



# BARGE "IB 1069"

## 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	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4

(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 INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 3/4'

LENGTH BETWEEN DRAFT MARKS: 163'-00"

September 20, 2013

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

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# BARGE "IB 1069"

# 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 1/2"

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	11,433	0	23,896	0	36,196	0	48,562	0	61,018	0	73,457	0	85,920	0	98,382	0	110,844
1/4	311	1/4	11,693	1/4	24,156	1/4	36,449	1/4	48,822	1/4	61,277	1/4	73,717	1/4	86,179	1/4	98,641	1/4	111,103
1/2	387	1/2	11,953	1/2	24,416	1/2	36,703	1/2	49,081	1/2	61,536	1/2	73,976	1/2	86,439	1/2	98,901	1/2	111,363
3/4	463	3/4	12,212	3/4	24,675	3/4	36,956	3/4	49,341	3/4	61,795	3/4	74,236	3/4	86,698	3/4	99,160	3/4	111,623
1	538	1	12,472	1	24,935	1	37,209	1	49,600	1	62,054	1	74,496	1	86,958	1	99,420	1	111,882
1/4	701	1/4	12,732	1/4	25,195	1/4	37,462	1/4	49,860	1/4	62,313	1/4	74,755	1/4	87,218	1/4	99,680	1/4	112,142
1/2	863	1/2	12,991	1/2	25,454	1/2	37,716	1/2	50,119	1/2	62,572	1/2	75,015	1/2	87,477	1/2	99,939	1/2	112,401
3/4	1,026	3/4	13,251	3/4	25,714	3/4	37,969	3/4	50,379	3/4	62,831	3/4	75,274	3/4	87,737	3/4	100,199	3/4	112,661
2	1,188	2	13,510	2	25,973	2	38,222	2	50,638	2	63,090	2	75,534	2	87,997	2	100,459	2	112,921
1/4	1,419	1/4	13,770	1/4	26,233	1/4	38,475	1/4	50,898	1/4	63,349	1/4	75,794	1/4	88,256	1/4	100,718	1/4	113,180
1/2	1,650	1/2	14,030	1/2	26,493	1/2	38,729	1/2	51,157	1/2	63,608	1/2	76,053	1/2	88,516	1/2	100,978	1/2	113,440
3/4	1,881	3/4	14,289	3/4	26,752	3/4	38,982	3/4	51,417	3/4	63,867	3/4	76,313	3/4	88,775	3/4	101,237	3/4	113,700
3	2,111	3	14,549	3	27,012	3	39,235	3	51,676	3	64,126	3	76,573	3	89,035	3	101,497	3	113,959
1/4	2,367	1/4	14,809	1/4	27,272	1/4	39,491	1/4	51,936	1/4	64,385	1/4	76,832	1/4	89,295	1/4	101,757	1/4	114,219
1/2	2,623	1/2	15,068	1/2	27,531	1/2	39,747	1/2	52,195	1/2	64,644	1/2	77,092	1/2	89,554	1/2	102,016	1/2	114,479
3/4	2,878	3/4	15,328	3/4	27,791	3/4	40,002	3/4	52,455	3/4	64,903	3/4	77,352	3/4	89,814	3/4	102,276	3/4	114,738
4	3,134	4	15,588	4	28,051	4	40,258	4	52,714	4	65,162	4	77,611	4	90,074	4	102,535	4	114,998
1/4	3,392	1/4	15,847	1/4	28,310	1/4	40,517	1/4	52,974	1/4	65,421	1/4	77,871	1/4	90,333	1/4	102,795	1/4	115,257
1/2	3,649	1/2	16,107	1/2	28,570	1/2	40,777	1/2	53,233	1/2	65,680	1/2	78,130	1/2	90,593	1/2	103,055	1/2	115,517
3/4	3,907	3/4	16,367	3/4	28,830	3/4	41,036	3/4	53,493	3/4	65,939	3/4	78,390	3/4	90,853	3/4	103,314	3/4	115,777
5	4,165	5	16,626	5	29,089	5	41,296	5	53,752	5	66,198	5	78,650	5	91,112	5	103,574	5	116,036
1/4	4,423	1/4	16,886	1/4	29,346	1/4	41,555	1/4	54,012	1/4	66,457	1/4	78,909	1/4	91,372	1/4	103,833	1/4	116,296
