257	1/2	134,910	1/2	145,563	1/2	156,214	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	124,479	3/4	135,132	3/4	145,785	3/4	156,435	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	124,700	2	135,354	2	146,007	2	156,657	2	2	2	2	2	2	2	2	2	2	2	2
1/4	124,922	1/4	135,575	1/4	146,229	1/4	156,873	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	125,144	1/2	135,797	1/2	146,450	1/2	157,090	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	125,366	3/4	136,019	3/4	146,672	3/4	157,307	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	125,588	3	136,241	3	146,894	3	157,523	3	3	3	3	3	3	3	3	3	3	3	3
1/4	125,810	1/4	136,463	1/4	147,116	1/4	157,705	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,032	1/2	136,685	1/2	147,338	1/2	157,887	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	126,254	3/4	136,907	3/4	147,560	3/4	158,069	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	126,476	4	137,129	4	147,782	4	158,250	4	4	4	4	4	4	4	4	4	4	4	4
1/4	126,698	1/4	137,351	1/4	148,004	1/4	158,353	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	126,920	1/2	137,573	1/2	148,226	1/2	158,456	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	127,142	3/4	137,795	3/4	148,448	3/4	158,558	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	127,364	5	138,017	5	148,670	5	158,661	5	5	5	5	5	5	5	5	5	5	5	5
1/4	127,586	1/4	138,239	1/4	148,892	1/4	158,700	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	127,808	1/2	138,461	1/2	149,114	1/2	158,738	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,030	3/4	138,683	3/4	149,336	3/4	158,777	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	128,251	6	138,905	6	149,558	6	158,815	6	6	6	6	6	6	6	6	6	6	6	6
1/4	128,473	1/4	139,126	1/4	149,780	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	128,695	1/2	139,348	1/2	150,001	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	128,917	3/4	139,570	3/4	150,223	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	129,139	7	139,792	7	150,445	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	129,361	1/4	140,014	1/4	150,667	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	129,583	1/2	140,236	1/2	150,889	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	129,805	3/4	140,458	3/4	151,111	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	130,027	8	140,680	8	151,333	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	130,249	1/4	140,902	1/4	151,555	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	130,471	1/2	141,124	1/2	151,777	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	130,693	3/4	141,346	3/4	151,999	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	130,915	9	141,568	9	152,221	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	131,137	1/4	141,790	1/4	152,443	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	131,359	1/2	142,012	1/2	152,665	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	131,581	3/4	142,234	3/4	152,887	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	131,803	10	142,456	10	153,109	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	132,024	1/4	142,678	1/4	153,331	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	132,246	1/2	142,899	1/2	153,553	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	132,468	3/4	143,121	3/4	153,774	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	132,690	11	143,343	11	153,996	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	132,912	1/4	143,565	1/4	154,218	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	133,134	1/2	143,787	1/2	154,440	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	133,356	3/4	144,009	3/4	154,662	3/4		3/4	3/4	3/4	3/4	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: 08/28/2013 SW
