



# BARGE "DBL 149"

## ULLAGE 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>
<b>1 CENTER</b>	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
<b>2 CENTER</b>	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
<b>3 CENTER</b>	- 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	- 00-3/8	00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

LENGTH BETWEEN DRAFT MARKS: 158'-09"

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 1 CENTER IS 00-1/4"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

April 1, 2022



# BARGE "DBL 149"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
0	0	0	0	0	0	0	0	151,616	0	142,626	0	133,179	0	123,710	0	114,242	0	104,227		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	151,498	1/4	142,431	1/4	132,982	1/4	123,513	1/4	114,045	1/4	104,003		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	151,380	1/2	142,235	1/2	132,784	1/2	123,316	1/2	113,847	1/2	103,778		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,263	3/4	142,040	3/4	132,587	3/4	123,119	3/4	113,650	3/4	103,554		
1	1	1	1	1	1	1	1	151,145	1	141,844	1	132,390	1	122,921	1	113,453	1	103,330		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	150,962	1/4	141,649	1/4	132,192	1/4	122,724	1/4	113,256	1/4	103,105		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	150,779	1/2	141,453	1/2	131,995	1/2	122,527	1/2	113,058	1/2	102,881		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	150,595	3/4	141,258	3/4	131,798	3/4	122,330	3/4	112,861	3/4	102,656		
2	2	2	2	2	2	2	2	150,412	2	141,062	2	131,601	2	122,132	2	112,664	2	102,432		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	150,219	1/4	140,867	1/4	131,403	1/4	121,935	1/4	112,467	1/4	102,208		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	150,027	1/2	140,671	1/2	131,206	1/2	121,738	1/2	112,269	1/2	101,983		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	149,834	3/4	140,476	3/4	131,009	3/4	121,540	3/4	112,072	3/4	101,759		
3	3	3	3	3	3	3	3	149,642	3	140,280	3	130,812	3	121,343	3	111,875	3	101,535		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	149,449	1/4	140,083	1/4	130,614	1/4	121,146	1/4	111,678	1/4	101,310		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	149,256	1/2	139,886	1/2	130,417	1/2	120,949	1/2	111,480	1/2	101,086		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	149,064	3/4	139,688	3/4	130,220	3/4	120,751	3/4	111,283	3/4	100,862		
4	4	4	4	4	4	4	4	148,871	4	139,491	4	130,023	4	120,554	4	111,086	4	100,637		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	148,678	1/4	139,294	1/4	129,825	1/4	120,357	1/4	110,889	1/4	100,413		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	148,486	1/2	139,097	1/2	129,628	1/2	120,160	1/2	110,691	1/2	100,189		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	148,293	3/4	138,899	3/4	129,431	3/4	119,962	3/4	110,494	3/4	99,964		
5	5	5	5	5	5	5	5	148,101	5	138,702	5	129,234	5	119,765	5	110,297	5	99,740		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,905	1/4	138,505	1/4	129,036	1/4	119,568	1/4	110,099	1/4	99,515		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,709	1/2	138,308	1/2	128,839	1/2	119,371	1/2	109,902	1/2	99,291		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	147,514	3/4	138,110	3/4	128,642	3/4	119,173	3/4	109,705	3/4	99,067		
6	6	6	6	6	6	6	6	147,318	6	137,913	6	128,445	6	118,976	6	109,508	6	98,842		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,123	1/4	137,716	1/4	128,247	1/4	118,779	1/4	109,310	1/4	98,618		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	146,927	1/2	137,518	1/2	128,050	1/2	118,582	1/2	109,113	1/2	98,394		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	146,732	3/4	137,321	3/4	127,853	3/4	118,384	3/4	108,916	3/4	98,169		
7	7	7	7	7	7	7	7	146,536	7	137,124	7	127,656	7	118,187	7	108,719	7	97,945		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	146,341	1/4	136,927	1/4	127,458	1/4	117,990	1/4	108,494	1/4	97,721		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	146,145	1/2	136,729	1/2	127,261	1/2	117,793	1/2	108,269	1/2	97,496		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	145,950	3/4	136,532	3/4	127,064	3/4	117,595	3/4	108,044	3/4	97,272		
8	8	8	8	8	8	8	8	145,754	8	136,335	8	126,866	8	117,398	8	107,819	8	97,048		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	145,559	1/4	136,138	1/4	126,669	1/4	117,201	1/4	107,594	1/4	96,823		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	145,363	1/2	135,940	1/2	126,472	1/2	117,004	1/2	107,369	1/2	96,599		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	145,168	3/4	135,743	3/4	126,275	3/4	116,806	3/4	107,144	3/4	96,374		
9	9	9	9	9	9	9	9	144,972	9	135,546	9	126,077	9	116,609	9	106,919	9	96,150		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	144,777	1/4	135,349	1/4	125,880	1/4	116,412	1/4	106,695	1/4	95,926		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	144,581	1/2	135,151	1/2	125,683	1/2	116,214	1/2	106,471	1/2	95,701		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	144,386	3/4	134,954	3/4	125,486	3/4	116,017	3/4	106,246	3/4	95,477		
10	10	10	10	10	10	10	10	144,190	10	134,757	10	125,288	10	115,820	10	106,022	10	95,253		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	143,995	1/4	134,560	1/4	125,091	1/4	115,623	1/4	105,798	1/4	95,028		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	143,799	1/2	134,362	1/2	124,894	1/2	115,425	1/2	105,573	1/2	94,804		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	143,604	3/4	134,165	3/4	124,697	3/4	115,228	3/4	105,349	3/4	94,580		
11	11	11	11	11	11	11	11	151,916	11	143,408	11	133,968	11	124,499	11	115,031	11	105,124	11	94,355
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	151,841	1/4	143,213	1/4	133,771	1/4	124,302	1/4	114,834	1/4	104,900	1/4	94,131
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	151,766	1/2	143,017	1/2	133,573	1/2	124,105	1/2	114,636	1/2	104,676	1/2	93,907
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,691	3/4	142,822	3/4	133,376	3/4	123,908	3/4	114,439	3/4	104,451	3/4	93,682

