



BARGE "DBL 93"

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>
1 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 CENTER	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 CENTER	- 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)

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 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 159'-00"

June 18, 2012

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

<http://www.pmacorp.net>



BARGE "DBL 93"

1 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.			
IN	0	IN	0	IN	0	IN	0	IN	150,890	IN	0	IN	133,205	IN	0	IN	114,465	IN	0	IN	104,543
1/4		1/4		1/4		1/4		1/4	150,867	1/4		1/4	133,009	1/4		1/4	114,269	1/4		1/4	104,319
1/2		1/2		1/2		1/2		1/2	150,811	1/2		1/2	132,814	1/2		1/2	114,074	1/2		1/2	104,095
3/4		3/4		3/4		3/4		3/4	150,756	3/4		3/4	132,619	3/4		3/4	113,879	3/4		3/4	103,871
1	1	1	1	1	1	1	1	1	150,700	1	1	1	132,424	1	1	1	113,684	1	1	1	103,647
1/4		1/4		1/4		1/4		1/4	150,644	1/4		1/4	132,228	1/4		1/4	113,489	1/4		1/4	103,423
1/2		1/2		1/2		1/2		1/2	150,499	1/2		1/2	132,033	1/2		1/2	113,293	1/2		1/2	103,199
3/4		3/4		3/4		3/4		3/4	150,353	3/4		3/4	131,838	3/4		3/4	113,098	3/4		3/4	102,975
2	2	2	2	2	2	2	2	2	150,208	2	2	2	131,643	2	2	2	112,903	2	2	2	102,751
1/4		1/4		1/4		1/4		1/4	150,062	1/4		1/4	131,448	1/4		1/4	112,708	1/4		1/4	102,527
1/2		1/2		1/2		1/2		1/2	149,872	1/2		1/2	131,252	1/2		1/2	112,513	1/2		1/2	102,303
3/4		3/4		3/4		3/4		3/4	149,681	3/4		3/4	131,057	3/4		3/4	112,317	3/4		3/4	102,079
3	3	3	3	3	3	3	3	3	149,490	3	3	3	130,862	3	3	3	112,122	3	3	3	101,855
1/4		1/4		1/4		1/4		1/4	149,300	1/4		1/4	130,667	1/4		1/4	111,927	1/4		1/4	101,631
1/2		1/2		1/2		1/2		1/2	149,109	1/2		1/2	130,472	1/2		1/2	111,732	1/2		1/2	101,407
3/4		3/4		3/4		3/4		3/4	148,919	3/4		3/4	130,276	3/4		3/4	111,537	3/4		3/4	101,183
4	4	4	4	4	4	4	4	4	148,728	4	4	4	130,081	4	4	4	111,341	4	4	4	100,959
1/4		1/4		1/4		1/4		1/4	148,537	1/4		1/4	129,886	1/4		1/4	111,146	1/4		1/4	100,735
1/2		1/2		1/2		1/2		1/2	148,347	1/2		1/2	129,691	1/2		1/2	110,951	1/2		1/2	100,511
3/4		3/4		3/4		3/4		3/4	148,156	3/4		3/4	129,496	3/4		3/4	110,756	3/4		3/4	100,287
5	5	5	5	5	5	5	5	5	147,966	5	5	5	129,300	5	5	5	110,561	5	5	5	100,063
1/4		1/4		1/4		1/4		1/4	147,775	1/4		1/4	129,105	1/4		1/4	110,365	1/4		1/4	99,839
1/2		1/2		1/2		1/2		1/2	147,582	1/2		1/2	128,910	1/2		1/2	110,170	1/2		1/2	99,615
3/4		3/4		3/4		3/4		3/4	147,388	3/4		3/4	128,715	3/4		3/4	109,975	3/4		3/4	99,391
6	6	6	6	6	6	6	6	6	147,195	6	6	6	128,520	6	6	6	109,780	6	6	6	99,167
1/4		1/4		1/4		1/4		1/4	147,001	1/4		1/4	128,324	1/4		1/4	109,585	1/4		1/4	98,943
1/2		1/2		1/2		1/2		1/2	146,808	1/2		1/2	128,129	1/2		1/2	109,389	1/2		1/2	98,719
3/4		3/4		3/4		3/4		3/4	146,614	3/4		3/4	127,934	3/4		3/4	109,194	3/4		3/4	98,495
7	7	7	7	7	7	7	7	7	146,421	7	7	7	127,739	7	7	7	108,999	7	7	7	98,271
1/4		1/4		1/4		1/4		1/4	146,227	1/4		1/4	127,544	1/4		1/4	108,804	1/4		1/4	98,047
1/2		1/2		1/2		1/2		1/2	146,034	1/2		1/2	127,348	1/2		1/2	108,579	1/2		1/2	97,823
3/4		3/4		3/4		3/4		3/4	145,841	3/4		3/4	127,153	3/4		3/4	108,355	3/4		3/4	97,599
8	8	8	8	8	8	8	8	8	145,647	8	8	8	126,958	8	8	8	108,130	8	8	8	97,375
1/4		1/4		1/4		1/4		1/4	145,454	1/4		1/4	126,763	1/4		1/4	107,935	1/4		1/4	97,151
1/2		1/2		1/2		1/2		1/2	145,260	1/2		1/2	126,567	1/2		1/2	107,681	1/2		1/2	96,927
3/4		3/4		3/4		3/4		3/4	145,067	3/4		3/4	126,372	3/4		3/4	107,456	3/4		3/4	96,703
9	9	9	9	9	9	9	9	9	144,873	9	9	9	126,177	9	9	9	107,232	9	9	9	96,479
1/4		1/4		1/4		1/4		1/4	144,680	1/4		1/4	125,982	1/4		1/4	107,007	1/4		1/4	96,255
1/2		1/2		1/2		1/2		1/2	144,486	1/2		1/2	125,787	1/2		1/2	106,783	1/2		1/2	96,031
3/4		3/4		3/4		3/4		3/4	144,293	3/4		3/4	125,591	3/4		3/4	106,559	3/4		3/4	95,807
10	10	10	10	10	10	10	10	10	144,099	10	10	10	125,396	10	10	10	106,335	10	10	10	95,583
1/4		1/4		1/4		1/4		1/4	143,906	1/4		1/4	125,201	1/4		1/4	106,111	1/4		1/4	95,359
1/2		1/2		1/2		1/2		1/2	143,712	1/2		1/2	125,006	1/2		1/2	105,887	1/2		1/2	95,135
3/4		3/4		3/4		3/4		3/4	143,519	3/4		3/4	124,811	3/4		3/4	105,663	3/4		3/4	94,911
11	11	11	11	11	11	11	11	11	143,326	11	11	11	124,615	11	11	11	105,439	11	11	11	94,687
1/4		1/4		1/4		1/4		1/4	143,132	1/4		1/4	124,420	1/4		1/4	105,215	1/4		1/4	94,462
1/2		1/2		1/2		1/2		1/2	142,939	1/2		1/2	124,225	1/2		1/2	104,991	1/2		1/2	94,238
3/4		3/4		3/4		3/4		3/4	150,912	3/4		3/4	124,030	3/4		3/4	104,767	3/4		3/4	94,014