CALCULATED: 08/28/2013 CL
PRINTED: 08/28/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2013

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



BARGE "IB 1063"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

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	84	0	10,017	0	21,086	0	31,995	0	42,973	0	54,043	0	65,113	0	76,182	0	87,252	0	98,322
1/4	151	1/4	10,247	1/4	21,317	1/4	32,219	1/4	43,204	1/4	54,274	1/4	65,343	1/4	76,413	1/4	87,483	1/4	98,552
1/2	218	1/2	10,478	1/2	21,547	1/2	32,443	1/2	43,434	1/2	54,504	1/2	65,574	1/2	76,644	1/2	87,713	1/2	98,783
3/4	286	3/4	10,709	3/4	21,778	3/4	32,668	3/4	43,665	3/4	54,735	3/4	65,805	3/4	76,874	3/4	87,944	3/4	99,014
1	353	1	10,939	1	22,009	1	32,892	1	43,896	1	54,965	1	66,035	1	77,105	1	88,175	1	99,244
1/4	497	1/4	11,170	1/4	22,239	1/4	33,116	1/4	44,126	1/4	55,196	1/4	66,266	1/4	77,336	1/4	88,405	1/4	99,475
1/2	641	1/2	11,401	1/2	22,470	1/2	33,340	1/2	44,357	1/2	55,427	1/2	66,496	1/2	77,566	1/2	88,636	1/2	99,706
3/4	785	3/4	11,631	3/4	22,700	3/4	33,565	3/4	44,588	3/4	55,657	3/4	66,727	3/4	77,797	3/4	88,866	3/4	99,936
2	929	2	11,862	2	22,931	2	33,789	2	44,818	2	55,888	2	66,958	2	78,027	2	89,097	2	100,167
1/4	1,134	1/4	12,092	1/4	23,162	1/4	34,013	1/4	45,049	1/4	56,119	1/4	67,188	1/4	78,258	1/4	89,328	1/4	100,397
1/2	1,338	1/2	12,323	1/2	23,392	1/2	34,238	1/2	45,279	1/2	56,349	1/2	67,419	1/2	78,489	1/2	89,558	1/2	100,628
3/4	1,543	3/4	12,554	3/4	23,623	3/4	34,462	3/4	45,510	3/4	56,580	3/4	67,650	3/4	78,719	3/4	89,789	3/4	100,859
3	1,747	3	12,784	3	23,853	3	34,687	3	45,741	3	56,810	3	67,880	3	78,950	3	90,020	3	101,089
1/4	1,974	1/4	13,015	1/4	24,084	1/4	34,913	1/4	45,971	1/4	57,041	1/4	68,111	1/4	79,180	1/4	90,250	1/4	101,320
1/2	2,201	1/2	13,245	1/2	24,315	1/2	35,140	1/2	46,202	1/2	57,272	1/2	68,341	1/2	79,411	1/2	90,481	1/2	101,551
3/4	2,427	3/4	13,476	3/4	24,545	3/4	35,367	3/4	46,433	3/4	57,502	3/4	68,572	3/4	79,642	3/4	90,711	3/4	101,781
4	2,654	4	13,707	4	24,776	4	35,593	4	46,663	4	57,733	4	68,803	4	79,872	4	90,942	4	102,012
1/4	2,882	1/4	13,937	1/4	25,007	1/4	35,824	1/4	46,894	1/4	57,964	1/4	69,033	1/4	80,103	1/4	91,173	1/4	102,242
1/2	3,111	1/2	14,168	1/2	25,237	1/2	36,055	1/2	47,124	1/2	58,194	1/2	69,264	1/2	80,334	1/2	91,403	1/2	102,473
3/4	3,339	3/4	14,398	3/4	25,468	3/4	36,285	3/4	47,355	3/4	58,425	3/4	69,494	3/4	80,564	3/4	91,634	3/4	102,704
5	3,567	5	14,629	5	25,698	5	36,516	5	47,586	5	58,655	5	69,725	5	80,795	5	91,865	5	102,934
1/4	3,797	1/4	14,860	1/4	25,927	1/4	36,747	1/4	47,816	1/4	58,886	1/4	69,956	1/4	81,025	1/4	92,095	1/4	103,165
1/2	4,026	1/2	15,090	1/2	26,155	1/2	36,977	1/2	48,047	1/2	59,117	1/2	70,186	1/2	81,256	1/2	92,326	1/2	103,396
3/4	4,256	3/4	15,321	3/4	26,383	3/4	37,208	3/4	48,277	3/4	59,347	3/4	70,417	3/4	81,487	3/4	92,556	3/4	103,626
6	4,485	6	15,551	6	26,611	6	37,438	6	48,508	6	59,578	6	70,648	6	81,717	6	92,787	6	103,857
1/4	4,715	1/4	15,782	1/4	26,836	1/4	37,669	1/4	48,739	1/4	59,808	1/4	70,878	1/4	81,948	1/4	93,018	1/4	104,087