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 ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 149"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10"

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	93,458	0	82,689	0	71,915	0	61,141	0	50,368	0	39,706	0	28,937	0	18,192	0	7,637	0	
1/4	93,233	1/4	82,464	1/4	71,691	1/4	60,917	1/4	50,145	1/4	39,481	1/4	28,713	1/4	17,974	1/4	7,413	1/4	
1/2	93,009	1/2	82,240	1/2	71,466	1/2	60,693	1/2	49,922	1/2	39,257	1/2	28,488	1/2	17,755	1/2	7,189	1/2	
3/4	92,785	3/4	82,015	3/4	71,242	3/4	60,468	3/4	49,699	3/4	39,033	3/4	28,264	3/4	17,537	3/4	6,964	3/4	
1	92,560	1	81,791	1	71,017	1	60,244	1	49,476	1	38,808	1	28,040	1	17,318	1	6,740	1	
1/4	92,336	1/4	81,566	1/4	70,793	1/4	60,019	1/4	49,253	1/4	38,584	1/4	27,815	1/4	17,100	1/4	6,516	1/4	
1/2	92,112	1/2	81,342	1/2	70,568	1/2	59,795	1/2	49,031	1/2	38,360	1/2	27,591	1/2	16,882	1/2	6,291	1/2	
3/4	91,887	3/4	81,117	3/4	70,344	3/4	59,570	3/4	48,808	3/4	38,135	3/4	27,366	3/4	16,663	3/4	6,067	3/4	
2	91,663	2	80,893	2	70,119	2	59,346	2	48,585	2	37,911	2	27,142	2	16,445	2	5,843	2	
1/4	91,439	1/4	80,669	1/4	69,895	1/4	59,121	1/4	48,363	1/4	37,687	1/4	26,918	1/4	16,226	1/4	5,618	1/4	
1/2	91,214	1/2	80,444	1/2	69,671	1/2	58,897	1/2	48,142	1/2	37,462	1/2	26,693	1/2	16,008	1/2	5,394	1/2	
3/4	90,990	3/4	80,220	3/4	69,446	3/4	58,672	3/4	47,921	3/4	37,238	3/4	26,469	3/4	15,790	3/4	5,169	3/4	
3	90,766	3	79,995	3	69,222	3	58,448	3	47,699	3	37,014	3	26,245	3	15,571	3	4,945	3	
1/4	90,541	1/4	79,771	1/4	68,997	1/4	58,224	1/4	47,478	1/4	36,789	1/4	26,020	1/4	15,353	1/4	4,720	1/4	
1/2	90,317	1/2	79,546	1/2	68,773	1/2	57,999	1/2	47,257	1/2	36,565	1/2	25,796	1/2	15,134	1/2	4,496	1/2	
3/4	90,092	3/4	79,322	3/4	68,548	3/4	57,775	3/4	47,035	3/4	36,341	3/4	25,572	3/4	14,916	3/4	4,272	3/4	
4	89,868	4	79,097	4	68,324	4	57,550	4	46,814	4	36,116	4	25,347	4	14,698	4	4,048	4	
1/4	89,644	1/4	78,873	1/4	68,099	1/4	57,326	1/4	46,592	1/4	35,892	1/4	25,123	1/4	14,479	1/4	3,824	1/4	
1/2	89,419	1/2	78,649	1/2	67,875	1/2	57,101	1/2	46,371	1/2	35,667	1/2	24,899	1/2	14,261	1/2	3,601	1/2	
3/4	89,195	3/4	78,424	3/4	67,650	3/4	56,877	3/4	46,150	3/4	35,443	3/4	24,674	3/4	14,043	3/4	3,377	3/4	
5	88,971	5	78,200	5	67,426	5	56,652	5	45,928	5	35,219	5	24,450	5	13,824	5	3,153	5	
1/4	88,746	1/4	77,975	1/4	67,202	1/4	56,428	1/4	45,707	1/4	34,994	1/4	24,226	1/4	13,606	1/4	2,930	1/4	
1/2	88,522	1/2	77,751	1/2	66,977	1/2	56,204	1/2	45,485	1/2	34,770	1/2	24,001	1/2	13,387	1/2	2,707	1/2	
3/4	88,298	3/4	77,526	3/4	66,753	3/4	55,979	3/4	45,264	3/4	34,546	3/4	23,777	3/4	13,169	3/4	2,484	3/4	
6	88,073	6	77,302	6	66,528	6	55,755	6	45,043	6	34,321	6	23,553	6	12,951	6	2,261	6	
1/4	87,849	1/4	77,077	1/4	66,304	1/4	55,530	1/4	44,821	1/4	34,097	1/4	23,328	1/4	12,732	1/4	2,040	1/4	
1/2	87,624	1/2	76,853	1/2	66,079	1/2	55,306	1/2	44,600	1/2	33,873	1/2	23,104	1/2	12,514	1/2	1,818	1/2	
3/4	87,400	3/4	76,628	3/4	65,855	3/4	55,081	3/4	44,379	3/4	33,648	3/4	22,879	3/4	12,296	3/4	1,597	3/4	
7	87,176	7	76,404	7	65,630	7	54,857	7	44,157	7	33,424	7	22,655	7	12,078	7	1,376	7	
1/4	86,951	1/4	76,180	1/4	65,406	1/4	54,632	1/4	43,936	1/4	33,200	1/4	22,431	1/4	11,859	1/4	1,189	1/4	
1/2	86,727	1/2	75,955	1/2	65,182	1/2	54,408	1/2	43,714	1/2	32,975	1/2	22,206	1/2	11,641	1/2	1,002	1/2	
3/4	86,503	3/4	75,731	3/4	64,957	3/4	54,183	3/4	43,493	3/4	32,751	3/4	21,982	3/4	11,422	3/4	814	3/4	
8	86,278	8	75,506	8	64,733	8	53,959	8	43,272	8	32,527	8	21,758	8	11,204	8	627	8	
1/4	86,054	1/4	75,282	1/4	64,508	1/4	53,735	1/4	43,050	1/4	32,302	1/4	21,533	1/4	10,985	1/4	515	1/4	
1/2	85,830	1/2	75,057	1/2	64,284	1/2	53,510	1/2	42,829	1/2	32,078	1/2	21,309	1/2	10,767	1/2	402	1/2	
3/4	85,605	3/4	74,833	3/4	64,059	3/4	53,286	3/4	42,608	3/4	31,853	3/4	21,085	3/4	10,548	3/4	290	3/4	
9	85,381	9	74,608	9	63,835	9	53,061	9	42,386	9	31,629	9	20,860	9	10,330	9	177	9	
1/4	85,157	1/4	74,384	1/4	63,610	1/4	52,837	1/4	42,165	1/4	31,405	1/4	20,636	1/4	10,106	1/4	140	1/4	
1/2	84,932	1/2	74,160	1/2	63,386	1/2	52,612	1/2	41,943	1/2	31,180	1/2	20,412	1/2	9,881	1/2	102	1/2	
3/4	84,708	3/4	73,935	3/4	63,161	3/4	52,388	3/4	41,722	3/4	30,956	3/4	20,187	3/4	9,657	3/4	65	3/4	
10	84,483	10	73,711	10	62,937	10	52,163	10	41,501	10	30,732	10	19,963	10	9,432	10	27	10	
1/4	84,259	1/4	73,486	1/4	62,713	1/4	51,939	1/4	41,276	1/4	30,507	1/4	19,739	1/4	9,208	1/4		1/4	
1/2	84,035	1/2	73,262	1/2	62,488	1/2	51,715	1/2	41,052	1/2	30,283	1/2	19,514	1/2	8,984	1/2		1/2	
3/4	83,810	3/4	73,037	3/4	62,264	3/4	51,490	3/4	40,828	3/4	30,059	3/4	19,290	3/4	8,759	3/4		3/4	
11	83,586	11	72,813	11	62,039	11	51,266	11	40,603	11	29,834	11	19,065	11	8,535	11		11	
1/4	83,362	1/4	72,588	1/4	61,815	1/4	51,041	1/4	40,379	1/4	29,610	1/4	18,847	1/4	8,311	1/4		1/4	
1/2	83,137	1/2	72,364	1/2	61,590	1/2	50,817	1/2	40,154	1/2	29,386	1/2	18,629	1/2	8,086	1/2		1/2	
3/4	82,913	3/4	72,139	3/4	61,366	3/4	50,592	3/4	39,930	3/4	29,161	3/4	18,410	3/4	7,862	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/01/2022 JS  
CALCULATED: 04/01/2022 CL  
PRINTED: 04/01/2022 CL