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 ON CENTERLINE AND 26'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "DBL 93"

1 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	93,790	0	83,038	0	72,281	0	61,524	0	50,767	0	40,122	0	29,369	0	18,635	0	8,103	0	
1/4	93,566	1/4	82,814	1/4	72,057	1/4	61,300	1/4	50,543	1/4	39,898	1/4	29,145	1/4	18,417	1/4	7,879	1/4	
1/2	93,342	1/2	82,590	1/2	71,833	1/2	61,076	1/2	50,321	1/2	39,674	1/2	28,921	1/2	18,199	1/2	7,655	1/2	
3/4	93,118	3/4	82,366	3/4	71,609	3/4	60,852	3/4	50,098	3/4	39,450	3/4	28,697	3/4	17,981	3/4	7,431	3/4	
1	92,894	1	82,142	1	71,385	1	60,628	1	49,876	1	39,226	1	28,473	1	17,763	1	7,207	1	
1/4	92,670	1/4	81,917	1/4	71,161	1/4	60,404	1/4	49,653	1/4	39,002	1/4	28,249	1/4	17,545	1/4	6,983	1/4	
1/2	92,446	1/2	81,693	1/2	70,936	1/2	60,180	1/2	49,430	1/2	38,778	1/2	28,025	1/2	17,327	1/2	6,759	1/2	
3/4	92,222	3/4	81,469	3/4	70,712	3/4	59,955	3/4	49,208	3/4	38,554	3/4	27,801	3/4	17,109	3/4	6,535	3/4	
2	91,998	2	81,245	2	70,488	2	59,731	2	48,985	2	38,330	2	27,577	2	16,891	2	6,311	2	
1/4	91,774	1/4	81,021	1/4	70,264	1/4	59,507	1/4	48,763	1/4	38,106	1/4	27,353	1/4	16,673	1/4	6,087	1/4	
1/2	91,550	1/2	80,797	1/2	70,040	1/2	59,283	1/2	48,542	1/2	37,882	1/2	27,129	1/2	16,455	1/2	5,863	1/2	
3/4	91,326	3/4	80,573	3/4	69,816	3/4	59,059	3/4	48,321	3/4	37,658	3/4	26,905	3/4	16,237	3/4	5,638	3/4	
3	91,102	3	80,349	3	69,592	3	58,835	3	48,100	3	37,434	3	26,681	3	16,019	3	5,414	3	
1/4	90,878	1/4	80,125	1/4	69,368	1/4	58,611	1/4	47,879	1/4	37,210	1/4	26,457	1/4	15,800	1/4	5,190	1/4	
1/2	90,654	1/2	79,901	1/2	69,144	1/2	58,387	1/2	47,658	1/2	36,986	1/2	26,233	1/2	15,582	1/2	4,966	1/2	
3/4	90,430	3/4	79,676	3/4	68,920	3/4	58,163	3/4	47,437	3/4	36,762	3/4	26,009	3/4	15,364	3/4	4,742	3/4	
4	90,206	4	79,452	4	68,695	4	57,939	4	47,216	4	36,538	4	25,785	4	15,146	4	4,518	4	
1/4	89,982	1/4	79,228	1/4	68,471	1/4	57,714	1/4	46,995	1/4	36,314	1/4	25,561	1/4	14,928	1/4	4,294	1/4	
1/2	89,758	1/2	79,004	1/2	68,247	1/2	57,490	1/2	46,774	1/2	36,090	1/2	25,337	1/2	14,710	1/2	4,069	1/2	
3/4	89,534	3/4	78,780	3/4	68,023	3/4	57,266	3/4	46,553	3/4	35,866	3/4	25,113	3/4	14,492	3/4	3,845	3/4	
5	89,310	5	78,556	5	67,799	5	57,042	5	46,331	5	35,642	5	24,889	5	14,274	5	3,621	5	
1/4	89,086	1/4	78,332	1/4	67,575	1/4	56,818	1/4	46,110	1/4	35,418	1/4	24,665	1/4	14,056	1/4	3,397	1/4	
1/2	88,862	1/2	78,108	1/2	67,351	1/2	56,594	1/2	45,889	1/2	35,194	1/2	24,441	1/2	13,838	1/2	3,172	1/2	
3/4	88,638	3/4	77,884	3/4	67,127	3/4	56,370	3/4	45,668	3/4	34,970	3/4	24,217	3/4	13,620	3/4	2,948	3/4	