1/2	4,945	1/2	16,013	1/2	27,060	1/2	37,900	1/2	48,969	1/2	60,039	1/2	71,109	1/2	82,179	1/2	93,248	1/2	104,318
3/4	5,175	3/4	16,243	3/4	27,284	3/4	38,130	3/4	49,200	3/4	60,270	3/4	71,339	3/4	82,409	3/4	93,479	3/4	104,549
7	5,406	7	16,474	7	27,509	7	38,361	7	49,431	7	60,500	7	71,570	7	82,640	7	93,709	7	104,779
1/4	5,636	1/4	16,705	1/4	27,733	1/4	38,591	1/4	49,661	1/4	60,731	1/4	71,801	1/4	82,870	1/4	93,940	1/4	105,010
1/2	5,866	1/2	16,935	1/2	27,957	1/2	38,822	1/2	49,892	1/2	60,962	1/2	72,031	1/2	83,101	1/2	94,171	1/2	105,240
3/4	6,097	3/4	17,166	3/4	28,181	3/4	39,053	3/4	50,122	3/4	61,192	3/4	72,262	3/4	83,332	3/4	94,401	3/4	105,471
8	6,327	8	17,396	8	28,406	8	39,283	8	50,353	8	61,423	8	72,493	8	83,562	8	94,632	8	105,702
1/4	6,558	1/4	17,627	1/4	28,630	1/4	39,514	1/4	50,584	1/4	61,653	1/4	72,723	1/4	83,793	1/4	94,863	1/4	105,932
1/2	6,788	1/2	17,858	1/2	28,854	1/2	39,745	1/2	50,814	1/2	61,884	1/2	72,954	1/2	84,023	1/2	95,093	1/2	106,163
3/4	7,019	3/4	18,088	3/4	29,079	3/4	39,975	3/4	51,045	3/4	62,115	3/4	73,184	3/4	84,254	3/4	95,324	3/4	106,394
9	7,250	9	18,319	9	29,303	9	40,206	9	51,276	9	62,345	9	73,415	9	84,485	9	95,554	9	106,624
1/4	7,480	1/4	18,549	1/4	29,527	1/4	40,436	1/4	51,506	1/4	62,576	1/4	73,646	1/4	84,715	1/4	95,785	1/4	106,855
1/2	7,711	1/2	18,780	1/2	29,752	1/2	40,667	1/2	51,737	1/2	62,807	1/2	73,876	1/2	84,946	1/2	96,016	1/2	107,085
3/4	7,941	3/4	19,011	3/4	29,976	3/4	40,898	3/4	51,967	3/4	63,037	3/4	74,107	3/4	85,177	3/4	96,246	3/4	107,316
10	8,172	10	19,241	10	30,200	10	41,128	10	52,198	10	63,268	10	74,337	10	85,407	10	96,477	10	107,547
1/4	8,403	1/4	19,472	1/4	30,424	1/4	41,359	1/4	52,429	1/4	63,498	1/4	74,568	1/4	85,638	1/4	96,708	1/4	107,777
1/2	8,633	1/2	19,702	1/2	30,649	1/2	41,590	1/2	52,659	1/2	63,729	1/2	74,799	1/2	85,868	1/2	96,938	1/2	108,008
3/4	8,864	3/4	19,933	3/4	30,873	3/4	41,820	3/4	52,890	3/4	63,960	3/4	75,029	3/4	86,099	3/4	97,169	3/4	108,239
11	9,094	11	20,164	11	31,097	11	42,051	11	53,120	11	64,190	11	75,260	11	86,330	11	97,399	11	108,469
1/4	9,325	1/4	20,394	1/4	31,322	1/4	42,281	1/4	53,351	1/4	64,421	1/4	75,491	1/4	86,560	1/4	97,630	1/4	108,700
1/2	9,556	1/2	20,625	1/2	31,546	1/2	42,512	1/2	53,582	1/2	64,651	1/2	75,721	1/2	86,791	1/2	97,861	1/2	108,930
3/4	9,786	3/4	20,856	3/4	31,770	3/4	42,743	3/4	53,812	3/4	64,882	3/4	75,952	3/4	87,022	3/4	98,091	3/4	109,161

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 24'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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BARGE "IB 1063"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-06"

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	109,392	0	120,461	0	131,531	0	142,601	0		0		0		0		0		0	
1/4	109,622	1/4	120,692	1/4	131,762	1/4	142,831	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,853	1/2	120,923	1/2	131,992	1/2	143,062	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,083	3/4	121,153	3/4	132,223	3/4	143,292	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	110,314	1	121,384	1	132,454	1	143,523	1	1	1	1	1	1	1	1	1	1	1	1
1/4	110,545	1/4	121,614	1/4	132,684	1/4	143,753	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,775	1/2	121,845	1/2	132,915	1/2	143,983	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,006	3/4	122,076	3/4	133,145	3/4	144,213	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	111,237	2	122,306	2	133,376	2	144,443	2	2	2	2	2	2	2	2	2	2	2	2