1/2	4,682	1/2	17,146	1/2	29,604	1/2	41,815	1/2	54,271	1/2	66,716	1/2	79,169	1/2	91,631	1/2	104,093	1/2	116,556
3/4	4,941	3/4	17,405	3/4	29,861	3/4	42,074	3/4	54,531	3/4	66,975	3/4	79,429	3/4	91,891	3/4	104,353	3/4	116,815
6	5,200	6	17,665	6	30,118	6	42,334	6	54,790	6	67,234	6	79,688	6	92,151	6	104,612	6	117,075
1/4	5,459	1/4	17,924	1/4	30,371	1/4	42,593	1/4	55,050	1/4	67,493	1/4	79,948	1/4	92,410	1/4	104,872	1/4	117,335
1/2	5,719	1/2	18,184	1/2	30,625	1/2	42,853	1/2	55,309	1/2	67,753	1/2	80,208	1/2	92,670	1/2	105,132	1/2	117,594
3/4	5,978	3/4	18,444	3/4	30,878	3/4	43,112	3/4	55,569	3/4	68,012	3/4	80,467	3/4	92,930	3/4	105,391	3/4	117,854
7	6,238	7	18,703	7	31,131	7	43,372	7	55,828	7	68,271	7	80,727	7	93,189	7	105,651	7	118,113
1/4	6,498	1/4	18,963	1/4	31,384	1/4	43,631	1/4	56,088	1/4	68,530	1/4	80,986	1/4	93,449	1/4	105,911	1/4	118,373
1/2	6,757	1/2	19,223	1/2	31,638	1/2	43,891	1/2	56,347	1/2	68,789	1/2	81,246	1/2	93,709	1/2	106,170	1/2	118,633
3/4	7,017	3/4	19,482	3/4	31,891	3/4	44,150	3/4	56,607	3/4	69,048	3/4	81,506	3/4	93,968	3/4	106,430	3/4	118,892
8	7,277	8	19,742	8	32,144	8	44,410	8	56,866	8	69,307	8	81,765	8	94,228	8	106,689	8	119,152
1/4	7,536	1/4	20,002	1/4	32,397	1/4	44,669	1/4	57,126	1/4	69,566	1/4	82,025	1/4	94,487	1/4	106,949	1/4	119,412
1/2	7,796	1/2	20,261	1/2	32,651	1/2	44,929	1/2	57,385	1/2	69,825	1/2	82,285	1/2	94,747	1/2	107,209	1/2	119,671
3/4	8,056	3/4	20,521	3/4	32,904	3/4	45,188	3/4	57,645	3/4	70,084	3/4	82,544	3/4	95,007	3/4	107,468	3/4	119,931
9	8,316	9	20,781	9	33,157	9	45,448	9	57,904	9	70,343	9	82,804	9	95,266	9	107,728	9	120,191
1/4	8,576	1/4	21,040	1/4	33,410	1/4	45,707	1/4	58,164	1/4	70,602	1/4	83,064	1/4	95,526	1/4	107,988	1/4	120,436
1/2	8,836	1/2	21,300	1/2	33,664	1/2	45,967	1/2	58,423	1/2	70,861	1/2	83,323	1/2	95,786	1/2	108,247	1/2	120,681
3/4	9,095	3/4	21,559	3/4	33,917	3/4	46,226	3/4	58,683	3/4	71,121	3/4	83,583	3/4	96,045	3/4	108,507	3/4	120,927
10	9,355	10	21,819	10	34,170	10	46,486	10	58,942	10	71,380	10	83,842	10	96,305	10	108,767	10	121,172
1/4	9,615	1/4	22,079	1/4	34,423	1/4	46,745	1/4	59,202	1/4	71,640	1/4	84,102	1/4	96,564	1/4	109,026	1/4	121,394
1/2	9,875	1/2	22,338	1/2	34,677	1/2	47,005	1/2	59,461	1/2	71,899	1/2	84,362	1/2	96,824	1/2	109,286	1/2	121,615
3/4	10,135	3/4	22,598	3/4	34,930	3/4	47,264	3/4	59,721	3/4	72,159	3/4	84,621	3/4	97,084	3/4	109,545	3/4	121,837
11	10,395	11	22,858	11	35,183	11	47,524	11	59,980	11	72,418	11	84,881	11	97,343	11	109,805	11	122,059
1/4	10,654	1/4	23,117	1/4	35,436	1/4	47,783	1/4	60,240	1/4	72,678	1/4	85,141	1/4	97,603	1/4	110,065	1/4	122,280
1/2	10,914	1/2	23,377	1/2	35,690	1/2	48,043	1/2	60,499	1/2	72,938	1/2	85,400	1/2	97,862	1/2	110,324	1/2	122,502
3/4	11,174	3/4	23,637	3/4	35,943	3/4	48,303	3/4	60,758	3/4	73,197	3/4	85,660	3/4	98,122	3/4	110,584	3/4	122,724