PRECISION MEASUREMENT  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2022



# BARGE "DBL 149"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>175,635</b>	<b>1</b>	<b>163,893</b>	<b>1</b>	<b>151,881</b>	<b>1</b>	<b>139,848</b>	<b>1</b>	<b>128,815</b>	<b>1</b>	<b>116,782</b>	<b>1</b>	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>174,769</b>	<b>2</b>	<b>162,900</b>	<b>2</b>	<b>150,878</b>	<b>2</b>	<b>138,845</b>	<b>2</b>	<b>126,812</b>	<b>2</b>	<b>114,779</b>	<b>2</b>	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>173,799</b>	<b>3</b>	<b>161,906</b>	<b>3</b>	<b>149,875</b>	<b>3</b>	<b>137,842</b>	<b>3</b>	<b>125,809</b>	<b>3</b>	<b>113,776</b>	<b>3</b>	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>172,818</b>	<b>4</b>	<b>160,906</b>	<b>4</b>	<b>148,873</b>	<b>4</b>	<b>136,839</b>	<b>4</b>	<b>124,806</b>	<b>4</b>	<b>112,773</b>	<b>4</b>	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>171,837</b>	<b>5</b>	<b>159,903</b>	<b>5</b>	<b>147,870</b>	<b>5</b>	<b>135,837</b>	<b>5</b>	<b>123,804</b>	<b>5</b>	<b>111,770</b>	<b>5</b>	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>170,847</b>	<b>6</b>	<b>158,900</b>	<b>6</b>	<b>146,867</b>	<b>6</b>	<b>134,834</b>	<b>6</b>	<b>122,801</b>	<b>6</b>	<b>110,768</b>	<b>6</b>	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>169,854</b>	<b>7</b>	<b>157,897</b>	<b>7</b>	<b>145,864</b>	<b>7</b>	<b>133,831</b>	<b>7</b>	<b>121,798</b>	<b>7</b>	<b>109,765</b>	<b>7</b>	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>168,860</b>	<b>8</b>	<b>156,895</b>	<b>8</b>	<b>144,862</b>	<b>8</b>	<b>132,828</b>	<b>8</b>	<b>120,795</b>	<b>8</b>	<b>108,762</b>	<b>8</b>	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>167,867</b>	<b>9</b>	<b>155,892</b>	<b>9</b>	<b>143,859</b>	<b>9</b>	<b>131,826</b>	<b>9</b>	<b>119,793</b>	<b>9</b>	<b>107,759</b>	<b>9</b>	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>166,873</b>	<b>10</b>	<b>154,889</b>	<b>10</b>	<b>142,856</b>	<b>10</b>	<b>130,823</b>	<b>10</b>	<b>118,790</b>	<b>10</b>	<b>106,757</b>	<b>10</b>	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>165,880</b>	<b>11</b>	<b>153,886</b>	<b>11</b>	<b>141,853</b>	<b>11</b>	<b>129,820</b>	<b>11</b>	<b>117,787</b>	<b>11</b>	<b>105,754</b>	<b>11</b>	
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	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
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	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
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	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
								<b>176,454</b>		<b>165,632</b>		<b>153,636</b>		<b>141,603</b>		<b>129,569</b>		<b>117,536</b>		<b>105,503</b>
								<b>176,370</b>		<b>165,383</b>		<b>153,385</b>		<b>141,352</b>		<b>129,319</b>		<b>117,286</b>		<b>105,253</b>
								<b>176,287</b>		<b>165,135</b>		<b>153,134</b>		<b>141,101</b>		<b>129,068</b>		<b>117,035</b>		<b>105,002</b>