6	88,414	6	77,660	6	66,903	6	56,146	6	45,447	6	34,746	6	23,993	6	13,402	6	2,723	6	
1/4	88,190	1/4	77,435	1/4	66,679	1/4	55,922	1/4	45,226	1/4	34,522	1/4	23,769	1/4	13,184	1/4	2,498	1/4	
1/2	87,966	1/2	77,211	1/2	66,454	1/2	55,698	1/2	45,005	1/2	34,298	1/2	23,545	1/2	12,966	1/2	2,274	1/2	
3/4	87,742	3/4	76,987	3/4	66,230	3/4	55,473	3/4	44,784	3/4	34,074	3/4	23,321	3/4	12,748	3/4	2,049	3/4	
7	87,518	7	76,763	7	66,006	7	55,249	7	44,563	7	33,850	7	23,097	7	12,530	7	1,824	7	
1/4	87,294	1/4	76,539	1/4	65,782	1/4	55,025	1/4	44,342	1/4	33,626	1/4	22,873	1/4	12,312	1/4	1,600	1/4	
1/2	87,070	1/2	76,315	1/2	65,558	1/2	54,801	1/2	44,121	1/2	33,402	1/2	22,649	1/2	12,094	1/2	1,386	1/2	
3/4	86,846	3/4	76,091	3/4	65,334	3/4	54,577	3/4	43,900	3/4	33,178	3/4	22,425	3/4	11,876	3/4	1,173	3/4	
8	86,622	8	75,867	8	65,110	8	54,353	8	43,679	8	32,954	8	22,201	8	11,658	8	959	8	
1/4	86,398	1/4	75,643	1/4	64,886	1/4	54,129	1/4	43,458	1/4	32,730	1/4	21,977	1/4	11,440	1/4	746	1/4	
1/2	86,174	1/2	75,419	1/2	64,662	1/2	53,905	1/2	43,237	1/2	32,506	1/2	21,753	1/2	11,222	1/2	611	1/2	
3/4	85,950	3/4	75,194	3/4	64,438	3/4	53,681	3/4	43,016	3/4	32,282	3/4	21,529	3/4	11,003	3/4	476	3/4	
9	85,726	9	74,970	9	64,213	9	53,456	9	42,795	9	32,058	9	21,305	9	10,785	9	342	9	
1/4	85,502	1/4	74,746	1/4	63,989	1/4	53,232	1/4	42,574	1/4	31,833	1/4	21,081	1/4	10,567	1/4	207	1/4	
1/2	85,278	1/2	74,522	1/2	63,765	1/2	53,008	1/2	42,353	1/2	31,609	1/2	20,857	1/2	10,343	1/2	162	1/2	
3/4	85,054	3/4	74,298	3/4	63,541	3/4	52,784	3/4	42,132	3/4	31,385	3/4	20,633	3/4	10,119	3/4	117	3/4	
10	84,830	10	74,074	10	63,317	10	52,560	10	41,911	10	31,161	10	20,409	10	9,895	10	72	10	
1/4	84,606	1/4	73,850	1/4	63,093	1/4	52,336	1/4	41,690	1/4	30,937	1/4	20,185	1/4	9,671	1/4	27	1/4	
1/2	84,382	1/2	73,626	1/2	62,869	1/2	52,112	1/2	41,466	1/2	30,713	1/2	19,961	1/2	9,447	1/2		1/2	
3/4	84,158	3/4	73,402	3/4	62,645	3/4	51,888	3/4	41,242	3/4	30,489	3/4	19,737	3/4	9,223	3/4		3/4	
11	83,934	11	73,178	11	62,421	11	51,664	11	41,018	11	30,265	11	19,513	11	8,999	11		11	
1/4	83,710	1/4	72,953	1/4	62,196	1/4	51,440	1/4	40,794	1/4	30,041	1/4	19,289	1/4	8,775	1/4		1/4	
1/2	83,486	1/2	72,729	1/2	61,972	1/2	51,215	1/2	40,570	1/2	29,817	1/2	19,071	1/2	8,551	1/2		1/2	
3/4	83,262	3/4	72,505	3/4	61,748	3/4	50,991	3/4	40,346	3/4	29,593	3/4	18,853	3/4	8,327	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/2012 CL - SW
CALCULATED: 06/18/2012 CL
PRINTED: 06/18/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "DBL 93"