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 31'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

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# BARGE "IB 1069"

## 1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-05 1/2"

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	122,946	0	133,601	0	144,256	0	154,911	0		0		0		0		0		0	
1/4	123,168	1/4	133,823	1/4	144,478	1/4	155,133	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	123,390	1/2	134,045	1/2	144,700	1/2	155,355	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	123,612	3/4	134,267	3/4	144,922	3/4	155,577	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	123,834	1	134,489	1	145,144	1	155,799	1	1	1	1	1	1	1	1	1	1	1	1
1/4	124,056	1/4	134,711	1/4	145,366	1/4	156,020	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	124,278	1/2	134,933	1/2	145,588	1/2	156,241	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	124,500	3/4	135,155	3/4	145,810	3/4	156,463	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	124,722	2	135,377	2	146,032	2	156,684	2	2	2	2	2	2	2	2	2	2	2	2
1/4	124,944	1/4	135,599	1/4	146,254	1/4	156,901	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	125,166	1/2	135,821	1/2	146,476	1/2	157,117	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	125,388	3/4	136,043	3/4	146,698	3/4	157,334	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	125,610	3	136,265	3	146,920	3	157,551	3	3	3	3	3	3	3	3	3	3	3	3
1/4	125,832	1/4	136,487	1/4	147,142	1/4	157,733	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	126,054	1/2	136,709	1/2	147,364	1/2	157,914	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	126,276	3/4	136,931	3/4	147,586	3/4	158,096	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	126,498	4	137,153	4	147,808	4	158,278	4	4	4	4	4	4	4	4	4	4	4	4
1/4	126,720	1/4	137,375	1/4	148,030	1/4	158,381	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	126,942	1/2	137,597	1/2	148,252	1/2	158,483	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	127,164	3/4	137,819	3/4	148,474	3/4	158,586	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	127,386	5	138,041	5	148,696	5	158,689	5	5	5	5	5	5	5	5	5	5	5	5
1/4	127,608	1/4	138,263	1/4	148,918	1/4	158,727	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	127,830	1/2	138,485	1/2	149,140	1/2	158,766	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	128,052	3/4	138,707	3/4	149,362	3/4	158,804	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	128,274	6	138,929	6	149,584	6	158,843	6	6	6	6	6	6	6	6	6	6	6	6
1/4	128,496	1/4	139,151	1/4	149,806	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	128,718	1/2	139,373	1/2	150,028	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	128,940	3/4	139,595	3/4	150,250	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	129,162	7	139,817	7	150,472	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	129,384	1/4	140,039	1/4	150,694	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	129,606	1/2	140,261	1/2	150,916	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	129,828	3/4	140,483	3/4	151,138	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	130,050	8	140,705	8	151,360	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	130,272	1/4	140,927	1/4	151,581	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	130,494	1/2	141,149	1/2	151,803	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	130,716	3/4	141,371	3/4	152,025	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	130,938	9	141,592	9	152,247	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	131,160	1/4	141,814	1/4	152,469	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	131,382	1/2	142,036	1/2	152,691	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	131,604	3/4	142,258	3/4	152,913	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	131,825	10	142,480	10	153,135	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	132,047	1/4	142,702	1/4	153,357	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	132,269	1/2	142,924	1/2	153,579	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	132,491	3/4	143,146	3/4	153,801	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	132,713	11	143,368	11	154,023	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	132,935	1/4	143,590	1/4	154,245	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	133,157	1/2	143,812	1/2	154,467	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	133,379	3/4	144,034	3/4	154,689	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: 09/19/2013 SW  
CALCULATED: 09/20/2013 CL  
PRINTED: 09/20/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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



