

BARGE "DBL 99"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
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	- 00-1/8	00-1/8	- 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 INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 7/8'

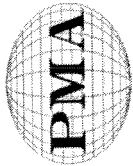
LENGTH BETWEEN DRAFT MARKS: 160'-06"

January 24, 2014

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

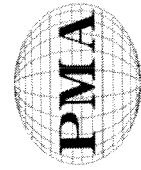
<http://www.pmacorp.net>



BARGE "DBL 99"

1 CENTER
INNAGE TABLE

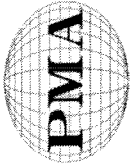
CAPACITIES GIVEN IN WHOLE U.S. GALLONS												GAUGE HEIGHT 19'-01 1/4"																	
0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.		
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
0	27	0	9,670	0	20,184	0	30,935	0	41,687	0	52,332	0	63,088	0	73,844	0	84,600	0	95,351	0	106,107	0	116,863	0	127,619	0	138,375	0	149,131
1/4	72	1/4	9,894	1/4	20,408	1/4	31,159	1/4	41,908	1/4	52,556	1/4	63,312	1/4	74,068	1/4	84,824	1/4	95,575	1/4	106,331	1/4	117,087	1/4	127,843	1/4	138,599	1/4	149,355
1/2	117	1/2	10,119	1/2	20,632	1/2	31,383	1/2	42,129	1/2	52,780	1/2	63,536	1/2	74,292	1/2	85,048	1/2	95,799	1/2	106,555	1/2	117,311	1/2	128,067	1/2	138,823	1/2	149,579
3/4	162	3/4	10,343	3/4	20,856	3/4	31,607	3/4	42,350	3/4	53,004	3/4	63,760	3/4	74,517	3/4	85,272	3/4	96,023	3/4	106,779	3/4	117,535	3/4	128,291	3/4	139,047	3/4	149,803
1	207	1	10,567	1	21,080	1	31,831	1	42,571	1	53,228	1	63,984	1	74,741	1	85,496	1	96,247	1	107,003	1	117,759	1	128,515	1	139,271	1	149,927
1/4	342	1/4	10,785	1/4	21,304	1/4	32,055	1/4	42,792	1/4	53,452	1/4	64,209	1/4	74,965	1/4	85,720	1/4	96,471	1/4	107,227	1/4	117,983	1/4	128,739	1/4	139,495	1/4	150,251
1/2	476	1/2	11,003	1/2	21,528	1/2	32,279	1/2	43,013	1/2	53,677	1/2	64,433	1/2	75,189	1/2	85,944	1/2	96,695	1/2	107,451	1/2	118,207	1/2	128,963	1/2	139,719	1/2	150,475
3/4	611	3/4	11,221	3/4	21,752	3/4	32,503	3/4	43,234	3/4	53,901	3/4	64,657	3/4	75,413	3/4	86,168	3/4	96,919	3/4	107,675	3/4	118,431	3/4	129,187	3/4	139,943	3/4	150,699
2	746	2	11,439	2	21,976	2	32,727	2	43,455	2	54,125	2	64,881	2	75,637	2	86,392	2	97,143	2	107,899	2	118,655	2	129,411	2	140,167	2	150,923
1/4	959	1/4	11,657	1/4	22,200	1/4	32,951	1/4	43,676	1/4	54,349	1/4	65,105	1/4	75,861	1/4	86,616	1/4	97,367	1/4	108,123	1/4	118,879	1/4	129,635	1/4	140,391	1/4	151,147
1/2	1,173	1/2	11,875	1/2	22,424	1/2	33,175	1/2	43,897	1/2	54,573	1/2	65,329	1/2	76,085	1/2	86,840	1/2	97,591	1/2	108,347	1/2	119,103	1/2	129,859	1/2	140,615	1/2	151,369
3/4	1,386	3/4	12,093	3/4	22,648	3/4	33,399	3/4	44,118	3/4	54,797	3/4	65,553	3/4	76,309	3/4	87,064	3/4	97,815	3/4	108,571	3/4	119,327	3/4	130,083	3/4	140,839	3/4	151,595
3	1,600	3	12,311	3	22,872	3	33,623	3	44,339	3	55,021	3	65,777	3	76,533	3	87,288	3	98,039	3	108,795	3	119,551	3	130,307	3	141,063	3	151,819
1/4	1,824	1/4	12,529	1/4	23,096	1/4	33,847	1/4	44,560	1/4	55,245	1/4	66,001	1/4	76,757	1/4	87,512	1/4	98,263	1/4	109,019	1/4	119,775	1/4	130,531	1/4	141,283	1/4	152,039
1/2	2,049	1/2	12,747	1/2	23,320	1/2	34,071	1/2	44,781	1/2	55,469	1/2	66,225	1/2	76,981	1/2	87,736	1/2	98,487	1/2	109,243	1/2	119,999	1/2	130,755	1/2	141,507	1/2	152,263
3/4	2,274	3/4	12,965	3/4	23,544	3/4	34,295	3/4	45,002	3/4	55,693	3/4	66,449	3/4	77,206	3/4	87,960	3/4	98,711	3/4	109,467	3/4	120,223	3/4	131,019	3/4	141,763	3/4	152,519