1/4	111,467	1/4	122,537	1/4	133,607	1/4	144,669	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,698	1/2	122,768	1/2	133,837	1/2	144,895	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,928	3/4	122,998	3/4	134,068	3/4	145,121	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	112,159	3	123,229	3	134,298	3	145,347	3	3	3	3	3	3	3	3	3	3	3	3
1/4	112,390	1/4	123,459	1/4	134,529	1/4	145,542	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,620	1/2	123,690	1/2	134,760	1/2	145,737	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,851	3/4	123,921	3/4	134,990	3/4	145,932	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	113,082	4	124,151	4	135,221	4	146,127	4	4	4	4	4	4	4	4	4	4	4	4
1/4	113,312	1/4	124,382	1/4	135,452	1/4	146,252	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,543	1/2	124,612	1/2	135,682	1/2	146,377	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,773	3/4	124,843	3/4	135,913	3/4	146,502	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	114,004	5	125,074	5	136,143	5	146,626	5	5	5	5	5	5	5	5	5	5	5	5
1/4	114,235	1/4	125,304	1/4	136,374	1/4	146,682	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,465	1/2	125,535	1/2	136,605	1/2	146,737	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,696	3/4	125,766	3/4	136,835	3/4	146,792	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	114,926	6	125,996	6	137,066	6	146,847	6	6	6	6	6	6	6	6	6	6	6	6
1/4	115,157	1/4	126,227	1/4	137,297	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	115,388	1/2	126,457	1/2	137,527	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	115,618	3/4	126,688	3/4	137,758	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	115,849	7	126,919	7	137,988	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	116,080	1/4	127,149	1/4	138,219	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	116,310	1/2	127,380	1/2	138,450	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	116,541	3/4	127,611	3/4	138,680	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	116,771	8	127,841	8	138,911	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	117,002	1/4	128,072	1/4	139,141	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,233	1/2	128,302	1/2	139,372	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	117,463	3/4	128,533	3/4	139,603	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	117,694	9	128,764	9	139,833	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	117,925	1/4	128,994	1/4	140,064	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,155	1/2	129,225	1/2	140,295	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,386	3/4	129,455	3/4	140,525	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	118,616	10	129,686	10	140,756	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	118,847	1/4	129,917	1/4	140,986	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,078	1/2	130,147	1/2	141,217	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,308	3/4	130,378	3/4	141,448	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	119,539	11	130,609	11	141,678	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	119,769	1/4	130,839	1/4	141,909	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120,000	1/2	131,070	1/2	142,140	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	120,231	3/4	131,300	3/4	142,370	3/4		3/4	3/4	3/4	3/4	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: 08/28/2013 SW