# BARGE "IB 1069"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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	10,021	0	21,094	0	32,007	0	42,990	0	54,064	0	65,138	0	76,212	0	87,286	0	98,361
1/4	151	1/4	10,251	1/4	21,325	1/4	32,232	1/4	43,221	1/4	54,295	1/4	65,369	1/4	76,443	1/4	87,517	1/4	98,591
1/2	219	1/2	10,482	1/2	21,556	1/2	32,456	1/2	43,452	1/2	54,526	1/2	65,600	1/2	76,674	1/2	87,748	1/2	98,822
3/4	286	3/4	10,713	3/4	21,787	3/4	32,680	3/4	43,682	3/4	54,756	3/4	65,830	3/4	76,905	3/4	87,979	3/4	99,053
1	353	1	10,944	1	22,017	1	32,905	1	43,913	1	54,987	1	66,061	1	77,135	1	88,209	1	99,283
1/4	497	1/4	11,174	1/4	22,248	1/4	33,129	1/4	44,144	1/4	55,218	1/4	66,292	1/4	77,366	1/4	88,440	1/4	99,514
1/2	641	1/2	11,405	1/2	22,479	1/2	33,354	1/2	44,374	1/2	55,448	1/2	66,523	1/2	77,597	1/2	88,671	1/2	99,745
3/4	785	3/4	11,636	3/4	22,709	3/4	33,578	3/4	44,605	3/4	55,679	3/4	66,753	3/4	77,827	3/4	88,901	3/4	99,976
2	929	2	11,866	2	22,940	2	33,802	2	44,836	2	55,910	2	66,984	2	78,058	2	89,132	2	100,206
1/4	1,134	1/4	12,097	1/4	23,171	1/4	34,027	1/4	45,067	1/4	56,141	1/4	67,215	1/4	78,289	1/4	89,363	1/4	100,437
1/2	1,339	1/2	12,328	1/2	23,401	1/2	34,251	1/2	45,297	1/2	56,371	1/2	67,445	1/2	78,519	1/2	89,594	1/2	100,668
3/4	1,543	3/4	12,558	3/4	23,632	3/4	34,476	3/4	45,528	3/4	56,602	3/4	67,676	3/4	78,750	3/4	89,824	3/4	100,898
3	1,748	3	12,789	3	23,863	3	34,700	3	45,759	3	56,833	3	67,907	3	78,981	3	90,055	3	101,129
1/4	1,975	1/4	13,020	1/4	24,094	1/4	34,927	1/4	45,989	1/4	57,063	1/4	68,138	1/4	79,212	1/4	90,286	1/4	101,360
1/2	2,201	1/2	13,251	1/2	24,324	1/2	35,154	1/2	46,220	1/2	57,294	1/2	68,368	1/2	79,442	1/2	90,516	1/2	101,590
3/4	2,428	3/4	13,481	3/4	24,555	3/4	35,381	3/4	46,451	3/4	57,525	3/4	68,599	3/4	79,673	3/4	90,747	3/4	101,821
4	2,655	4	13,712	4	24,786	4	35,607	4	46,682	4	57,756	4	68,830	4	79,904	4	90,978	4	102,052
1/4	2,883	1/4	13,943	1/4	25,016	1/4	35,838	1/4	46,912	1/4	57,986	1/4	69,060	1/4	80,134	1/4	91,209	1/4	102,283
1/2	3,112	1/2	14,173	1/2	25,247	1/2	36,069	1/2	47,143	1/2	58,217	1/2	69,291	1/2	80,365	1/2	91,439	1/2	102,513
3/4	3,340	3/4	14,404	3/4	25,478	3/4	36,300	3/4	47,374	3/4	58,448	3/4	69,522	3/4	80,596	3/4	91,670	3/4	102,744
5	3,569	5	14,635	5	25,708	5	36,530	5	47,604	5	58,678	5	69,753	5	80,827	5	91,901	5	102,975
1/4	3,798	1/4	14,866	1/4	25,937	1/4	36,761	1/4	47,835	1/4	58,909	1/4	69,983	1/4	81,057	1/4	92,131	1/4	103,205
1/2	4,028	1/2	15,096	1/2	26,165	1/2	36,992	1/2	48,066	1/2	59,140	1/2	70,214	1/2	81,288	1/2	92,362	1/2	103,436
3/4	4,257	3/4	15,327	3/4	26,393	3/4	37,222	3/4	48,296	3/4	59,371	3/4	70,445	3/4	81,519	3/4	92,593	3/4	103,667
6	4,487	6	15,558	6	26,622	6	37,453	6	48,527	6	59,601	6	70,675	6	81,749	6	92,824	6	103,898
1/4	4,717	1/4	15,788	1/4	26,846	1/4	37,684	1/4	48,758	1/4	59,832	1/4	70,906	1/4	81,980	1/4	93,054	1/4	104,128
1/2	4,947	1/2	16,019	1/2	27,071	1/2	37,915	1/2	48,989	1/2	60,063	1/2	71,137	1/2	82,211	1/2	93,285	1/2	104,359
3/4	5,177	3/4	16,250	3/4	27,295	3/4	38,145	3/4	49,219	3/4	60,293	3/4	71,367	3/4	82,442	3/4	93,516	3/4	104,590
7	5,408	7	16,480	7	27,519	7	38,376	7	49,450	7	60,524	7	71,598	7	82,672	7	93,746	7	104,820
1/4	5,638	1/4	16,711	1/4	27,744	1/4	38,607	1/4	49,681	1/4	60,755	1/4	71,829	1/4	82,903	1/4	93,977	1/4	105,051
1/2	5,869	1/2	16,942	1/2	27,968	1/2	38,837	1/2	49,911	1/2	60,986	1/2	72,060	1/2	83,134	1/2	94,208	1/2	105,282
3/4	6,099	3/4	17,173	3/4	28,193	3/4	39,068	3/4	50,142	3/4	61,216	3/4	72,290	3/4	83,364	3/4	94,438	3/4	105,513
8	6,330	8	17,403	8	28,417	8	39,299	8	50,373	8	61,447	8	72,521	8	83,595	8	94,669	8	105,743
1/4	6,560	1/4	17,634	1/4	28,641	1/4	39,529	1/4	50,604	1/4	61,678	1/4	72,752	1/4	83,826	1/4	94,900	1/4	105,974
1/2	6,791	1/2	17,865	1/2	28,866	1/2	39,760	1/2	50,834	1/2	61,908	1/2	72,982	1/2	84,057	1/2	95,131	1/2	106,205
3/4	7,022	3/4	18,095	3/4	29,090	3/4	39,991	3/4	51,065	3/4	62,139	3/4	73,213	3/4	84,287	3/4	95,361	3/4	106,435
9	7,252	9	18,326	9	29,314	9	40,222	9	51,296	9	62,370	9	73,444	9	84,518	9	95,592	9	106,666
1/4	7,483	1/4	18,557	1/4	29,539	1/4	40,452	1/4	51,526	1/4	62,600	1/4	73,675	1/4	84,749	1/4	95,823	1/4	106,897
1/2	7,714	1/2	18,787	1/2	29,763	1/2	40,683	1/2	51,757	1/2	62,831	1/2	73,905	1/2	84,979	1/2	96,053	1/2	107,128
3/4	7,944	3/4	19,018	3/4	29,988	3/4	40,914	3/4	51,988	3/4	63,062	3/4	74,136	3/4	85,210	3/4	96,284	3/4	107,358
10	8,175	10	19,249	10	30,212	10	41,144	10	52,219	10	63,293	10	74,367	10	85,441	10	96,515	10	107,589
1/4	8,406	1/4	19,480	1/4	30,436	1/4	41,375	1/4	52,449	1/4	63,523	1/4	74,597	1/4	85,671	1/4	96,746	1/4	107,820
1/2	8,637	1/2	19,710	1/2	30,661	1/2	41,606	1/2	52,680	1/2	63,754	1/2	74,828	1/2	85,902	1/2	96,976	1/2	108,050
3/4	8,867	3/4	19,941	3/4	30,885	3/4	41,837	3/4	52,911	3/4	63,985	3/4	75,059	3/4	86,133	3/4	97,207	3/4	108,281
11	9,098	11	20,172	11	31,110	11	42,067	11	53,141	11	64,215	11	75,290	11	86,364	11	97,438	11	108,512
1/4	9,329	1/4	20,402	1/4	31,334	1/4	42,298	1/4	53,372	1/4	64,446	1/4	75,520	1/4	86,594	1/4	97,668	1/4	108,742
1/2	9,559	1/2	20,633	1/2	31,558	1/2	42,529	1/2	53,603	1/2	64,677	1/2	75,751	1/2	86,825	1/2	97,899	1/2	108,973
3/4	9,790	3/4	20,864	3/4	31,783	3/4	42,759	3/4	53,834	3/4	64,908	3/4	75,982	3/4	87,056	3/4	98,130	3/4	109,204