4	2,498	4	13,183	4	23,768	4	34,519	4	45,223	4	55,917	4	66,674	4	77,430	4	88,184	4	98,935	4	109,686	4	120,432	4	131,188	4	141,944	4	152,700
1/4	2,723	1/4	13,401	1/4	23,992	1/4	34,743	1/4	45,444	1/4	56,141	1/4	66,898	1/4	77,654	1/4	88,408	1/4	99,159	1/4	109,910	1/4	120,667	1/4	131,423	1/4	142,179	1/4	152,935
1/2	2,947	1/2	13,619	1/2	24,216	1/2	34,967	1/2	45,665	1/2	56,366	1/2	67,122	1/2	77,878	1/2	88,632	1/2	99,383	1/2	110,134	1/2	120,890	1/2	131,646	1/2	142,402	1/2	153,158
3/4	3,172	3/4	13,837	3/4	24,440	3/4	35,191	3/4	45,886	3/4	56,590	3/4	67,346	3/4	78,102	3/4	88,855	3/4	99,607	3/4	110,360	3/4	121,116	3/4	131,872	3/4	142,628	3/4	153,380
5	3,397	5	14,055	5	24,664	5	35,415	5	46,107	5	56,814	5	67,570	5	78,326	5	89,079	5	99,831	5	110,582	5	121,338	5	132,094	5	142,850	5	153,606
1/4	3,621	1/4	14,273	1/4	24,888	1/4	35,639	1/4	46,328	1/4	57,038	1/4	67,794	1/4	78,550	1/4	89,303	1/4	100,055	1/4	110,806	1/4	121,562	1/4	132,318	1/4	143,074	1/4	153,830
1/2	3,845	1/2	14,491	1/2	25,112	1/2	35,863	1/2	46,549	1/2	57,262	1/2	68,018	1/2	78,774	1/2	89,527	1/2	100,279	1/2	111,030	1/2	121,786	1/2	132,542	1/2	143,298	1/2	154,054
3/4	4,069	3/4	14,709	3/4	25,336	3/4	36,087	3/4	46,770	3/4	57,486	3/4	68,242	3/4	79,000	3/4	89,751	3/4	100,503	3/4	111,254	3/4	122,010	3/4	132,766	3/4	143,522	3/4	154,278
6	4,293	6	14,927	6	25,560	6	36,311	6	46,991	6	57,710	6	68,466	6	79,222	6	89,975	6	100,727	6	111,478	6	122,234	6	133,000	6	143,756	6	154,502
1/4	4,517	1/4	15,145	1/4	25,784	1/4	36,535	1/4	47,212	1/4	57,934	1/4	68,690	1/4	79,446	1/4	90,199	1/4	100,951	1/4	111,702	1/4	122,458	1/4	133,214	1/4	143,970	1/4	154,726
1/2	4,742	1/2	15,363	1/2	26,008	1/2	36,759	1/2	47,433	1/2	58,158	1/2	68,914	1/2	79,670	1/2	90,423	1/2	101,175	1/2	111,926	1/2	122,682	1/2	133,438	1/2	144,194	1/2	154,949
3/4	4,966	3/4	15,581	3/4	26,231	3/4	36,983	3/4	47,654	3/4	58,382	3/4	69,138	3/4	79,895	3/4	90,647	3/4	101,399	3/4	112,150	3/4	122,906	3/4	133,662	3/4	144,410	3/4	155,166
7	5,190	7	15,799	7	26,455	7	37,207	7	47,875	7	58,606	7	69,363	7	80,119	7	90,871	7	101,623	7	112,374	7	123,130	7	133,886	7	144,642	7	155,398
1/4	5,414	1/4	16,017	1/4	26,679	1/4	37,431	1/4	48,096	1/4	58,831	1/4	69,587	1/4	80,343	1/4	91,095	1/4	101,847	1/4	112,598	1/4	123,354	1/4	134,110	1/4	144,866	1/4	155,622
1/2	5,638	1/2	16,235	1/2	26,903	1/2	37,655	1/2	48,317	1/2	59,055	1/2	69,811	1/2	80,567	1/2	91,319	1/2	102,071	1/2	112,822	1/2	123,578	1/2	134,334	1/2	145,090	1/2	155,838
3/4	5,862	3/4	16,453	3/4	27,127	3/4	37,879	3/4	48,538	3/4	59,279	3/4	70,035	3/4	80,791	3/4	91,543	3/4	102,295	3/4	113,046	3/4	123,802	3/4	134,560	3/4	145,316	3/4	156,072
8	6,086	8	16,671	8	27,351	8	38,103	8	48,759	8	59,503	8	70,259	8	81,015	8	91,767	8	102,519	8	113,270	8	124,026	8	134,782	8	145,538	8	156,294
1/4	6,310	1/4	16,890	1/4	27,575	1/4	38,327	1/4	48,982	1/4	59,727	1/4	70,483	1/4	81,239	1/4	91,991	1/4	102,743	1/4	113,494	1/4	124,250	1/4	135,006	1/4	145,762	1/4	156,518
1/2	6,534	1/2	17,108	1/2	27,799	1/2	38,551	1/2	49,204	1/2	59,951	1/2	70,707	1/2	81,463	1/2	92,215	1/2	102,967	1/2	113,718	1/2	124,477	1/2	135,233	1/2	145,989	1/2	156,745
3/4	6,758	3/4	17,326	3/4	28,023	3/4	38,775	3/4	49,427	3/4	60,175	3/4	70,931	3/4	81,687	3/4	92,439	3/4	103,191	3/4	113,942	3/4	124,698	3/4	135,455	3/4	146,211	<	