CALCULATED: 08/28/2013 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2013

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BARGE "IB 1063"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	84	0	9,944	0	20,933	0	31,910	0	42,893	0	53,883	0	64,872	0	75,861	0	86,850	0	97,839
1/4	150	1/4	10,173	1/4	21,162	1/4	32,139	1/4	43,122	1/4	54,111	1/4	65,101	1/4	76,090	1/4	87,079	1/4	98,068
1/2	217	1/2	10,402	1/2	21,391	1/2	32,367	1/2	43,351	1/2	54,340	1/2	65,330	1/2	76,319	1/2	87,308	1/2	98,297
3/4	284	3/4	10,631	3/4	21,620	3/4	32,596	3/4	43,580	3/4	54,569	3/4	65,559	3/4	76,548	3/4	87,537	3/4	98,526
1	351	1	10,860	1	21,849	1	32,824	1	43,809	1	54,798	1	65,787	1	76,777	1	87,766	1	98,755
1/4	494	1/4	11,089	1/4	22,078	1/4	33,053	1/4	44,038	1/4	55,027	1/4	66,016	1/4	77,006	1/4	87,995	1/4	98,984
1/2	637	1/2	11,318	1/2	22,307	1/2	33,281	1/2	44,267	1/2	55,256	1/2	66,245	1/2	77,235	1/2	88,224	1/2	99,213
3/4	780	3/4	11,547	3/4	22,535	3/4	33,510	3/4	44,496	3/4	55,485	3/4	66,474	3/4	77,463	3/4	88,453	3/4	99,442
2	922	2	11,776	2	22,764	2	33,738	2	44,725	2	55,714	2	66,703	2	77,692	2	88,682	2	99,671
1/4	1,126	1/4	12,005	1/4	22,993	1/4	33,967	1/4	44,954	1/4	55,943	1/4	66,932	1/4	77,921	1/4	88,911	1/4	99,900
1/2	1,329	1/2	12,234	1/2	23,222	1/2	34,195	1/2	45,183	1/2	56,172	1/2	67,161	1/2	78,150	1/2	89,139	1/2	100,129
3/4	1,532	3/4	12,462	3/4	23,451	3/4	34,424	3/4	45,412	3/4	56,401	3/4	67,390	3/4	78,379	3/4	89,368	3/4	100,358
3	1,735	3	12,691	3	23,680	3	34,652	3	45,641	3	56,630	3	67,619	3	78,608	3	89,597	3	100,587
1/4	1,960	1/4	12,920	1/4	23,909	1/4	34,881	1/4	45,870	1/4	56,859	1/4	67,848	1/4	78,837	1/4	89,826	1/4	100,815
1/2	2,185	1/2	13,149	1/2	24,138	1/2	35,110	1/2	46,099	1/2	57,088	1/2	68,077	1/2	79,066	1/2	90,055	1/2	101,044
3/4	2,410	3/4	13,378	3/4	24,367	3/4	35,339	3/4	46,327	3/4	57,317	3/4	68,306	3/4	79,295	3/4	90,284	3/4	101,273
4	2,635	4	13,607	4	24,596	4	35,567	4	46,556	4	57,546	4	68,535	4	79,524	4	90,513	4	101,502
1/4	2,862	1/4	13,836	1/4	24,825	1/4	35,796	1/4	46,785	1/4	57,775	1/4	68,764	1/4	79,753	1/4	90,742	1/4	101,731
1/2	3,088	1/2	14,065	1/2	25,054	1/2	36,025	1/2	47,014	1/2	58,003	1/2	68,993	1/2	79,982	1/2	90,971	1/2	101,960
3/4	3,315	3/4	14,294	3/4	25,283	3/4	36,254	3/4	47,243	3/4	58,232	3/4	69,222	3/4	80,211	3/4	91,200	3/4	102,189
5	3,542	5	14,523	5	25,512	5	36,483	5	47,472	5	58,461	5	69,451	5	80,440	5	91,429	5	102,418
1/4	3,769	1/4	14,752	1/4	25,740	1/4	36,712	1/4	47,701	1/4	58,690	1/4	69,679	1/4	80,669	1/4	91,658	1/4	102,647
1/2	3,997	1/2	14,981	1/2	25,969	1/2	36,941	1/2	47,930	1/2	58,919	1/2	69,908	1/2	80,898	1/2	91,887	1/2	102,876
3/4	4,225	3/4	15,210	3/4	26,198	3/4	37,170	3/4	48,159	3/4	59,148	3/4	70,137	3/4	81,127	3/4	92,116	3/4	103,105
6	4,453	6	15,439	6	26,427	6	37,399	6	48,388	6	59,377	6	70,366	6	81,355	6	92,345	6	103,334
1/4	4,681	1/4	15,667	1/4	26,655	1/4	37,628	1/4	48,617	1/4	59,606	1/4	70,595	1/4	81,584	1/4	92,574	1/4	103,563
1/2	4,910	1/2	15,896	1/2	26,884	1/2	37,857	1/2	48,846	1/2	59,835	1/2	70,824	1/2	81,813	1/2	92,803	1/2	103,792
3/4	5,138	3/4	16,125	3/4	27,112	3/4	38,086	3/4	49,075	3/4	60,064	3/4	71,053	3/4	82,042	3/4	93,031	3/4	104,021