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.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "IB 1069"

## 2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 14'-07"

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	109,435	0	120,509	0	131,583	0	142,657	0		0		0		0		0		0	
1/4	109,665	1/4	120,739	1/4	131,813	1/4	142,887	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	109,896	1/2	120,970	1/2	132,044	1/2	143,118	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	110,127	3/4	121,201	3/4	132,275	3/4	143,349	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	110,357	1	121,432	1	132,506	1	143,579	1	1	1	1	1	1	1	1	1	1	1	1
1/4	110,588	1/4	121,662	1/4	132,736	1/4	143,810	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	110,819	1/2	121,893	1/2	132,967	1/2	144,040	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	111,050	3/4	122,124	3/4	133,198	3/4	144,270	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	111,280	2	122,354	2	133,428	2	144,500	2	2	2	2	2	2	2	2	2	2	2	2
1/4	111,511	1/4	122,585	1/4	133,659	1/4	144,726	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	111,742	1/2	122,816	1/2	133,890	1/2	144,952	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	111,972	3/4	123,047	3/4	134,121	3/4	145,178	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	112,203	3	123,277	3	134,351	3	145,404	3	3	3	3	3	3	3	3	3	3	3	3
1/4	112,434	1/4	123,508	1/4	134,582	1/4	145,599	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	112,665	1/2	123,739	1/2	134,813	1/2	145,794	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	112,895	3/4	123,969	3/4	135,043	3/4	145,989	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	113,126	4	124,200	4	135,274	4	146,184	4	4	4	4	4	4	4	4	4	4	4	4
1/4	113,357	1/4	124,431	1/4	135,505	1/4	146,309	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	113,587	1/2	124,661	1/2	135,736	1/2	146,434	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	113,818	3/4	124,892	3/4	135,966	3/4	146,559	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	114,049	5	125,123	5	136,197	5	146,684	5	5	5	5	5	5	5	5	5	5	5	5
1/4	114,280	1/4	125,354	1/4	136,428	1/4	146,739	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	114,510	1/2	125,584	1/2	136,658	1/2	146,795	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	114,741	3/4	125,815	3/4	136,889	3/4	146,850	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	114,972	6	126,046	6	137,120	6	146,905	6	6	6	6	6	6	6	6	6	6	6	6
1/4	115,202	1/4	126,276	1/4	137,351	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	115,433	1/2	126,507	1/2	137,581	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	115,664	3/4	126,738	3/4	137,812	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	115,895	7	126,969	7	138,043	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	116,125	1/4	127,199	1/4	138,273	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	116,356	1/2	127,430	1/2	138,504	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	116,587	3/4	127,661	3/4	138,735	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
8	116,817	8	127,891	8	138,966	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	117,048	1/4	128,122	1/4	139,196	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	117,279	1/2	128,353	1/2	139,427	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	117,509	3/4	128,584	3/4	139,658	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	117,740	9	128,814	9	139,888	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	117,971	1/4	129,045	1/4	140,119	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	118,202	1/2	129,276	1/2	140,350	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	118,432	3/4	129,506	3/4	140,580	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	118,663	10	129,737	10	140,811	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	118,894	1/4	129,968	1/4	141,042	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	119,124	1/2	130,199	1/2	141,273	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	119,355	3/4	130,429	3/4	141,503	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	119,586	11	130,660	11	141,734	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	119,817	1/4	130,891	1/4	141,965	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	120,047	1/2	131,121	1/2	142,195	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	120,278	3/4	131,352	3/4	142,426	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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ALL PRIOR TO 09/2013