BARGE "DBL 99"

1 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS												GAUGE HEIGHT 19'-01 1/4"																	
10 FT.			11 FT.			12 FT.			13 FT.			14 FT.			15 FT.			16 FT.			17 FT.			18 FT.			19 FT.		
IN	0	1/4	IN	0	1/4	IN	0	1/4	IN	0	1/4	IN	0	1/4	IN	0	1/4	IN	0	1/4	IN	0	1/4	IN	0	1/4	IN	0	1/4
0	106,103	0	115,885	0	125,338	0	134,791	0	144,209	0	153,688	0	163,126	0	172,523	0	181,879	0	191,194	0	200,468	0	209,700	0	218,890	0	228,038	0	237,145
1/4	106,327	1/4	116,082	1/4	125,535	1/4	134,988	1/4	144,404	1/4	153,883	1/4	163,321	1/4	172,718	1/4	182,074	1/4	191,389	1/4	200,663	1/4	209,895	1/4	219,085	1/4	228,233	1/4	237,340
1/2	106,551	1/2	116,279	1/2	125,732	1/2	135,185	1/2	144,599	1/2	154,078	1/2	163,516	1/2	172,913	1/2	182,269	1/2	191,584	1/2	200,858	1/2	210,090	1/2	219,280	1/2	228,428	1/2	237,535
3/4	106,775	3/4	116,476	3/4	125,929	3/4	135,382	3/4	144,795	3/4	154,274	3/4	163,712	3/4	173,109	3/4	182,465	3/4	191,780	3/4	201,054	3/4	210,286	3/4	219,476	3/4	228,624	3/4	237,731
1	106,999	1	116,673	1	126,126	1	135,579	1	144,990	1	154,469	1	163,907	1	173,304	1	182,660	1	191,975	1	201,249	1	210,481	1	219,671	1	228,819	1	237,926
1/4	107,224	1/4	116,870	1/4	126,323	1/4	135,776	1/4	145,185	1/4	154,664	1/4	164,102	1/4	173,499	1/4	182,855	1/4	192,170	1/4	201,444	1/4	210,676	1/4	219,866	1/4	229,014	1/4	238,121
1/2	107,448	1/2	117,067	1/2	126,520	1/2	135,973	1/2	145,380	1/2	154,859	1/2	164,297	1/2	173,694	1/2	183,050	1/2	192,365	1/2	201,639	1/2	210,871	1/2	219,961	1/2	229,109	1/2	238,216
3/4	107,673	3/4	117,264	3/4	126,717	3/4	136,170	3/4	145,575	3/4	155,054	3/4	164,492	3/4	173,889	3/4	183,245	3/4	192,560	3/4	201,834	3/4	211,066	3/4	220,256	3/4	229,404	3/4	238,511
2	107,897	2	117,461	2	126,914	2	136,367	2	145,771	2	155,250	2	164,688	2	174,085	2	183,441	2	192,756	2	202,030	2	211,262	2	220,452	2	229,600	2	238,707
1/4	108,122	1/4	117,658	1/4	127,111	1/4	136,563	1/4	145,966	1/4	155,445	1/4	164,883	1/4	174,280	1/4	183,636	1/4	192,951	1/4	202,225	1/4	211,457	1/4	220,647	1/4	229,795	1/4	238,902
1/2	108,346	1/2	117,855	1/2	127,307	1/2	136,760	1/2	146,161	1/2	155,640	1/2	165,078	1/2	174,475	1/2	183,831	1/2	193,146	1/2	202,420	1/2	211,652	1/2	220,842	1/2	229,990	1/2	239,097
3/4	108,571	3/4	118,051	3/4	127,504	3/4	136,957	3/4	146,356	3/4	155,835	3/4	165,273	3/4	174,670	3/4	184,026	3/4	193,341	3/4	202,615	3/4	211,847	3/4	221,037	3/4	230,185	3/4	239,292
3	108,795	3	118,248	3	127,701	3	137,154	3	146,551	3	155,950	3	165,388	3	174,785	3	184,141	3	193,456	3	202,730	3	211,962	3	221,152	3	230,300	3	239,407
1/4	108,992	1/4	118,445	1/4	127,898	1/4	137,351	1/4	146,747	1/4	156,144	1/4	165,582	1/4	174,979	1/4	184,335	1/4	193,650	1/4	202,924	1/4	212,156	1/4	221,346	1/4	230,536	1/4	239,643
1/2	109,189	1/2	118,642	1/2	128,095	1/2	137,548	1/2	146,942	1/2	156,339	1/2	165,777	1/2	175,174	1/2	184,530	1/2	193,845	1/2	203,119	1/2	212,351	1/2	221,541	1/2	230,731	1/2	239,838
3/4	109,386	3/4	118,839	3/4	128,292	3/4	137,745	3/4	147,137	3/4	156,533	3/4	165,971	3/4	175,368	3/4	184,724	3/4	194,039	3/4	203,313	3/4	212,545	3/4	221,735	3/4	230,925	3/4	239,990
4	109,583	4	119,036	4	128,489	4	137,942	4	147,332	4	156,729	4	166,167	4	175,604	4	185,042	4	194,479	4	203,916	4	213,354	4	222,791	4	232,229	4	241,666
1/4	109,780	1/4	119,233	1/4	128,686	1/4	138,139	1/4	147,527	1/4	156,924	1/4	166,362	1/4	175,800	1/4	185,237	1/4	194,674	1/4	204,111	1/4	213,549	1/4	222,986	1/4	232,424	1/4	241,861
1/2	109,977	1/2	119,430	1/2	128,883	1/2	138,336	1/2	147,723	1/2	157,110	1/2	166,548	1/2	175,985	1/2	185,422	1/2	194,859	1/2	204,296	1/2	213,734	1/2	223,171	1/2	232,609	1/2	242,046
3/4	110,174	3/4	119,627	3/4	129,080	3/4	138,533	3/4	147,918	3/4	157,305	3/4	166,743	3/4	176,180	3/4	185,617	3/4	195,054	3/4	204,491	3/4	213,929	3/4	223,366	3/4	232,803	3/4	242,240
5	110,371	5	119,824	5	129,277	5	138,730	5	148,113	5	157,500	5	166,887	5	176,274	5	185,661	5	195,048	5	204,435	5	213,822	5	223,209	5	232,596	5	241,983
1/4	110,568	1/4	120,021	1/4	129,474	1/4	138,927	1/4	148,305	1/4	157,692	1/4	167,079	1/4	176,466	1/4	185,853	1/4	195,240	1/4	204,627	1/4	214,014	1/4	223,401	1/4	232,788	1/4	242,175
1/2	110,765	1/2	120,218	1/2	129,671	1/2	139,124	1/2	148,498	1/2	157,872	1/2	167,246	1/2	176,620	1/2	186,007	1/2	195,384	1/2	204,761	1/2	214,138	1/2	223,515	1/2	232,892	1/2	242,269
3/4	110,962	3/4	120,415	3/4	129,868	3/4	139,321	3/4	148,690	3/4	158,064	3/4	167,438	3/4	176,812	3/4	186,186	3/4	195,560	3/4	204,937	3/4	214,314	3/4	223,691	3/4	233,068	3/4	242,445
6	111,159	6	120,612	6	130,065	6	139,518	6	148,882	6	158,246	6	167,610	6	176,974	6	186,338	6	195,702	6	205,066	6	214,430	6	223,794	6	233,158	6	242,522
1/4	111,356	1/4	120,809	1/4	130,262	1/4	139,714	1/4	149,074	1/4	158,438	1/4	167,798	1/4	177,158	1/4	186,518	1/4	195,878	1/4	205,238	1/4	214,598	1/4	223,958	1/4	233,318	1/4	242,678
1/2	111,553	1/2	121,005	1/2	130,458	1/2	139,911	1/2	149,267	1/2	158,627	1/2	167,987	1/2	177,347	1/2	186,707	1/2	196,067	1/2	205,427	1/2	214,787	1/2	224,147	1/2	233,507	1/2	242,867
3/4	111,749	3/4	121,202	3/4	130,655	3/4	140,108	3/4	149,459	3/4	158,810	3/4	168,161	3/4	177,512	3/4	186,863	3/4	196,214	3/4	205,565	3/4	214,916	3/4	224,267	3/4	233,618	3/4	242,970
7	111,946	7	121,399	7	130,852	7	140,305	7	149,651	7	159,002	7	168,353	7	177,704	7	187,055	7	196,406	7	205,757	7	215,108	7	224,459	7	233,810	7	243,161
1/4	112,143	1/4	121,596	1/4	131,049	1/4	140,500	1/4	149,844	1/4	159,195	1/4	168,546	1/4	177,897	1/4	187,248	1/4	196,599	1/4	205,950	1/4	215,301	1/4	224,652	1/4	234,003	1/4	243,354
1/2	112,340	1/2	121,793	1/2	131,246	1/2	140,696	1/2	150,036	1/2	159,387	1/2	168,738	1/2	178,089	1/2	187,440	1/2	196,791	1/2	206,142	1/2	215,493	1/2	224,844	1/2	234,195	1/2	243,546
3/4	112,537	3/4	121,990	3/4	131,443	3/4	140,891	3/4	150,228	3/4	159,579	3/4	168,930	3/4	178,281	3/4	187,632	3/4	196,983	3/4	206,334	3/4	215,685	3/4	225,036	3/4	234,387	3/4	243,737
8	112,734	8	122,187	8	131,640	8	141,086	8	150,421	8	159,766	8	169,111	8	178,456	8	187,801	8	197,146	8	206,491	8	215,836	8	225,181	8	234,526	8	243,871
1/4	112,931	1/4	122,384	1/4	131,837	1/4	141,281	1/4	150,613	1/4	159,958	1/4	169,303	1/4	178,648	1/4	187,993	1/4	197,338	1/4	206,683	1/4	216,028	1/4	225,373	1/4	234,718	1/4	244,063
1/2	113,128	1/2	122,581	1/2	132,034	1/2	141,476	1/2	150,805	1/2	160,140	1/2	169,479	1/2	178,818	1/2	188,157	1/2	197,4966</										