2 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.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	176,417	0	165,335	0	153,300	0	141,236	0	129,173	0	117,110		
1/4		1/4		1/4		1/4		1/4	176,322	1/4	165,086	1/4	153,048	1/4	140,985	1/4	128,922	1/4	116,858		
1/2		1/2		1/2		1/2		1/2	176,227	1/2	164,837	1/2	152,797	1/2	140,734	1/2	128,670	1/2	116,607		
3/4		3/4		3/4		3/4		3/4	176,132	3/4	164,588	3/4	152,546	3/4	140,482	3/4	128,419	3/4	116,356		
1		1		1		1		1	176,037	1	164,339	1	152,294	1	140,231	1	128,168	1	116,104		
1/4		1/4		1/4		1/4		1/4	175,842	1/4	164,090	1/4	152,043	1/4	139,980	1/4	127,916	1/4	115,853		
1/2		1/2		1/2		1/2		1/2	175,647	1/2	163,841	1/2	151,792	1/2	139,728	1/2	127,665	1/2	115,602		
3/4		3/4		3/4		3/4		3/4	175,451	3/4	163,592	3/4	151,540	3/4	139,477	3/4	127,414	3/4	115,351		
2		2		2		2		2	175,256	2	163,343	2	151,289	2	139,226	2	127,162	2	115,099		
1/4		1/4		1/4		1/4		1/4	175,010	1/4	163,094	1/4	151,038	1/4	138,974	1/4	126,911	1/4	114,848		
1/2		1/2		1/2		1/2		1/2	174,765	1/2	162,845	1/2	150,786	1/2	138,723	1/2	126,660	1/2	114,597		
3/4		3/4		3/4		3/4		3/4	174,519	3/4	162,596	3/4	150,535	3/4	138,472	3/4	126,409	3/4	114,345		
3		3		3		3		3	174,273	3	162,347	3	150,284	3	138,221	3	126,157	3	114,094		
1/4		1/4		1/4		1/4		1/4	174,027	1/4	162,096	1/4	150,032	1/4	137,969	1/4	125,906	1/4	113,843		
1/2		1/2		1/2		1/2		1/2	173,781	1/2	161,844	1/2	149,781	1/2	137,718	1/2	125,655	1/2	113,591		
3/4		3/4		3/4		3/4		3/4	173,536	3/4	161,593	3/4	149,530	3/4	137,467	3/4	125,403	3/4	113,340		
4		4		4		4		4	173,290	4	161,342	4	149,279	4	137,215	4	125,152	4	113,089		
1/4		1/4		1/4		1/4		1/4	173,044	1/4	161,090	1/4	149,027	1/4	136,964	1/4	124,901	1/4	112,837		
1/2		1/2		1/2		1/2		1/2	172,798	1/2	160,839	1/2	148,776	1/2	136,713	1/2	124,649	1/2	112,586		
3/4		3/4		3/4		3/4		3/4	172,552	3/4	160,588	3/4	148,525	3/4	136,461	3/4	124,398	3/4	112,335		
5		5		5		5		5	172,307	5	160,337	5	148,273	5	136,210	5	124,147	5	112,083		
1/4		1/4		1/4		1/4		1/4	172,058	1/4	160,085	1/4	148,022	1/4	135,959	1/4	123,895	1/4	111,832		
1/2		1/2		1/2		1/2		1/2	171,809	1/2	159,834	1/2	147,771	1/2	135,707	1/2	123,644	1/2	111,581		
3/4		3/4		3/4		3/4		3/4	171,560	3/4	159,583	3/4	147,519	3/4	135,456	3/4	123,393	3/4	111,329		
6		6		6		6		6	171,311	6	159,331	6	147,268	6	135,205	6	123,141	6	111,078		
1/4		1/4		1/4		1/4		1/4	171,062	1/4	159,080	1/4	147,017	1/4	134,953	1/4	122,890	1/4	110,827		
1/2		1/2		1/2		1/2		1/2	170,813	1/2	158,829	1/2	146,765	1/2	134,702	1/2	122,639	1/2	110,575		
3/4		3/4		3/4		3/4		3/4	170,564	3/4	158,577	3/4	146,514	3/4	134,451	3/4	122,387	3/4	110,324		
7		7		7		7		7	170,315	7	158,326	7	146,263	7	134,199	7	122,136	7	110,073		
1/4		1/4		1/4		1/4		1/4	170,066	1/4	158,075	1/4	146,011	1/4	133,948	1/4	121,885	1/4	109,822		
1/2		1/2		1/2		1/2		1/2	169,817	1/2	157,823	1/2	145,760	1/2	133,697	1/2	121,633	1/2	109,570		
3/4		3/4		3/4		3/4		3/4	169,568	3/4	157,572	3/4	145,509	3/4	133,445	3/4	121,382	3/4	109,319		
8		8		8		8		8	169,319	8	157,321	8	145,257	8	133,194	8	121,131	8	109,068		
1/4		1/4		1/4		1/4		1/4	169,070	1/4	157,069	1/4	145,006	1/4	132,943	1/4	120,880	1/4	108,816		
1/2		1/2		1/2		1/2		1/2	168,821	1/2	156,818	1/2	144,755	1/2	132,692	1/2	120,628	1/2	108,565		
3/4		3/4		3/4		3/4		3/4	168,572	3/4	156,567	3/4	144,503	3/4	132,440	3/4	120,377	3/4	108,314		
9		9		9		9		9	168,323	9	156,315	9	144,252	9	132,189	9	120,126	9	108,062		
1/4		1/4		1/4		1/4		1/4	168,074	1/4	156,064	1/4	144,001	1/4	131,938	1/4	119,874	1/4	107,811		
1/2		1/2		1/2		1/2		1/2	167,825	1/2	155,813	1/2	143,750	1/2	131,686	1/2	119,623	1/2	107,560		
3/4		3/4		3/4		3/4		3/4	167,576	3/4	155,561	3/4	143,498	3/4	131,435	3/4	119,372	3/4	107,308		
10		10		10		10		10	167,327	10	155,310	10	143,247	10	131,184	10	119,120	10	107,057		
1/4		1/4		1/4		1/4		1/4	167,078	1/4	155,059	1/4	142,996	1/4	130,932	1/4	118,869	1/4	106,806		
1/2		1/2		1/2		1/2		1/2	166,829	1/2	154,808	1/2	142,744	1/2	130,681	1/2	118,618	1/2	106,554		
3/4		3/4		3/4		3/4		3/4	166,580	3/4	154,556	3/4	142,493	3/4	130,430	3/4	118,366	3/4	106,303		
11		11		11		11		11	166,331	11	154,305	11	142,242	11	130,178	11	118,115	11	106,052		
1/4		1/4		1/4		1/4		1/4	166,082	1/4	154,054	1/4	141,990	1/4	129,927	1/4	117,864	1/4	105,800		
1/2		1/2		1/2		1/2		1/2	176,467	1/2	165,833	1/2	153,802	1/2	141,739	1/2	129,676	1/2	117,612	1/2	105,549
3/4		3/4		3/4		3/4		3/4	176,442	3/4	165,584	3/4	153,551	3/4	141,488	3/4	129,424	3/4	117,361	3/4	105,298