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# BARGE "IB 1069"

## 3 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	9,940	0	20,925	0	31,898	0	42,876	0	53,861	0	64,846	0	75,831	0	86,816	0	97,800
1/4	150	1/4	10,169	1/4	21,153	1/4	32,126	1/4	43,105	1/4	54,090	1/4	65,075	1/4	76,060	1/4	87,045	1/4	98,029
1/2	217	1/2	10,398	1/2	21,382	1/2	32,354	1/2	43,334	1/2	54,319	1/2	65,304	1/2	76,289	1/2	87,273	1/2	98,258
3/4	284	3/4	10,627	3/4	21,611	3/4	32,583	3/4	43,563	3/4	54,548	3/4	65,533	3/4	76,517	3/4	87,502	3/4	98,487
1	351	1	10,856	1	21,840	1	32,811	1	43,792	1	54,777	1	65,761	1	76,746	1	87,731	1	98,716
1/4	493	1/4	11,084	1/4	22,069	1/4	33,040	1/4	44,021	1/4	55,005	1/4	65,990	1/4	76,975	1/4	87,960	1/4	98,945
1/2	636	1/2	11,313	1/2	22,298	1/2	33,268	1/2	44,249	1/2	55,234	1/2	66,219	1/2	77,204	1/2	88,189	1/2	99,174
3/4	779	3/4	11,542	3/4	22,527	3/4	33,496	3/4	44,478	3/4	55,463	3/4	66,448	3/4	77,433	3/4	88,418	3/4	99,402
2	922	2	11,771	2	22,755	2	33,725	2	44,707	2	55,692	2	66,677	2	77,662	2	88,646	2	99,631
1/4	1,125	1/4	12,000	1/4	22,984	1/4	33,953	1/4	44,936	1/4	55,921	1/4	66,906	1/4	77,890	1/4	88,875	1/4	99,860
1/2	1,328	1/2	12,229	1/2	23,213	1/2	34,182	1/2	45,165	1/2	56,150	1/2	67,135	1/2	78,119	1/2	89,104	1/2	100,089
3/4	1,531	3/4	12,458	3/4	23,442	3/4	34,410	3/4	45,394	3/4	56,379	3/4	67,363	3/4	78,348	3/4	89,333	3/4	100,318
3	1,734	3	12,686	3	23,671	3	34,639	3	45,623	3	56,607	3	67,592	3	78,577	3	89,562	3	100,547
1/4	1,959	1/4	12,915	1/4	23,900	1/4	34,867	1/4	45,851	1/4	56,836	1/4	67,821	1/4	78,806	1/4	89,791	1/4	100,776
1/2	2,184	1/2	13,144	1/2	24,128	1/2	35,096	1/2	46,080	1/2	57,065	1/2	68,050	1/2	79,035	1/2	90,020	1/2	101,004
3/4	2,409	3/4	13,373	3/4	24,357	3/4	35,325	3/4	46,309	3/4	57,294	3/4	68,279	3/4	79,264	3/4	90,248	3/4	101,233
4	2,634	4	13,602	4	24,586	4	35,553	4	46,538	4	57,523	4	68,508	4	79,492	4	90,477	4	101,462
1/4	2,860	1/4	13,831	1/4	24,815	1/4	35,782	1/4	46,767	1/4	57,752	1/4	68,736	1/4	79,721	1/4	90,706	1/4	101,691
1/2	3,087	1/2	14,059	1/2	25,044	1/2	36,011	1/2	46,996	1/2	57,980	1/2	68,965	1/2	79,950	1/2	90,935	1/2	101,920
3/4	3,314	3/4	14,288	3/4	25,273	3/4	36,240	3/4	47,225	3/4	58,209	3/4	69,194	3/4	80,179	3/4	91,164	3/4	102,149
5	3,540	5	14,517	5	25,501	5	36,469	5	47,453	5	58,438	5	69,423	5	80,408	5	91,393	5	102,377
1/4	3,768	1/4	14,746	1/4	25,730	1/4	36,697	1/4	47,682	1/4	58,667	1/4	69,652	1/4	80,637	1/4	91,622	1/4	102,606
1/2	3,996	1/2	14,975	1/2	25,959	1/2	36,926	1/2	47,911	1/2	58,896	1/2	69,881	1/2	80,866	1/2	91,850	1/2	102,835
3/4	4,223	3/4	15,204	3/4	26,187	3/4	37,155	3/4	48,140	3/4	59,125	3/4	70,110	3/4	81,094	3/4	92,079	3/4	103,064