BARGE "DBL 99"

2 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	27	0	10,796	0	22,496	0	34,520	0	46,545	0	58,569	0	70,594	0	82,619	0	94,642	0	106,661
1/4	77	1/4	11,047	1/4	22,746	1/4	34,771	1/4	46,795	1/4	58,820	1/4	70,844	1/4	82,869	1/4	94,892	1/4	106,911
1/2	127	1/2	11,297	1/2	22,997	1/2	35,021	1/2	47,046	1/2	59,070	1/2	71,095	1/2	83,120	1/2	95,143	1/2	107,162
3/4	177	3/4	11,548	3/4	23,247	3/4	35,272	3/4	47,296	3/4	59,321	3/4	71,346	3/4	83,370	3/4	95,393	3/4	107,412
1	228	1	11,798	1	23,498	1	35,522	1	47,547	1	59,571	1	71,596	1	83,621	1	95,644	1	107,662
1/4	378	1/4	12,041	1/4	23,748	1/4	35,773	1/4	47,797	1/4	59,822	1/4	71,847	1/4	83,871	1/4	95,894	1/4	107,913
1/2	528	1/2	12,284	1/2	23,999	1/2	36,023	1/2	48,048	1/2	60,073	1/2	72,097	1/2	84,122	1/2	96,144	1/2	108,163
3/4	678	3/4	12,526	3/4	24,249	3/4	36,274	3/4	48,298	3/4	60,323	3/4	72,348	3/4	84,372	3/4	96,395	3/4	108,414
2	829	2	12,769	2	24,500	2	36,524	2	48,549	2	60,574	2	72,598	2	84,623	2	96,645	2	108,664
1/4	1,067	1/4	13,012	1/4	24,750	1/4	36,775	1/4	48,800	1/4	60,824	1/4	72,849	1/4	84,873	1/4	96,896	1/4	108,914
1/2	1,305	1/2	13,255	1/2	25,001	1/2	37,025	1/2	49,050	1/2	61,075	1/2	73,099	1/2	85,124	1/2	97,146	1/2	109,165
3/4	1,543	3/4	13,498	3/4	25,251	3/4	37,276	3/4	49,301	3/4	61,325	3/4	73,350	3/4	85,374	3/4	97,396	3/4	109,415
3	1,781	3	13,740	3	25,502	3	37,527	3	49,551	3	61,576	3	73,600	3	85,625	3	97,647	3	109,666
1/4	2,031	1/4	13,983	1/4	25,752	1/4	37,777	1/4	49,802	1/4	61,826	1/4	73,851	1/4	85,875	1/4	97,897	1/4	109,916
1/2	2,282	1/2	14,225	1/2	26,003	1/2	38,028	1/2	50,052	1/2	62,077	1/2	74,101	1/2	86,126	1/2	98,148	1/2	110,166
3/4	2,532	3/4	14,467	3/4	26,254	3/4	38,278	3/4	50,303	3/4	62,327	3/4	74,352	3/4	86,376	3/4	98,398	3/4	110,417
4	2,783	4	14,709	4	26,504	4	38,529	4	50,553	4	62,578	4	74,602	4	86,627	4	98,648	4	110,667
1/4	3,033	1/4	14,951	1/4	26,755	1/4	38,779	1/4	50,804	1/4	62,828	1/4	74,853	1/4	86,877	1/4	98,899	1/4	110,917
1/2	3,284	1/2	15,194	1/2	27,005	1/2	39,030	1/2	51,054	1/2	63,079	1/2	75,103	1/2	87,128	1/2	99,149	1/2	111,168
3/4	3,534	3/4	15,436	3/4	27,256	3/4	39,280	3/4	51,305	3/4	63,329	3/4	75,354	3/4	87,378	3/4	99,399	3/4	111,418
5	3,785	5	15,678	5	27,506	5	39,531	5	51,555	5	63,580	5	75,604	5	87,629	5	99,650	5	111,669
1/4	4,035	1/4	15,921	1/4	27,757	1/4	39,781	1/4	51,806	1/4	63,830	1/4	75,855	1/4	87,879	1/4	99,900	1/4	111,919
1/2	4,286	1/2	16,163	1/2	28,007	1/2	40,032	1/2	52,056	1/2	64,081	1/2	76,105	1/2	88,130	1/2	100,151	1/2	112,169
3/4	4,536	3/4	16,405	3/4	28,258	3/4	40,282	3/4	52,307	3/4	64,331	3/4	76,356	3/4	88,380	3/4	100,401	3/4	112,420
6	4,787	6	16,648	6	28,508	6	40,533	6	52,557	6	64,582	6	76,606	6	88,631	6	100,651	6	112,670
1/4	5,037	1/4	16,890	1/4	28,759	1/4	40,783	1/4	52,808	1/4	64,832	1/4	76,857	1/4	88,881	1/4	100,902	1/4	112,921
1/2	5,288	1/2	17,132	1/2	29,009	1/2	41,034	1/2	53,058	1/2	65,083	1/2	77,107	1/2	89,132	1/2	101,152	1/2	113,171
3/4	5,538	3/4	17,375	3/4	29,260	3/4	41,284	3/4	53,309	3/4	65,333	3/4	77,358	3/4	89,382	3/4	101,403	3/4	113,421
7	5,789	7	17,617	7	29,510	7	41,535	7	53,559	7	65,584	7	77,608	7	89,633	7	101,653	7	113,672
1/4	6,039	1/4	17,859	1/4	29,761	1/4	41,785	1/4	53,810	1/4	65,834	1/4	77,859	1/4	89,883	1/4	101,903	1/4	113,922
1/2	6,290	1/2	18,101	1/2	30,011	1/2	42,036	1/2	54,060	1/2	66,085	1/2	78,109	1/2	90,134	1/2	102,154	1/2	114,173
3/4	6,540	3/4	18,344	3/4	30,262	3/4	42,286	3/4	54,311	3/4	66,335	3/4	78,360	3/4	90,384	3/4	102,404	3/4	114,423
8	6,791	8	18,586	8	30,512	8	42,537	8	54,561	8	66,586	8	78,610	8	90,635	8	102,655	8	114,673
1/4	7,041	1/4	18,828	1/4	30,763	1/4	42,787	1/4	54,812	1/4	66,836	1/4	78,861	1/4	90,885	1/4	102,905	1/4	114,924
1/2	7,291	1/2	19,071	1/2	31,013	1/2	43,038	1/2	55,062	1/2	67,087	1/2	79,111	1/2	91,136	1/2	103,155	1/2	115,174
3/4	7,542	3/4	19,313	3/4	31,264	3/4	43,288	3/4	55,313	3/4	67,337	3/4	79,362	3/4	91,386	3/4	103,406	3/4	115,424
9	7,792	9	19,555	9	31,514	9	43,539	9	55,563	9	67,588	9	79,612	9	91,637	9	103,656	9	115,675
1/4	8,043	1/4	19,798	1/4	31,765	1/4	43,789	1/4	55,814	1/4	67,838	1/4	79,863	1/4	91,887	1/4	103,907	1/4	115,925
1/2	8,293	1/2	20,040	1/2	32,015	1/2	44,040	1/2	56,064	1/2	68,089	1/2	80,113	1/2	92,138	1/2	104,157	1/2	116,176
3/4	8,543	3/4	20,282	3/4	32,266	3/4	44,290	3/4	56,315	3/4	68,339	3/4	80,364	3/4	92,388	3/4	104,407	3/4	116,426
10	8,794	10	20,525	10	32,516	10	44,541	10	56,565	10	68,590	10	80,614	10	92,639	10	104,658	10	116,676
1/4	9,044	1/4	20,767	1/4	32,767	1/4	44,791	1/4	56,816	1/4	68,840	1/4	80,865	1/4	92,889	1/4	104,908	1/4	116,927
1/2	9,294	1/2	21,009	1/2	33,017	1/2	45,042	1/2	57,066	1/2	69,091	1/2	81,115	1/2	93,140	1/2	105,158	1/2	117,177
3/4	9,545	3/4	21,251	3/4	33,268	3/4	45,292	3/4	57,317	3/4	69,341	3/4	81,366	3/4	93,390	3/4	105,409	3/4	117,428
11	9,795	11	21,494	11	33,518	11	45,543	11	57,567	11	69,592	11	81,616	11	93,641	11	105,659	11	117,678
1/4	10,045	1/4	21,744	1/4	33,769	1/4	45,793	1/4	57,818	1/4	69,842	1/4	81,867	1/4	93,891	1/4	105,910	1/4	117,928
1/2	10,296	1/2	21,995	1/2	34,019	1/2	46,044	1/2	58,068	1/2	70,093	1/2	82,117	1/2	94,141	1/2	106,160	1/2	118,179
3/4	10,546	3/4	22,245	3/4	34,270	3/4	46,294	3/4	58,319	3/4	70,343	3/4	82,368	3/4	94,392	3/4	106,410	3/4	118,429