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 ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 30'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 149"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 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	104,751	0	92,718	0	80,679	0	68,640	0	56,601	0	44,562	0	32,524	0	20,509	0	8,772	0	
1/4	104,500	1/4	92,467	1/4	80,428	1/4	68,390	1/4	56,351	1/4	44,312	1/4	32,273	1/4	20,267	1/4	8,521	1/4	
1/2	104,250	1/2	92,217	1/2	80,178	1/2	68,139	1/2	56,100	1/2	44,061	1/2	32,022	1/2	20,024	1/2	8,271	1/2	
3/4	103,999	3/4	91,966	3/4	79,927	3/4	67,888	3/4	55,849	3/4	43,810	3/4	31,771	3/4	19,781	3/4	8,020	3/4	
1	103,748	1	91,715	1	79,676	1	67,637	1	55,598	1	43,559	1	31,520	1	19,539	1	7,769	1	
1/4	103,498	1/4	91,464	1/4	79,425	1/4	67,386	1/4	55,347	1/4	43,308	1/4	31,270	1/4	19,296	1/4	7,519	1/4	
1/2	103,247	1/2	91,213	1/2	79,174	1/2	67,135	1/2	55,097	1/2	43,058	1/2	31,019	1/2	19,054	1/2	7,268	1/2	
3/4	102,996	3/4	90,962	3/4	78,924	3/4	66,885	3/4	54,846	3/4	42,807	3/4	30,768	3/4	18,811	3/4	7,017	3/4	
2	102,746	2	90,712	2	78,673	2	66,634	2	54,595	2	42,556	2	30,517	2	18,568	2	6,767	2	
1/4	102,495	1/4	90,461	1/4	78,422	1/4	66,383	1/4	54,344	1/4	42,305	1/4	30,266	1/4	18,326	1/4	6,516	1/4	
1/2	102,244	1/2	90,210	1/2	78,171	1/2	66,132	1/2	54,093	1/2	42,054	1/2	30,015	1/2	18,083	1/2	6,265	1/2	
3/4	101,994	3/4	89,959	3/4	77,920	3/4	65,881	3/4	53,842	3/4	41,804	3/4	29,765	3/4	17,841	3/4	6,014	3/4	
3	101,743	3	89,708	3	77,670	3	65,631	3	53,592	3	41,553	3	29,514	3	17,598	3	5,764	3	
1/4	101,492	1/4	89,458	1/4	77,419	1/4	65,380	1/4	53,341	1/4	41,302	1/4	29,263	1/4	17,355	1/4	5,513	1/4	
1/2	101,241	1/2	89,207	1/2	77,168	1/2	65,129	1/2	53,090	1/2	41,051	1/2	29,012	1/2	17,113	1/2	5,262	1/2	
3/4	100,991	3/4	88,956	3/4	76,917	3/4	64,878	3/4	52,839	3/4	40,800	3/4	28,761	3/4	16,870	3/4	5,012	3/4	
4	100,740	4	88,705	4	76,666	4	64,627	4	52,588	4	40,550	4	28,511	4	16,627	4	4,761	4	
1/4	100,489	1/4	88,454	1/4	76,415	1/4	64,377	1/4	52,338	1/4	40,299	1/4	28,260	1/4	16,385	1/4	4,511	1/4	
1/2	100,239	1/2	88,204	1/2	76,165	1/2	64,126	1/2	52,087	1/2	40,048	1/2	28,009	1/2	16,142	1/2	4,261	1/2	
3/4	99,988	3/4	87,953	3/4	75,914	3/4	63,875	3/4	51,836	3/4	39,797	3/4	27,758	3/4	15,900	3/4	4,011	3/4	
5	99,737	5	87,702	5	75,663	5	63,624	5	51,585	5	39,546	5	27,507	5	15,657	5	3,762	5	
1/4	99,487	1/4	87,451	1/4	75,412	1/4	63,373	1/4	51,334	1/4	39,295	1/4	27,257	1/4	15,414	1/4	3,512	1/4	
1/2	99,236	1/2	87,200	1/2	75,161	1/2	63,122	1/2	51,084	1/2	39,045	1/2	27,006	1/2	15,172	1/2	3,263	1/2	