7	5,366	7	16,354	7	27,341	7	38,315	7	49,304	7	60,293	7	71,282	7	82,271	7	93,260	7	104,250
1/4	5,595	1/4	16,583	1/4	27,569	1/4	38,543	1/4	49,533	1/4	60,522	1/4	71,511	1/4	82,500	1/4	93,489	1/4	104,479
1/2	5,824	1/2	16,812	1/2	27,798	1/2	38,772	1/2	49,762	1/2	60,751	1/2	71,740	1/2	82,729	1/2	93,718	1/2	104,707
3/4	6,053	3/4	17,041	3/4	28,026	3/4	39,001	3/4	49,991	3/4	60,980	3/4	71,969	3/4	82,958	3/4	93,947	3/4	104,936
8	6,281	8	17,270	8	28,255	8	39,230	8	50,219	8	61,209	8	72,198	8	83,187	8	94,176	8	105,165
1/4	6,510	1/4	17,499	1/4	28,483	1/4	39,459	1/4	50,448	1/4	61,438	1/4	72,427	1/4	83,416	1/4	94,405	1/4	105,394
1/2	6,739	1/2	17,728	1/2	28,711	1/2	39,688	1/2	50,677	1/2	61,667	1/2	72,656	1/2	83,645	1/2	94,634	1/2	105,623
3/4	6,968	3/4	17,957	3/4	28,940	3/4	39,917	3/4	50,906	3/4	61,895	3/4	72,885	3/4	83,874	3/4	94,863	3/4	105,852
9	7,197	9	18,186	9	29,168	9	40,146	9	51,135	9	62,124	9	73,114	9	84,103	9	95,092	9	106,081
1/4	7,426	1/4	18,415	1/4	29,397	1/4	40,375	1/4	51,364	1/4	62,353	1/4	73,343	1/4	84,332	1/4	95,321	1/4	106,310
1/2	7,655	1/2	18,644	1/2	29,625	1/2	40,604	1/2	51,593	1/2	62,582	1/2	73,571	1/2	84,561	1/2	95,550	1/2	106,539
3/4	7,884	3/4	18,873	3/4	29,854	3/4	40,833	3/4	51,822	3/4	62,811	3/4	73,800	3/4	84,790	3/4	95,779	3/4	106,768
10	8,113	10	19,101	10	30,082	10	41,062	10	52,051	10	63,040	10	74,029	10	85,019	10	96,008	10	106,997
1/4	8,342	1/4	19,330	1/4	30,311	1/4	41,291	1/4	52,280	1/4	63,269	1/4	74,258	1/4	85,247	1/4	96,237	1/4	107,226
1/2	8,571	1/2	19,559	1/2	30,539	1/2	41,520	1/2	52,509	1/2	63,498	1/2	74,487	1/2	85,476	1/2	96,466	1/2	107,455
3/4	8,800	3/4	19,788	3/4	30,768	3/4	41,749	3/4	52,738	3/4	63,727	3/4	74,716	3/4	85,705	3/4	96,695	3/4	107,684
11	9,028	11	20,017	11	30,996	11	41,978	11	52,967	11	63,956	11	74,945	11	85,934	11	96,923	11	107,913
1/4	9,257	1/4	20,246	1/4	31,225	1/4	42,207	1/4	53,196	1/4	64,185	1/4	75,174	1/4	86,163	1/4	97,152	1/4	108,142
1/2	9,486	1/2	20,475	1/2	31,453	1/2	42,435	1/2	53,425	1/2	64,414	1/2	75,403	1/2	86,392	1/2	97,381	1/2	108,371
3/4	9,715	3/4	20,704	3/4	31,682	3/4	42,664	3/4	53,654	3/4	64,643	3/4	75,632	3/4	86,621	3/4	97,610	3/4	108,599

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 24'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "IB 1063"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 1/4"

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	108,828	0	119,818	0	130,807	0	141,796	0		0		0		0		0		0	
1/4	109,057	1/4	120,047	1/4	131,036	1/4	142,025	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,286	1/2	120,275	1/2	131,265	1/2	142,254	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,515	3/4	120,504	3/4	131,494	3/4	142,483	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	109,744	1	120,733	1	131,723	1	142,711	1	1	1	1	1	1	1	1	1	1	1	1
1/4	109,973	1/4	120,962	1/4	131,951	1/4	142,940	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,202	1/2	121,191	1/2	132,180	1/2	143,168	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,431	3/4	121,420	3/4	132,409	3/4	143,397	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	110,660	2	121,649	2	132,638	2	143,625	2	2	2	2	2	2	2	2	2	2	2	2
1/4	110,889	1/4	121,878	1/4	132,867	1/4	143,849	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,118	1/2	122,107	1/2	133,096	1/2	144,074	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,347	3/4	122,336	3/4	133,325	3/4	144,298	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	111,576	3	122,565	3	133,554	3	144,522	3	3	3	3	3	3	3	3	3	3	3	3