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.

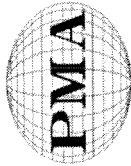
CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

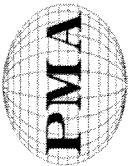
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmaacorp.net>



BARGE "DBL 99"

2 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS												GAUGE HEIGHT 19'-00 1/2"																	
10 FT.			11 FT.			12 FT.			13 FT.			14 FT.			15 FT.			16 FT.			17 FT.			18 FT.			19 FT.		
IN	IR		IN	IR		IN	IR		IN	IR		IN	IR		IN	IR		IN	IR		IN	IR		IN	IR		IN	IR	
0	118,680	0	130,698	0	142,717	0	154,736	0	166,708	0	178,630	0	190,502	0	202,314	0	214,066	0	225,758	0	237,390	0	248,962	0	260,474	0	271,926	0	283,318
1/4	118,930	1/4	130,949	1/4	142,967	1/4	154,986	1/4	166,956	1/4	178,880	1/4	190,752	1/4	202,564	1/4	214,316	1/4	226,068	1/4	237,820	1/4	249,572	1/4	261,324	1/4	273,076	1/4	284,828
1/2	119,180	1/2	131,199	1/2	143,218	1/2	155,237	1/2	167,204	1/2	179,126	1/2	191,048	1/2	202,970	1/2	214,892	1/2	226,814	1/2	238,736	1/2	250,658	1/2	262,580	1/2	274,502	1/2	286,424
3/4	119,431	3/4	131,449	3/4	143,468	3/4	155,487	3/4	167,452	3/4	179,374	3/4	191,296	3/4	203,218	3/4	215,140	3/4	227,062	3/4	238,984	3/4	250,906	3/4	262,828	3/4	274,750	3/4	286,672
1	119,681	1	131,700	1	143,719	1	155,737	1	167,700	1	179,622	1	191,544	1	203,466	1	215,388	1	227,310	1	239,232	1	251,154	1	263,076	1	274,998	1	286,920
1/4	119,932	1/4	131,950	1/4	143,969	1/4	155,988	1/4	167,948	1/4	179,870	1/4	191,792	1/4	203,714	1/4	215,636	1/4	227,558	1/4	239,480	1/4	251,402	1/4	263,324	1/4	275,246	1/4	287,168
1/2	120,182	1/2	132,201	1/2	144,219	1/2	156,238	1/2	168,196	1/2	180,118	1/2	192,040	1/2	203,962	1/2	215,884	1/2	227,806	1/2	239,728	1/2	251,650	1/2	263,572	1/2	275,494	1/2	287,416
3/4	120,432	3/4	132,451	3/4	144,470	3/4	156,489	3/4	168,444	3/4	180,409	3/4	192,374	3/4	204,339	3/4	216,304	3/4	228,269	3/4	240,234	3/4	252,199	3/4	264,164	3/4	276,129	3/4	288,094
2	120,683	2	132,701	2	144,720	2	156,739	2	168,692	2	180,655	2	192,618	2	204,581	2	216,544	2	228,507	2	240,470	2	252,433	2	264,396	2	276,359	2	288,322
1/4	120,933	1/4	132,952	1/4	144,971	1/4	156,989	1/4	168,940	1/4	180,893	1/4	192,846	1/4	204,799	1/4	216,752	1/4	228,705	1/4	240,658	1/4	252,611	1/4	264,564	1/4	276,517	1/4	288,470
1/2	121,183	1/2	133,202	1/2	145,221	1/2	157,240	1/2	169,189	1/2	181,138	1/2	193,087	1/2	205,036	1/2	216,985	1/2	228,934	1/2	240,883	1/2	252,832	1/2	264,781	1/2	276,730	1/2	288,679
3/4	121,434	3/4	133,453	3/4	145,471	3/4	157,490	3/4	169,437	3/4	181,386	3/4	193,335	3/4	205,284	3/4	217,233	3/4	229,182	3/4	241,131	3/4	253,080	3/4	265,029	3/4	276,978	3/4	288,927
3	121,684	3	133,703	3	145,722	3	157,740	3	169,685	3	181,630	3	193,575	3	205,520	3	217,465	3	229,410	3	241,355	3	253,300	3	265,245	3	277,190	3	289,135
1/4	121,935	1/4	133,953	1/4	145,972	1/4	157,991	1/4	169,933	1/4	181,876	1/4	193,819	1/4	205,762	1/4	217,705	1/4	229,648	1/4	241,591	1/4	253,534	1/4	265,477	1/4	277,420	1/4	289,363
1/2	122,185	1/2	134,204	1/2	146,223	1/2	158,241	1/2	170,181	1/2	182,124	1/2	194,067	1/2	206,010	1/2	217,953	1/2	229,896	1/2	241,839	1/2	253,782	1/2	265,725	1/2	277,668	1/2	289,611
3/4	122,435	3/4	134,454	3/4	146,473	3/4	158,492	3/4	170,429	3/4	182,372	3/4	194,315	3/4	206,258	3/4	218,201	3/4	230,144	3/4	242,087	3/4	254,030	3/4	265,973	3/4	277,916	3/4	289,859