6	4,451	6	15,432	6	26,416	6	37,384	6	48,369	6	59,354	6	70,338	6	81,323	6	92,308	6	103,293
1/4	4,679	1/4	15,661	1/4	26,645	1/4	37,613	1/4	48,598	1/4	59,582	1/4	70,567	1/4	81,552	1/4	92,537	1/4	103,522
1/2	4,908	1/2	15,890	1/2	26,873	1/2	37,842	1/2	48,826	1/2	59,811	1/2	70,796	1/2	81,781	1/2	92,766	1/2	103,751
3/4	5,136	3/4	16,119	3/4	27,101	3/4	38,070	3/4	49,055	3/4	60,040	3/4	71,025	3/4	82,010	3/4	92,995	3/4	103,979
7	5,364	7	16,348	7	27,330	7	38,299	7	49,284	7	60,269	7	71,254	7	82,239	7	93,223	7	104,208
1/4	5,593	1/4	16,577	1/4	27,558	1/4	38,528	1/4	49,513	1/4	60,498	1/4	71,483	1/4	82,467	1/4	93,452	1/4	104,437
1/2	5,822	1/2	16,805	1/2	27,787	1/2	38,757	1/2	49,742	1/2	60,727	1/2	71,712	1/2	82,696	1/2	93,681	1/2	104,666
3/4	6,050	3/4	17,034	3/4	28,015	3/4	38,986	3/4	49,971	3/4	60,956	3/4	71,940	3/4	82,925	3/4	93,910	3/4	104,895
8	6,279	8	17,263	8	28,243	8	39,215	8	50,200	8	61,184	8	72,169	8	83,154	8	94,139	8	105,124
1/4	6,508	1/4	17,492	1/4	28,472	1/4	39,444	1/4	50,428	1/4	61,413	1/4	72,398	1/4	83,383	1/4	94,368	1/4	105,353
1/2	6,737	1/2	17,721	1/2	28,700	1/2	39,672	1/2	50,657	1/2	61,642	1/2	72,627	1/2	83,612	1/2	94,597	1/2	105,581
3/4	6,965	3/4	17,950	3/4	28,929	3/4	39,901	3/4	50,886	3/4	61,871	3/4	72,856	3/4	83,841	3/4	94,825	3/4	105,810
9	7,194	9	18,179	9	29,157	9	40,130	9	51,115	9	62,100	9	73,085	9	84,069	9	95,054	9	106,039
1/4	7,423	1/4	18,407	1/4	29,385	1/4	40,359	1/4	51,344	1/4	62,329	1/4	73,313	1/4	84,298	1/4	95,283	1/4	106,268
1/2	7,652	1/2	18,636	1/2	29,614	1/2	40,588	1/2	51,573	1/2	62,557	1/2	73,542	1/2	84,527	1/2	95,512	1/2	106,497
3/4	7,881	3/4	18,865	3/4	29,842	3/4	40,817	3/4	51,802	3/4	62,786	3/4	73,771	3/4	84,756	3/4	95,741	3/4	106,726
10	8,110	10	19,094	10	30,070	10	41,046	10	52,030	10	63,010	10	74,000	10	84,985	10	95,970	10	106,954
1/4	8,338	1/4	19,323	1/4	30,299	1/4	41,274	1/4	52,259	1/4	63,244	1/4	74,229	1/4	85,214	1/4	96,199	1/4	107,183
1/2	8,567	1/2	19,552	1/2	30,527	1/2	41,503	1/2	52,488	1/2	63,473	1/2	74,458	1/2	85,443	1/2	96,427	1/2	107,412
3/4	8,796	3/4	19,780	3/4	30,756	3/4	41,732	3/4	52,717	3/4	63,702	3/4	74,687	3/4	85,671	3/4	96,656	3/4	107,641
11	9,025	11	20,009	11	30,984	11	41,961	11	52,946	11	63,931	11	74,915	11	85,900	11	96,885	11	107,870
1/4	9,254	1/4	20,238	1/4	31,212	1/4	42,190	1/4	53,175	1/4	64,159	1/4	75,144	1/4	86,129	1/4	97,114	1/4	108,099
1/2	9,483	1/2	20,467	1/2	31,441	1/2	42,419	1/2	53,403	1/2	64,388	1/2	75,373	1/2	86,358	1/2	97,343	1/2	108,328
3/4	9,711	3/4	20,696	3/4	31,669	3/4	42,648	3/4	53,632	3/4	64,617	3/4	75,602	3/4	86,587	3/4	97,572	3/4	108,556