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 ON CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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 Pearland, Texas 77588
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BARGE "DBL 93"

2 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	105,046	0	92,983	0	80,914	0	68,845	0	56,776	0	44,707	0	32,638	0	20,601	0	8,826	0	
1/4	104,795	1/4	92,732	1/4	80,663	1/4	68,594	1/4	56,524	1/4	44,455	1/4	32,386	1/4	20,358	1/4	8,575	1/4	
1/2	104,544	1/2	92,480	1/2	80,411	1/2	68,342	1/2	56,273	1/2	44,204	1/2	32,135	1/2	20,115	1/2	8,323	1/2	
3/4	104,293	3/4	92,229	3/4	80,160	3/4	68,091	3/4	56,022	3/4	43,953	3/4	31,883	3/4	19,872	3/4	8,072	3/4	
1	104,041	1	91,977	1	79,908	1	67,839	1	55,770	1	43,701	1	31,632	1	19,629	1	7,821	1	
1/4	103,790	1/4	91,726	1/4	79,657	1/4	67,588	1/4	55,519	1/4	43,450	1/4	31,381	1/4	19,385	1/4	7,570	1/4	
1/2	103,539	1/2	91,475	1/2	79,405	1/2	67,336	1/2	55,267	1/2	43,198	1/2	31,129	1/2	19,142	1/2	7,318	1/2	
3/4	103,287	3/4	91,223	3/4	79,154	3/4	67,085	3/4	55,016	3/4	42,947	3/4	30,878	3/4	18,899	3/4	7,067	3/4	
2	103,036	2	90,972	2	78,903	2	66,833	2	54,764	2	42,695	2	30,626	2	18,656	2	6,816	2	
1/4	102,785	1/4	90,720	1/4	78,651	1/4	66,582	1/4	54,513	1/4	42,444	1/4	30,375	1/4	18,412	1/4	6,564	1/4	
1/2	102,533	1/2	90,469	1/2	78,400	1/2	66,331	1/2	54,262	1/2	42,192	1/2	30,123	1/2	18,169	1/2	6,313	1/2	
3/4	102,282	3/4	90,217	3/4	78,148	3/4	66,079	3/4	54,010	3/4	41,941	3/4	29,872	3/4	17,926	3/4	6,061	3/4	
3	102,031	3	89,966	3	77,897	3	65,828	3	53,759	3	41,690	3	29,620	3	17,683	3	5,810	3	
1/4	101,779	1/4	89,714	1/4	77,645	1/4	65,576	1/4	53,507	1/4	41,438	1/4	29,369	1/4	17,439	1/4	5,558	1/4	
1/2	101,528	1/2	89,463	1/2	77,394	1/2	65,325	1/2	53,256	1/2	41,187	1/2	29,118	1/2	17,196	1/2	5,307	1/2	
3/4	101,277	3/4	89,212	3/4	77,143	3/4	65,073	3/4	53,004	3/4	40,935	3/4	28,866	3/4	16,953	3/4	5,056	3/4	
4	101,025	4	88,960	4	76,891	4	64,822	4	52,753	4	40,684	4	28,615	4	16,710	4	4,804	4	
1/4	100,774	1/4	88,709	1/4	76,640	1/4	64,571	1/4	52,501	1/4	40,432	1/4	28,363	1/4	16,466	1/4	4,553	1/4	
1/2	100,523	1/2	88,457	1/2	76,388	1/2	64,319	1/2	52,250	1/2	40,181	1/2	28,112	1/2	16,223	1/2	4,301	1/2	
3/4	100,271	3/4	88,206	3/4	76,137	3/4	64,068	3/4	51,999	3/4	39,929	3/4	27,860	3/4	15,980	3/4	4,050	3/4	
5	100,020	5	87,954	5	75,885	5	63,816	5	51,747	5	39,678	5	27,609	5	15,737	5	3,798	5	
1/4	99,769	1/4	87,703	1/4	75,634	1/4	63,565	1/4	51,496	1/4	39,427	1/4	27,358	1/4	15,494	1/4	3,547	1/4	
1/2	99,517	1/2	87,452	1/2	75,382	1/2	63,313	1/2	51,244	1/2	39,175	1/2	27,106	1/2	15,250	1/2	3,296	1/2	