4	122,686	4	134,705	4	146,723	4	158,742	4	170,677	4	182,620	4	194,563	4	206,506	4	218,449	4	230,392	4	242,335	4	254,278	4	266,221	4	278,164	4	290,107
1/4	122,936	1/4	134,955	1/4	146,974	1/4	158,992	1/4	170,925	1/4	182,868	1/4	194,811	1/4	206,754	1/4	218,697	1/4	230,640	1/4	242,583	1/4	254,526	1/4	266,469	1/4	278,412	1/4	290,355
1/2	123,187	1/2	135,205	1/2	147,224	1/2	159,243	1/2	171,173	1/2	183,116	1/2	195,059	1/2	206,992	1/2	218,935	1/2	230,878	1/2	242,821	1/2	254,764	1/2	266,707	1/2	278,650	1/2	290,597
3/4	123,437	3/4	135,456	3/4	147,474	3/4	159,493	3/4	171,421	3/4	183,364	3/4	195,307	3/4	207,250	3/4	219,193	3/4	231,136	3/4	243,079	3/4	255,022	3/4	266,965	3/4	278,908	3/4	290,849
5	123,687	5	135,706	5	147,725	5	159,744	5	171,669	5	183,594	5	195,519	5	207,444	5	219,369	5	231,294	5	243,219	5	255,144	5	267,069	5	278,994	5	290,919
1/4	123,938	1/4	135,956	1/4	147,975	1/4	159,994	1/4	171,914	1/4	183,839	1/4	195,764	1/4	207,689	1/4	219,614	1/4	231,539	1/4	243,464	1/4	255,389	1/4	267,314	1/4	279,239	1/4	291,164
1/2	124,188	1/2	136,207	1/2	148,226	1/2	160,244	1/2	172,159	1/2	184,074	1/2	195,993	1/2	207,912	1/2	219,831	1/2	231,750	1/2	243,669	1/2	255,588	1/2	267,507	1/2	279,426	1/2	291,343
3/4	124,439	3/4	136,457	3/4	148,476	3/4	160,495	3/4	172,404	3/4	184,323	3/4	196,242	3/4	208,161	3/4	220,080	3/4	231,999	3/4	243,918	3/4	255,837	3/4	267,756	3/4	279,675	3/4	291,595
6	124,689	6	136,708	6	148,726	6	160,745	6	172,649	6	184,553	6	196,457	6	208,361	6	220,265	6	232,169	6	244,073	6	255,977	6	267,881	6	279,785	6	291,689
1/4	124,939	1/4	136,958	1/4	148,977	1/4	160,996	1/4	172,893	1/4	184,797	1/4	196,694	1/4	208,591	1/4	220,488	1/4	232,385	1/4	244,282	1/4	256,179	1/4	268,076	1/4	279,973	1/4	291,876
1/2	125,190	1/2	137,208	1/2	149,227	1/2	161,246	1/2	173,138	1/2	185,030	1/2	196,927	1/2	208,824	1/2	220,721	1/2	232,618	1/2	244,515	1/2	256,412	1/2	268,309	1/2	280,206	1/2	292,103
3/4	125,440	3/4	137,459	3/4	149,478	3/4	161,496	3/4	173,383	3/4	185,275	3/4	197,172	3/4	209,069	3/4	220,966	3/4	232,863	3/4	244,760	3/4	256,657	3/4	268,554	3/4	280,451	3/4	292,350
7	125,690	7	137,709	7	149,728	7	161,747	7	173,628	7	185,509	7	197,390	7	209,271	7	221,152	7	233,033	7	244,914	7	256,795	7	268,676	7	280,557	7	292,438
1/4	125,941	1/4	137,960	1/4	149,978	1/4	161,995	1/4	173,873	1/4	185,754	1/4	197,635	1/4	209,516	1/4	221,397	1/4	233,278	1/4	245,159	1/4	257,040	1/4	268,921	1/4	280,802	1/4	292,689
1/2	126,191	1/2	138,210	1/2	150,229	1/2	162,243	1/2	174,118	1/2	186,032	1/2	197,953	1/2	209,874	1/2	221,795	1/2	233,716	1/2	245,637	1/2	257,558	1/2	269,479	1/2	281,400	1/2	293,321
3/4	126,442	3/4	138,460	3/4	150,479	3/4	162,491	3/4	174,363	3/4	186,275	3/4	198,196	3/4	210,117	3/4	222,038	3/4	233,959	3/4	245,880	3/4	257,801	3/4	269,722	3/4	281,641	3/4	293,562
8	126,692	8	138,711	8	150,730	8	162,739	8	174,607	8	186,479	8	198,351	8	210,223	8	222,095	8	233,967	8	245,839	8	257,711	8	269,583	8	281,455	8	293,327
1/4	126,942	1/4	138,961	1/4	150,980	1/4	162,987	1/4	174,852	1/4	186,724	1/4	198,596	1/4	210,468	1/4	222,340	1/4	234,212	1/4	246,084	1/4	257,956	1/4	269,828	1/4	281,700	1/4	293,578
1/2	127,193	1/2	139,212	1/2	151,230	1/2	163,235	1/2	175,097	1/2	186,969	1/2	198,841	1/2	210,713	1/2	222,585	1/2	234,457	1/2	246,329	1/2	258,201						