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.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "IB 1069"

## 3 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	108,785	0	119,770	0	130,755	0	141,740	0		0		0		0		0		0	
1/4	109,014	1/4	119,999	1/4	130,984	1/4	141,969	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	109,243	1/2	120,228	1/2	131,213	1/2	142,197	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	109,472	3/4	120,457	3/4	131,441	3/4	142,426	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	109,701	1	120,686	1	131,670	1	142,655	1	1	1	1	1	1	1	1	1	1	1	1
1/4	109,930	1/4	120,914	1/4	131,899	1/4	142,883	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	110,158	1/2	121,143	1/2	132,128	1/2	143,111	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	110,387	3/4	121,372	3/4	132,357	3/4	143,340	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	110,616	2	121,601	2	132,586	2	143,568	2	2	2	2	2	2	2	2	2	2	2	2
1/4	110,845	1/4	121,830	1/4	132,815	1/4	143,792	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	111,074	1/2	122,059	1/2	133,043	1/2	144,016	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	111,303	3/4	122,287	3/4	133,272	3/4	144,241	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	111,532	3	122,516	3	133,501	3	144,465	3	3	3	3	3	3	3	3	3	3	3	3
1/4	111,760	1/4	122,745	1/4	133,730	1/4	144,658	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	111,989	1/2	122,974	1/2	133,959	1/2	144,852	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	112,218	3/4	123,203	3/4	134,188	3/4	145,045	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	112,447	4	123,432	4	134,417	4	145,239	4	4	4	4	4	4	4	4	4	4	4	4
1/4	112,676	1/4	123,661	1/4	134,645	1/4	145,363	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	112,905	1/2	123,889	1/2	134,874	1/2	145,487	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	113,133	3/4	124,118	3/4	135,103	3/4	145,611	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	113,362	5	124,347	5	135,332	5	145,735	5	5	5	5	5	5	5	5	5	5	5	5
1/4	113,591	1/4	124,576	1/4	135,561	1/4	145,789	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	113,820	1/2	124,805	1/2	135,790	1/2	145,844	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	114,049	3/4	125,034	3/4	136,019	3/4	145,899	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	114,278	6	125,263	6	136,247	6	145,954	6	6	6	6	6	6	6	6	6	6	6	6
1/4	114,507	1/4	125,491	1/4	136,476	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	114,735	1/2	125,720	1/2	136,705	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	114,964	3/4	125,949	3/4	136,934	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	115,193	7	126,178	7	137,163	7		7	7	7	7	7	7	7	7	7	7	7	7
1/4	115,422	1/4	126,407	1/4	137,392	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	115,651	1/2	126,636	1/2	137,620	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	115,880	3/4	126,864	3/4	137,849	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	116,109	8	127,093	8	138,078	8		8	8	8	8	8	8	8	8	8	8	8	8
1/4	116,337	1/4	127,322	1/4	138,307	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	116,566	1/2	127,551	1/2	138,536	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	116,795	3/4	127,780	3/4	138,765	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	117,024	9	128,009	9	138,994	9		9	9	9	9	9	9	9	9	9	9	9	9
1/4	117,253	1/4	128,238	1/4	139,222	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	117,482	1/2	128,466	1/2	139,451	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	117,710	3/4	128,695	3/4	139,680	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
10	117,939	10	128,924	10	139,909	10		10	10	10	10	10	10	10	10	10	10	10	10
1/4	118,168	1/4	129,153	1/4	140,138	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	118,397	1/2	129,382	1/2	140,367	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	118,626	3/4	129,611	3/4	140,596	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	118,855	11	129,840	11	140,824	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	119,084	1/4	130,068	1/4	141,053	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	119,312	1/2	130,297	1/2	141,282	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	119,541	3/4	130,526	3/4	141,511	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: 09/19/2013 SW  
CALCULATED: 09/20/2013 CL  
PRINTED: 09/20/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

PRECISION MEASUREMENT  
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