3/4	99,266	3/4	87,200	3/4	75,131	3/4	63,062	3/4	50,993	3/4	38,924	3/4	26,855	3/4	15,007	3/4	3,044	3/4	
6	99,015	6	86,949	6	74,880	6	62,810	6	50,741	6	38,672	6	26,603	6	14,764	6	2,793	6	
1/4	98,764	1/4	86,697	1/4	74,628	1/4	62,559	1/4	50,490	1/4	38,421	1/4	26,352	1/4	14,521	1/4	2,541	1/4	
1/2	98,512	1/2	86,446	1/2	74,377	1/2	62,308	1/2	50,239	1/2	38,169	1/2	26,100	1/2	14,278	1/2	2,290	1/2	
3/4	98,261	3/4	86,194	3/4	74,125	3/4	62,056	3/4	49,987	3/4	37,918	3/4	25,849	3/4	14,035	3/4	2,038	3/4	
7	98,010	7	85,943	7	73,874	7	61,805	7	49,736	7	37,667	7	25,597	7	13,791	7	1,787	7	
1/4	97,758	1/4	85,691	1/4	73,622	1/4	61,553	1/4	49,484	1/4	37,415	1/4	25,346	1/4	13,548	1/4	1,548	1/4	
1/2	97,507	1/2	85,440	1/2	73,371	1/2	61,302	1/2	49,233	1/2	37,164	1/2	25,095	1/2	13,304	1/2	1,309	1/2	
3/4	97,256	3/4	85,189	3/4	73,119	3/4	61,050	3/4	48,981	3/4	36,912	3/4	24,843	3/4	13,060	3/4	1,070	3/4	
8	97,004	8	84,937	8	72,868	8	60,799	8	48,730	8	36,661	8	24,592	8	12,816	8	832	8	
1/4	96,753	1/4	84,686	1/4	72,617	1/4	60,548	1/4	48,478	1/4	36,409	1/4	24,340	1/4	12,573	1/4	681	1/4	
1/2	96,502	1/2	84,434	1/2	72,365	1/2	60,296	1/2	48,227	1/2	36,158	1/2	24,089	1/2	12,329	1/2	530	1/2	
3/4	96,250	3/4	84,183	3/4	72,114	3/4	60,045	3/4	47,976	3/4	35,906	3/4	23,837	3/4	12,085	3/4	379	3/4	
9	95,999	9	83,931	9	71,862	9	59,793	9	47,724	9	35,655	9	23,586	9	11,841	9	228	9	
1/4	95,748	1/4	83,680	1/4	71,611	1/4	59,542	1/4	47,473	1/4	35,404	1/4	23,334	1/4	11,590	1/4	178	1/4	
1/2	95,496	1/2	83,428	1/2	71,359	1/2	59,290	1/2	47,221	1/2	35,152	1/2	23,083	1/2	11,339	1/2	128	1/2	
3/4	95,245	3/4	83,177	3/4	71,108	3/4	59,039	3/4	46,970	3/4	34,901	3/4	22,832	3/4	11,088	3/4	78	3/4	
10	94,994	10	82,926	10	70,857	10	58,787	10	46,718	10	34,649	10	22,580	10	10,836	10	27	10	
1/4	94,742	1/4	82,674	1/4	70,605	1/4	58,536	1/4	46,467	1/4	34,398	1/4	22,329	1/4	10,585	1/4		1/4	
1/2	94,491	1/2	82,423	1/2	70,354	1/2	58,285	1/2	46,215	1/2	34,146	1/2	22,077	1/2	10,334	1/2		1/2	
3/4	94,240	3/4	82,171	3/4	70,102	3/4	58,033	3/4	45,964	3/4	33,895	3/4	21,826	3/4	10,082	3/4		3/4	
11	93,988	11	81,920	11	69,851	11	57,782	11	45,713	11	33,644	11	21,574	11	9,831	11		11	
1/4	93,737	1/4	81,668	1/4	69,599	1/4	57,530	1/4	45,461	1/4	33,392	1/4	21,321	1/4	9,580	1/4		1/4	
1/2	93,486	1/2	81,417	1/2	69,348	1/2	57,279	1/2	45,210	1/2	33,141	1/2	21,068	1/2	9,329	1/2		1/2	
3/4	93,235	3/4	81,166	3/4	69,096	3/4	57,027	3/4	44,958	3/4	32,889	3/4	20,816	3/4	9,077	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/2012 CL - SW
CALCULATED: 06/18/2012 CL
PRINTED: 06/18/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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