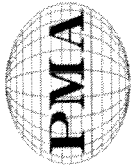


BARGE "DBL 99"

3 CENTER
INNAGE TABLE

CAPACITIES IN WHOLE U.S. GALLONS

0 FT.			1 FT.			2 FT.			3 FT.			4 FT.			5 FT.			6 FT.			7 FT.			8 FT.			9 FT.		
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.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	
0	27	0	9,547	0	20,152	0	30,780	0	41,408	0	52,035	0	62,663	0	73,291	0	83,918	0	94,540	0	105,162	0	115,784	0	126,406	0	137,028	0	147,650
1/4	72	1/4	9,769	1/4	20,374	1/4	31,001	1/4	41,629	1/4	52,257	1/4	62,885	1/4	73,512	1/4	84,139	1/4	94,762	1/4	105,384	1/4	116,006	1/4	126,628	1/4	137,250	1/4	147,872
1/2	116	1/2	9,990	1/2	20,595	1/2	31,223	1/2	41,851	1/2	52,478	1/2	63,106	1/2	73,734	1/2	84,360	1/2	94,983	1/2	105,605	1/2	116,227	1/2	126,849	1/2	137,471	1/2	148,093
3/4	160	3/4	10,212	3/4	20,817	3/4	31,444	3/4	42,072	3/4	52,700	3/4	63,327	3/4	73,955	3/4	84,582	3/4	95,204	3/4	105,826	3/4	116,448	3/4	127,070	3/4	137,692	3/4	148,314
1	204	1	10,433	1	21,038	1	31,666	1	42,293	1	52,921	1	63,549	1	74,177	1	84,803	1	95,426	1	106,048	1	116,670	1	127,292	1	137,914	1	148,536
1/4	337	1/4	10,654	1/4	21,259	1/4	31,887	1/4	42,515	1/4	53,143	1/4	63,770	1/4	74,398	1/4	85,024	1/4	95,647	1/4	106,269	1/4	116,891	1/4	127,513	1/4	138,135	1/4	148,757
1/2	470	1/2	10,876	1/2	21,481	1/2	32,109	1/2	42,736	1/2	53,364	1/2	63,992	1/2	74,619	1/2	85,246	1/2	95,868	1/2	106,490	1/2	117,112	1/2	127,734	1/2	138,356	1/2	148,978
3/4	603	3/4	11,097	3/4	21,702	3/4	32,330	3/4	42,958	3/4	53,585	3/4	64,213	3/4	74,841	3/4	85,467	3/4	96,090	3/4	106,711	3/4	117,333	3/4	127,955	3/4	138,577	3/4	149,199
2	736	2	11,319	2	21,924	2	32,551	2	43,179	2	53,807	2	64,434	2	75,062	2	85,688	2	96,311	2	106,933	2	117,555	2	128,177	2	138,799	2	149,421
1/4	946	1/4	11,540	1/4	22,145	1/4	32,773	1/4	43,400	1/4	54,028	1/4	64,656	1/4	75,284	1/4	85,910	1/4	96,532	1/4	107,154	1/4	117,776	1/4	128,398	1/4	139,020	1/4	149,642
1/2	1,156	1/2	11,761	1/2	22,366	1/2	32,994	1/2	43,622	1/2	54,250	1/2	64,877	1/2	75,505	1/2	86,131	1/2	96,753	1/2	107,375	1/2	117,997	1/2	128,619	1/2	139,241	1/2	149,863
3/4	1,367	3/4	11,982	3/4	22,588	3/4	33,216	3/4	43,843	3/4	54,471	3/4	65,099	3/4	75,726	3/4	86,352	3/4	96,975	3/4	107,597	3/4	118,219	3/4	128,841	3/4	139,463	3/4	150,085
3	1,577	3	12,203	3	22,809	3	33,437	3	44,065	3	54,692	3	65,320	3	75,948	3	86,573	3	97,196	3	107,818	3	118,440	3	129,062	3	139,684	3	150,306
1/4	1,798	1/4	12,424	1/4	23,031	1/4	33,658	1/4	44,286	1/4	54,914	1/4	65,542	1/4	76,169	1/4	86,795	1/4	97,417	1/4	108,039	1/4	118,661	1/4	129,283	1/4	139,905	1/4	150,527
1/2	2,020	1/2	12,644	1/2	23,252	1/2	33,880	1/2	44,508	1/2	55,135	1/2	65,763	1/2	76,391	1/2	87,016	1/2	97,639	1/2	108,260	1/2	118,882	1/2	129,504	1/2	139,905	1/2	150,527
3/4	2,241	3/4	12,865	3/4	23,473	3/4	34,101	3/4	44,729	3/4	55,357	3/4	65,984	3/4	76,612	3/4	87,237	3/4	97,860	3/4	108,482	3/4	119,104	3/4	129,726	3/4	139,905	3/4	150,527
4	2,463	4	13,086	4	23,695	4	34,323	4	44,950	4	55,578	4	66,206	4	76,833	4	87,459	4	98,081	4	108,703	4	119,325	4	129,947	4	139,905	4	150,527
1/4	2,684	1/4	13,307	1/4	23,916	1/4	34,544	1/4	45,172	1/4	55,799	1/4	66,427	1/4	77,055	1/4	87,680	1/4	98,303	1/4	108,924	1/4	119,546	1/4	129,947	1/4	139,905	1/4	150,527