1/4	111,805	1/4	122,794	1/4	133,783	1/4	144,716	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,034	1/2	123,023	1/2	134,012	1/2	144,909	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,263	3/4	123,252	3/4	134,241	3/4	145,103	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	112,491	4	123,481	4	134,470	4	145,296	4	4	4	4	4	4	4	4	4	4	4	4
1/4	112,720	1/4	123,710	1/4	134,699	1/4	145,420	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,949	1/2	123,939	1/2	134,928	1/2	145,544	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,178	3/4	124,167	3/4	135,157	3/4	145,668	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	113,407	5	124,396	5	135,386	5	145,792	5	5	5	5	5	5	5	5	5	5	5	5
1/4	113,636	1/4	124,625	1/4	135,615	1/4	145,847	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,865	1/2	124,854	1/2	135,843	1/2	145,902	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,094	3/4	125,083	3/4	136,072	3/4	145,957	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	114,323	6	125,312	6	136,301	6	146,012	6	6	6	6	6	6	6	6	6	6	6	6
1/4	114,552	1/4	125,541	1/4	136,530	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,781	1/2	125,770	1/2	136,759	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	115,010	3/4	125,999	3/4	136,988	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	115,239	7	126,228	7	137,217	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	115,468	1/4	126,457	1/4	137,446	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	115,697	1/2	126,686	1/2	137,675	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	115,926	3/4	126,915	3/4	137,904	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	116,155	8	127,144	8	138,133	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	116,383	1/4	127,373	1/4	138,362	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	116,612	1/2	127,602	1/2	138,591	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	116,841	3/4	127,831	3/4	138,820	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	117,070	9	128,059	9	139,049	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	117,299	1/4	128,288	1/4	139,278	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	117,528	1/2	128,517	1/2	139,507	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	117,757	3/4	128,746	3/4	139,735	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	117,986	10	128,975	10	139,964	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	118,215	1/4	129,204	1/4	140,193	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	118,444	1/2	129,433	1/2	140,422	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	118,673	3/4	129,662	3/4	140,651	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	118,902	11	129,891	11	140,880	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	119,131	1/4	130,120	1/4	141,109	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	119,360	1/2	130,349	1/2	141,338	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	119,589	3/4	130,578	3/4	141,567	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 08/28/2013 CL
PRINTED: 08/28/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2013

PRECISION MEASUREMENT
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