BARGE "DBL 93"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 18'-09 3/4"

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	92,554	0	81,931	0	71,302	0	60,674	0	50,046	0	39,417	0	28,789	0	18,165	0	7,555	0	
1/4	92,333	1/4	81,709	1/4	71,081	1/4	60,453	1/4	49,824	1/4	39,196	1/4	28,568	1/4	17,944	1/4	7,334	1/4	
1/2	92,111	1/2	81,488	1/2	70,860	1/2	60,231	1/2	49,603	1/2	38,974	1/2	28,346	1/2	17,724	1/2	7,112	1/2	
3/4	91,890	3/4	81,266	3/4	70,638	3/4	60,010	3/4	49,381	3/4	38,753	3/4	28,125	3/4	17,503	3/4	6,891	3/4	
1	91,669	1	81,045	1	70,417	1	59,788	1	49,160	1	38,532	1	27,903	1	17,282	1	6,670	1	
1/4	91,447	1/4	80,824	1/4	70,195	1/4	59,567	1/4	48,939	1/4	38,310	1/4	27,682	1/4	17,061	1/4	6,448	1/4	
1/2	91,226	1/2	80,602	1/2	69,974	1/2	59,345	1/2	48,717	1/2	38,089	1/2	27,460	1/2	16,840	1/2	6,227	1/2	
3/4	91,005	3/4	80,381	3/4	69,752	3/4	59,124	3/4	48,496	3/4	37,867	3/4	27,239	3/4	16,620	3/4	6,005	3/4	
2	90,784	2	80,159	2	69,531	2	58,903	2	48,274	2	37,646	2	27,018	2	16,399	2	5,784	2	
1/4	90,562	1/4	79,938	1/4	69,310	1/4	58,681	1/4	48,053	1/4	37,424	1/4	26,796	1/4	16,178	1/4	5,562	1/4	
1/2	90,341	1/2	79,716	1/2	69,088	1/2	58,460	1/2	47,831	1/2	37,203	1/2	26,575	1/2	15,957	1/2	5,341	1/2	
3/4	90,120	3/4	79,495	3/4	68,867	3/4	58,238	3/4	47,610	3/4	36,982	3/4	26,353	3/4	15,736	3/4	5,120	3/4	
3	89,898	3	79,274	3	68,645	3	58,017	3	47,389	3	36,760	3	26,132	3	15,515	3	4,898	3	
1/4	89,677	1/4	79,052	1/4	68,424	1/4	57,795	1/4	47,167	1/4	36,539	1/4	25,910	1/4	15,295	1/4	4,677	1/4	
1/2	89,456	1/2	78,831	1/2	68,202	1/2	57,574	1/2	46,946	1/2	36,317	1/2	25,689	1/2	15,074	1/2	4,455	1/2	
3/4	89,234	3/4	78,609	3/4	67,981	3/4	57,353	3/4	46,724	3/4	36,096	3/4	25,468	3/4	14,853	3/4	4,234	3/4	
4	89,013	4	78,388	4	67,760	4	57,131	4	46,503	4	35,875	4	25,246	4	14,632	4	4,013	4	
1/4	88,792	1/4	78,167	1/4	67,538	1/4	56,910	1/4	46,281	1/4	35,653	1/4	25,025	1/4	14,411	1/4	3,791	1/4	
1/2	88,570	1/2	77,945	1/2	67,317	1/2	56,688	1/2	46,060	1/2	35,432	1/2	24,803	1/2	14,191	1/2	3,570	1/2	
3/4	88,349	3/4	77,724	3/4	67,095	3/4	56,467	3/4	45,839	3/4	35,210	3/4	24,582	3/4	13,970	3/4	3,348	3/4	
5	88,128	5	77,502	5	66,874	5	56,246	5	45,617	5	34,989	5	24,360	5	13,749	5	3,127	5	
1/4	87,906	1/4	77,281	1/4	66,652	1/4	56,024	1/4	45,396	1/4	34,767	1/4	24,139	1/4	13,528	1/4	2,905	1/4	
1/2	87,685	1/2	77,059	1/2	66,431	1/2	55,803	1/2	45,174	1/2	34,546	1/2	23,918	1/2	13,307	1/2	2,684	1/2	
3/4	87,464	3/4	76,838	3/4	66,210	3/4	55,581	3/4	44,953	3/4	34,325	3/4	23,696	3/4	13,087	3/4	2,463	3/4	