3/4	98,985	3/4	86,950	3/4	74,911	3/4	62,872	3/4	50,833	3/4	38,794	3/4	26,755	3/4	14,929	3/4	3,014	3/4	
6	98,735	6	86,699	6	74,660	6	62,621	6	50,582	6	38,543	6	26,504	6	14,687	6	2,766	6	
1/4	98,484	1/4	86,448	1/4	74,409	1/4	62,370	1/4	50,331	1/4	38,292	1/4	26,253	1/4	14,444	1/4	2,517	1/4	
1/2	98,233	1/2	86,197	1/2	74,158	1/2	62,119	1/2	50,080	1/2	38,041	1/2	26,002	1/2	14,202	1/2	2,270	1/2	
3/4	97,983	3/4	85,946	3/4	73,907	3/4	61,868	3/4	49,830	3/4	37,791	3/4	25,752	3/4	13,959	3/4	2,024	3/4	
7	97,732	7	85,695	7	73,657	7	61,618	7	49,579	7	37,540	7	25,501	7	13,717	7	1,777	7	
1/4	97,481	1/4	85,445	1/4	73,406	1/4	61,367	1/4	49,328	1/4	37,289	1/4	25,250	1/4	13,474	1/4	1,531	1/4	
1/2	97,230	1/2	85,194	1/2	73,155	1/2	61,116	1/2	49,077	1/2	37,038	1/2	24,999	1/2	13,231	1/2	1,322	1/2	
3/4	96,980	3/4	84,943	3/4	72,904	3/4	60,865	3/4	48,826	3/4	36,787	3/4	24,748	3/4	12,988	3/4	1,113	3/4	
8	96,729	8	84,692	8	72,653	8	60,614	8	48,575	8	36,537	8	24,498	8	12,745	8	905	8	
1/4	96,478	1/4	84,441	1/4	72,402	1/4	60,364	1/4	48,325	1/4	36,286	1/4	24,247	1/4	12,502	1/4	696	1/4	
1/2	96,228	1/2	84,191	1/2	72,152	1/2	60,113	1/2	48,074	1/2	36,035	1/2	23,996	1/2	12,258	1/2	570	1/2	
3/4	95,977	3/4	83,940	3/4	71,901	3/4	59,862	3/4	47,823	3/4	35,784	3/4	23,745	3/4	12,015	3/4	445	3/4	
9	95,726	9	83,689	9	71,650	9	59,611	9	47,572	9	35,533	9	23,494	9	11,772	9	320	9	
1/4	95,476	1/4	83,438	1/4	71,399	1/4	59,360	1/4	47,321	1/4	35,282	1/4	23,244	1/4	11,529	1/4	194	1/4	
1/2	95,225	1/2	83,187	1/2	71,148	1/2	59,110	1/2	47,071	1/2	35,032	1/2	22,993	1/2	11,278	1/2	153	1/2	
3/4	94,974	3/4	82,937	3/4	70,898	3/4	58,859	3/4	46,820	3/4	34,781	3/4	22,742	3/4	11,028	3/4	111	3/4	
10	94,724	10	82,686	10	70,647	10	58,608	10	46,569	10	34,530	10	22,491	10	10,777	10	69	10	
1/4	94,473	1/4	82,435	1/4	70,396	1/4	58,357	1/4	46,318	1/4	34,279	1/4	22,240	1/4	10,526	1/4	27	1/4	
1/2	94,222	1/2	82,184	1/2	70,145	1/2	58,106	1/2	46,067	1/2	34,028	1/2	21,990	1/2	10,276	1/2		1/2	
3/4	93,971	3/4	81,933	3/4	69,894	3/4	57,855	3/4	45,817	3/4	33,778	3/4	21,739	3/4	10,025	3/4		3/4	
11	93,721	11	81,682	11	69,644	11	57,605	11	45,566	11	33,527	11	21,488	11	9,774	11		11	
1/4	93,470	1/4	81,432	1/4	69,393	1/4	57,354	1/4	45,315	1/4	33,276	1/4	21,237	1/4	9,524	1/4		1/4	
1/2	93,219	1/2	81,181	1/2	69,142	1/2	57,103	1/2	45,064	1/2	33,025	1/2	20,994	1/2	9,273	1/2		1/2	
3/4	92,969	3/4	80,930	3/4	68,891	3/4	56,852	3/4	44,813	3/4	32,774	3/4	20,752	3/4	9,022	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/01/2022 JS  
CALCULATED: 04/01/2022 CL  
PRINTED: 04/01/2022 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2022

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



# BARGE "DBL 149"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 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	0	0	0	0	0	0	0	0	155,540	0	145,717	0	135,147	0	124,548	0	113,949	0	103,351
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	155,466	1/4	145,498	1/4	134,926	1/4	124,327	1/4	113,729	1/4	103,130
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	155,393	1/2	145,279	1/2	134,705	1/2	124,106	1/2	113,508	1/2	102,909
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	155,250	3/4	145,060	3/4	134,484	3/4	123,886	3/4	113,287	3/4	102,688
1	1	1	1	1	1	1	1	1	155,108	1	144,842	1	134,263	1	123,665	1	113,066	1	102,468
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	154,966	1/4	144,623	1/4	134,043	1/4	123,444	1/4	112,845	1/4	102,247
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	154,823	1/2	144,404	1/2	133,822	1/2	123,223	1/2	112,625	1/2	102,026
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	154,617	3/4	144,185	3/4	133,601	3/4	123,002	3/4	112,404	3/4	101,805
2	2	2	2	2	2	2	2	2	154,410	2	143,967	2	133,380	2	122,782	2	112,183	2	101,584
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	154,203	1/4	143,748	1/4	133,159	1/4	122,561	1/4	111,962	1/4	101,364
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	153,996	1/2	143,529	1/2	132,939	1/2	122,340	1/2	111,741	1/2	101,143
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	153,780	3/4	143,310	3/4	132,718	3/4	122,119	3/4	111,521	3/4	100,922
3	3	3	3	3	3	3	3	3	153,565	3	143,091	3	132,497	3	121,898	3	111,300	3	100,701
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	153,349	1/4	142,873	1/4	132,276	1/4	121,678	1/4	111,079	1/4	100,480
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	153,133	1/2	142,654	1/2	132,055	1/2	121,457	1/2	110,858	1/2	100,260
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	152,917	3/4	142,433	3/4	131,835	3/4	121,236	3/4	110,637	3/4	100,039
4	4	4	4	4	4	4	4	4	152,701	4	142,212	4	131,614	4	121,015	4	110,417	4	99,818
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	152,485	1/4	141,992	1/4	131,393	1/4	120,794	1/4	110,196	1/4	99,597
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	152,269	1/2	141,771	1/2	131,172	1/2	120,574	1/2	109,975	1/2	99,376
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	152,053	3/4	141,550	3/4	130,951	3/4	120,353	3/4	109,754	3/4	99,156
5	5	5	5	5	5	5	5	5	151,837	5	141,329	5	130,731	5	120,132	5	109,533	5	98,935
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	151,621	1/4	141,108	1/4	130,510	1/4	119,911	1/4	109,313	1/4	98,714
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	151,405	1/2	140,887	1/2	130,289	1/2	119,690	1/2	109,092	1/2	98,493
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	151,186	3/4	140,667	3/4	130,068	3/4	119,470	3/4	108,871	3/4	98,272
6	6	6	6	6	6	6	6	6	150,967	6	140,446	6	129,847	6	119,249	6	108,650	6	98,052
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	150,749	1/4	140,225	1/4	129,627	1/4	119,028	1/4	108,429	1/4	97,831
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	150,530	1/2	140,004	1/2	129,406	1/2	118,807	1/2	108,209	1/2	97,610
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	150,311	3/4	139,783	3/4	129,185	3/4	118,586	3/4	107,988	3/4	97,389
7	7	7	7	7	7	7	7	7	150,092	7	139,563	7	128,964	7	118,366	7	107,767	7	97,168
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	149,873	1/4	139,342	1/4	128,743	1/4	118,145	1/4	107,546	1/4	96,948
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	149,655	1/2	139,121	1/2	128,522	1/2	117,924	1/2	107,325	1/2	96,727
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	149,436	3/4	138,900	3/4	128,302	3/4	117,703	3/4	107,105	3/4	96,506
8	8	8	8	8	8	8	8	8	149,217	8	138,679	8	128,081	8	117,482	8	106,884	8	96,285
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	148,998	1/4	138,459	1/4	127,860	1/4	117,262	1/4	106,663	1/4	96,064
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	148,780	1/2	138,238	1/2	127,639	1/2	117,041	1/2	106,442	1/2	95,844
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	148,561	3/4	138,017	3/4	127,418	3/4	116,820	3/4	106,221	3/4	95,623
9	9	9	9	9	9	9	9	9	148,342	9	137,796	9	127,198	9	116,599	9	106,001	9	95,402
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	148,123	1/4	137,575	1/4	126,977	1/4	116,378	1/4	105,780	1/4	95,181
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,904	1/2	137,355	1/2	126,756	1/2	116,157	1/2	105,559	1/2	94,960
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	147,686	3/4	137,134	3/4	126,535	3/4	115,937	3/4	105,338	3/4	94,740
10	10	10	10	10	10	10	10	10	147,467	10	136,913	10	126,314	10	115,716	10	105,117	10	94,519
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,248	1/4	136,692	1/4	126,094	1/4	115,495	1/4	104,897	1/4	94,298
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,029	1/2	136,471	1/2	125,873	1/2	115,274	1/2	104,676	1/2	94,077
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	146,811	3/4	136,251	3/4	125,652	3/4	115,053	3/4	104,455	3/4	93,856
11	11	11	11	11	11	11	11	11	146,592	11	136,030	11	125,431	11	114,833	11	104,234	11	93,636
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	146,373	1/4	135,809	1/4	125,210	1/4	114,612	1/4	104,013	1/4	93,415
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	155,687	1/2	146,154	1/2	135,588	1/2	124,990	1/2	114,391	1/2	93,194
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	155,614	3/4	145,936	3/4	135,367	3/4	124,769	3/4	114,170	3/4	92,973