6	87,242	6	76,617	6	65,988	6	55,360	6	44,731	6	34,103	6	23,475	6	12,866	6	2,241	6	
1/4	87,021	1/4	76,395	1/4	65,767	1/4	55,138	1/4	44,510	1/4	33,882	1/4	23,253	1/4	12,645	1/4	2,020	1/4	
1/2	86,800	1/2	76,174	1/2	65,545	1/2	54,917	1/2	44,289	1/2	33,660	1/2	23,032	1/2	12,424	1/2	1,798	1/2	
3/4	86,578	3/4	75,952	3/4	65,324	3/4	54,696	3/4	44,067	3/4	33,439	3/4	22,811	3/4	12,203	3/4	1,577	3/4	
7	86,357	7	75,731	7	65,102	7	54,474	7	43,846	7	33,217	7	22,589	7	11,982	7	1,367	7	
1/4	86,136	1/4	75,509	1/4	64,881	1/4	54,253	1/4	43,624	1/4	32,996	1/4	22,368	1/4	11,761	1/4	1,156	1/4	
1/2	85,915	1/2	75,288	1/2	64,660	1/2	54,031	1/2	43,403	1/2	32,775	1/2	22,146	1/2	11,540	1/2	946	1/2	
3/4	85,693	3/4	75,067	3/4	64,438	3/4	53,810	3/4	43,182	3/4	32,553	3/4	21,925	3/4	11,319	3/4	736	3/4	
8	85,472	8	74,845	8	64,217	8	53,588	8	42,960	8	32,332	8	21,703	8	11,098	8	603	8	
1/4	85,251	1/4	74,624	1/4	63,995	1/4	53,367	1/4	42,739	1/4	32,110	1/4	21,482	1/4	10,876	1/4	470	1/4	
1/2	85,029	1/2	74,402	1/2	63,774	1/2	53,146	1/2	42,517	1/2	31,889	1/2	21,261	1/2	10,655	1/2	337	1/2	
3/4	84,808	3/4	74,181	3/4	63,553	3/4	52,924	3/4	42,296	3/4	31,667	3/4	21,039	3/4	10,434	3/4	204	3/4	
9	84,587	9	73,959	9	63,331	9	52,703	9	42,074	9	31,446	9	20,818	9	10,212	9	160	9	
1/4	84,365	1/4	73,738	1/4	63,110	1/4	52,481	1/4	41,853	1/4	31,225	1/4	20,596	1/4	9,991	1/4	116	1/4	
1/2	84,144	1/2	73,517	1/2	62,888	1/2	52,260	1/2	41,632	1/2	31,003	1/2	20,375	1/2	9,769	1/2	72	1/2	
3/4	83,923	3/4	73,295	3/4	62,667	3/4	52,038	3/4	41,410	3/4	30,782	3/4	20,153	3/4	9,548	3/4	27	3/4	
10	83,701	10	73,074	10	62,445	10	51,817	10	41,189	10	30,560	10	19,932	10	9,326	10		10	
1/4	83,480	1/4	72,852	1/4	62,224	1/4	51,596	1/4	40,967	1/4	30,339	1/4	19,711	1/4	9,105	1/4		1/4	
1/2	83,259	1/2	72,631	1/2	62,003	1/2	51,374	1/2	40,746	1/2	30,117	1/2	19,490	1/2	8,884	1/2		1/2	
3/4	83,037	3/4	72,409	3/4	61,781	3/4	51,153	3/4	40,524	3/4	29,896	3/4	19,269	3/4	8,662	3/4		3/4	
11	82,816	11	72,188	11	61,560	11	50,931	11	40,303	11	29,675	11	19,048	11	8,441	11		11	
1/4	82,595	1/4	71,967	1/4	61,338	1/4	50,710	1/4	40,082	1/4	29,453	1/4	18,828	1/4	8,219	1/4		1/4	
1/2	82,373	1/2	71,745	1/2	61,117	1/2	50,489	1/2	39,860	1/2	29,232	1/2	18,607	1/2	7,998	1/2		1/2	
3/4	82,152	3/4	71,524	3/4	60,895	3/4	50,267	3/4	39,639	3/4	29,010	3/4	18,386	3/4	7,777	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/18/2012 CL - SW
CALCULATED: 06/18/2012 CL
PRINTED: 06/18/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2012

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