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 ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 149"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-10 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	92,752	0	82,154	0	71,550	0	60,947	0	50,343	0	39,739	0	29,136	0	18,535	0	7,951	0	
1/4	92,532	1/4	81,933	1/4	71,329	1/4	60,726	1/4	50,122	1/4	39,518	1/4	28,915	1/4	18,315	1/4	7,730	1/4	
1/2	92,311	1/2	81,712	1/2	71,109	1/2	60,505	1/2	49,901	1/2	39,298	1/2	28,694	1/2	18,094	1/2	7,509	1/2	
3/4	92,090	3/4	81,491	3/4	70,888	3/4	60,284	3/4	49,680	3/4	39,077	3/4	28,473	3/4	17,874	3/4	7,289	3/4	
1	91,869	1	81,270	1	70,667	1	60,063	1	49,459	1	38,856	1	28,252	1	17,654	1	7,068	1	
1/4	91,648	1/4	81,049	1/4	70,446	1/4	59,842	1/4	49,238	1/4	38,635	1/4	28,031	1/4	17,433	1/4	6,847	1/4	
1/2	91,428	1/2	80,829	1/2	70,225	1/2	59,621	1/2	49,018	1/2	38,414	1/2	27,810	1/2	17,213	1/2	6,626	1/2	
3/4	91,207	3/4	80,608	3/4	70,004	3/4	59,400	3/4	48,797	3/4	38,193	3/4	27,589	3/4	16,993	3/4	6,405	3/4	
2	90,986	2	80,387	2	69,783	2	59,179	2	48,576	2	37,972	2	27,368	2	16,772	2	6,184	2	
1/4	90,765	1/4	80,166	1/4	69,562	1/4	58,958	1/4	48,355	1/4	37,751	1/4	27,148	1/4	16,552	1/4	5,963	1/4	
1/2	90,544	1/2	79,945	1/2	69,341	1/2	58,738	1/2	48,134	1/2	37,530	1/2	26,927	1/2	16,332	1/2	5,742	1/2	
3/4	90,323	3/4	79,724	3/4	69,120	3/4	58,517	3/4	47,913	3/4	37,309	3/4	26,706	3/4	16,112	3/4	5,521	3/4	
3	90,103	3	79,503	3	68,899	3	58,296	3	47,692	3	37,088	3	26,485	3	15,891	3	5,301	3	
1/4	89,882	1/4	79,282	1/4	68,679	1/4	58,075	1/4	47,471	1/4	36,868	1/4	26,264	1/4	15,671	1/4	5,080	1/4	
1/2	89,661	1/2	79,061	1/2	68,458	1/2	57,854	1/2	47,250	1/2	36,647	1/2	26,043	1/2	15,451	1/2	4,859	1/2	
3/4	89,440	3/4	78,840	3/4	68,237	3/4	57,633	3/4	47,029	3/4	36,426	3/4	25,822	3/4	15,230	3/4	4,638	3/4	
4	89,219	4	78,619	4	68,016	4	57,412	4	46,808	4	36,205	4	25,601	4	15,010	4	4,418	4	
1/4	88,999	1/4	78,399	1/4	67,795	1/4	57,191	1/4	46,588	1/4	35,984	1/4	25,380	1/4	14,790	1/4	4,197	1/4	
1/2	88,778	1/2	78,178	1/2	67,574	1/2	56,970	1/2	46,367	1/2	35,763	1/2	25,159	1/2	14,569	1/2	3,976	1/2	
3/4	88,557	3/4	77,957	3/4	67,353	3/4	56,749	3/4	46,146	3/4	35,542	3/4	24,938	3/4	14,349	3/4	3,756	3/4	
5	88,336	5	77,736	5	67,132	5	56,528	5	45,925	5	35,321	5	24,718	5	14,129	5	3,536	5	
1/4	88,115	1/4	77,515	1/4	66,911	1/4	56,308	1/4	45,704	1/4	35,100	1/4	24,497	1/4	13,909	1/4	3,316	1/4	
1/2	87,895	1/2	77,294	1/2	66,690	1/2	56,087	1/2	45,483	1/2	34,879	1/2	24,276	1/2	13,688	1/2	3,096	1/2	
3/4	87,674	3/4	77,073	3/4	66,469	3/4	55,866	3/4	45,262	3/4	34,658	3/4	24,055	3/4	13,468	3/4	2,877	3/4	
6	87,453	6	76,852	6	66,248	6	55,645	6	45,041	6	34,438	6	23,834	6	13,248	6	2,658	6	
1/4	87,232	1/4	76,631	1/4	66,028	1/4	55,424	1/4	44,820	1/4	34,217	1/4	23,613	1/4	13,027	1/4	2,439	1/4	
1/2	87,011	1/2	76,410	1/2	65,807	1/2	55,203	1/2	44,599	1/2	33,996	1/2	23,392	1/2	12,807	1/2	2,220	1/2	
3/4	86,791	3/4	76,189	3/4	65,586	3/4	54,982	3/4	44,378	3/4	33,775	3/4	23,171	3/4	12,587	3/4	2,003	3/4	
7	86,570	7	75,969	7	65,365	7	54,761	7	44,158	7	33,554	7	22,950	7	12,367	7	1,786	7	
1/4	86,349	1/4	75,748	1/4	65,144	1/4	54,540	1/4	43,937	1/4	33,333	1/4	22,729	1/4	12,146	1/4	1,569	1/4	
1/2	86,128	1/2	75,527	1/2	64,923	1/2	54,319	1/2	43,716	1/2	33,112	1/2	22,508	1/2	11,926	1/2	1,351	1/2	
3/4	85,907	3/4	75,306	3/4	64,702	3/4	54,098	3/4	43,495	3/4	32,891	3/4	22,288	3/4	11,705	3/4	1,168	3/4	
8	85,687	8	75,085	8	64,481	8	53,878	8	43,274	8	32,670	8	22,067	8	11,485	8	984	8	
1/4	85,466	1/4	74,864	1/4	64,260	1/4	53,657	1/4	43,053	1/4	32,449	1/4	21,846	1/4	11,264	1/4	800	1/4	
1/2	85,245	1/2	74,643	1/2	64,039	1/2	53,436	1/2	42,832	1/2	32,228	1/2	21,625	1/2	11,044	1/2	616	1/2	
3/4	85,024	3/4	74,422	3/4	63,818	3/4	53,215	3/4	42,611	3/4	32,008	3/4	21,404	3/4	10,823	3/4	506	3/4	
9	84,803	9	74,201	9	63,598	9	52,994	9	42,390	9	31,787	9	21,183	9	10,602	9	395	9	
1/4	84,583	1/4	73,980	1/4	63,377	1/4	52,773	1/4	42,169	1/4	31,566	1/4	20,962	1/4	10,381	1/4	285	1/4	
1/2	84,362	1/2	73,759	1/2	63,156	1/2	52,552	1/2	41,948	1/2	31,345	1/2	20,741	1/2	10,160	1/2	174	1/2	
3/4	84,141	3/4	73,539	3/4	62,935	3/4	52,331	3/4	41,728	3/4	31,124	3/4	20,520	3/4	9,939	3/4	138	3/4	
10	83,920	10	73,318	10	62,714	10	52,110	10	41,507	10	30,903	10	20,299	10	9,718	10	101	10	
1/4	83,699	1/4	73,097	1/4	62,493	1/4	51,889	1/4	41,286	1/4	30,682	1/4	20,078	1/4	9,498	1/4	64	1/4	
1/2	83,479	1/2	72,876	1/2	62,272	1/2	51,668	1/2	41,065	1/2	30,461	1/2	19,858	1/2	9,277	1/2	27	1/2	
3/4	83,258	3/4	72,655	3/4	62,051	3/4	51,448	3/4	40,844	3/4	30,240	3/4	19,637	3/4	9,056	3/4		3/4	
11	83,037	11	72,434	11	61,830	11	51,227	11	40,623	11	30,019	11	19,416	11	8,835	11		11	
1/4	82,816	1/4	72,213	1/4	61,609	1/4	51,006	1/4	40,402	1/4	29,798	1/4	19,196	1/4	8,614	1/4		1/4	
1/2	82,595	1/2	71,992	1/2	61,388	1/2	50,785	1/2	40,181	1/2	29,578	1/2	18,975	1/2	8,393	1/2		1/2	
3/4	82,375	3/4	71,771	3/4	61,168	3/4	50,564	3/4	39,960	3/4	29,357	3/4	18,755	3/4	8,172	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/01/2022 JS  
CALCULATED: 04/01/2022 CL  
PRINTED: 04/01/2022 CL

PRECISION MEASUREMENT  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 04/2022