1/2	2,905	1/2	13,528	1/2	24,138	1/2	34,765	1/2	45,393	1/2	56,021	1/2	66,649	1/2	77,276	1/2	87,901	1/2	98,524	1/2	109,145	1/2	119,767	1/2	129,947	1/2	139,905	1/2	150,527
3/4	3,127	3/4	13,748	3/4	24,359	3/4	34,987	3/4	45,615	3/4	56,242	3/4	66,870	3/4	77,498	3/4	88,123	3/4	98,745	3/4	109,367	3/4	119,989	3/4	129,947	3/4	139,905	3/4	150,527
5	3,348	5	13,969	5	24,581	5	35,208	5	45,836	5	56,464	5	67,091	5	77,719	5	88,344	5	98,967	5	109,589	5	120,211	5	130,833	5	141,455	5	152,077
1/4	3,570	1/4	14,190	1/4	24,802	1/4	35,430	1/4	46,057	1/4	56,685	1/4	67,313	1/4	77,941	1/4	88,565	1/4	99,188	1/4	109,810	1/4	120,432	1/4	131,054	1/4	141,676	1/4	152,299
1/2	3,791	1/2	14,411	1/2	25,023	1/2	35,651	1/2	46,279	1/2	56,907	1/2	67,534	1/2	78,162	1/2	88,786	1/2	99,409	1/2	110,031	1/2	120,653	1/2	131,275	1/2	141,897	1/2	152,521
3/4	4,012	3/4	14,632	3/4	25,245	3/4	35,873	3/4	46,500	3/4	57,128	3/4	67,756	3/4	78,383	3/4	89,008	3/4	99,630	3/4	110,253	3/4	120,875	3/4	131,497	3/4	142,121	3/4	152,743
6	4,234	6	14,852	6	25,466	6	36,094	6	46,722	6	57,349	6	67,977	6	78,605	6	89,229	6	99,852	6	110,475	6	121,097	6	131,719	6	142,341	6	152,963
1/4	4,455	1/4	15,073	1/4	25,688	1/4	36,315	1/4	46,943	1/4	57,571	1/4	68,198	1/4	78,826	1/4	89,450	1/4	100,073	1/4	110,695	1/4	121,317	1/4	131,939	1/4	142,561	1/4	153,183
1/2	4,677	1/2	15,294	1/2	25,909	1/2	36,537	1/2	47,164	1/2	57,792	1/2	68,420	1/2	79,048	1/2	89,672	1/2	100,294	1/2	110,916	1/2	121,539	1/2	132,161	1/2	142,783	1/2	153,405
3/4	4,898	3/4	15,515	3/4	26,130	3/4	36,758	3/4	47,386	3/4	58,014	3/4	68,641	3/4	79,269	3/4	89,893	3/4	100,516	3/4	111,138	3/4	121,760	3/4	132,382	3/4	142,995	3/4	153,627
7	5,119	7	15,735	7	26,352	7	36,980	7	47,607	7	58,235	7	68,863	7	79,490	7	90,114	7	100,737	7	111,359	7	121,981	7	132,603	7	143,225	7	153,847
1/4	5,341	1/4	15,956	1/4	26,573	1/4	37,201	1/4	47,829	1/4	58,456	1/4	69,084	1/4	79,712	1/4	90,336	1/4	100,958	1/4	111,580	1/4	122,202	1/4	132,824	1/4	143,446	1/4	154,068
1/2	5,562	1/2	16,177	1/2	26,795	1/2	37,422	1/2	48,050	1/2	58,678	1/2	69,306	1/2	79,933	1/2	90,557	1/2	101,180	1/2	111,802	1/2	122,424	1/2	133,046	1/2	143,668	1/2	154,290
3/4	5,784	3/4	16,398	3/4	27,016	3/4	37,644	3/4	48,272	3/4	58,899	3/4	69,527	3/4	80,155	3/4	90,778	3/4	101,401	3/4	112,023	3/4	122,645	3/4	133,267	3/4	143,890	3/4	154,512
8	6,005	8	16,619	8	27,237	8	37,865	8	48,493	8	59,121	8	69,748	8	80,376	8	91,000	8	101,622	8	112,244	8	122,866	8	133,488	8	144,110	8	154,732
1/4	6,226	1/4	16,839	1/4	27,459	1/4	38,087	1/4	48,714	1/4	59,342	1/4	69,970	1/4	80,597	1/4	91,221	1/4	101,843	1/4	112,465	1/4	123,087	1/4	133,709	1/4	144,331	1/4	154,953
1/2	6,448	1/2	17,060	1/2	27,680	1/2	38,308	1/2	48,936	1/2	59,563	1/2	70,191	1/2	80,819	1/2	91,442	1/2	102,064	1/2	112,686	1/2	123,308	1/2	133,930	1/2	144,552	1/2	155,174
3/4	6,669	3/4	17,281	3/4	27,902	3/4	38,529	3/4	49,157	3/4	59,785	3/4	70,413	3/4	81,040	3/4	91,663	3/4	102,285	3/4	112,907	3/4	123,530	3/4	134,152	3/4	144,774	3	



BARGE "DBL 99"

3 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS										GAUGE HEIGHT 19'-00"									
10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	105,163	0	115,786	0	126,408	0	137,031	0	147,613	0									
1/4	105,384	1/4	116,007	1/4	126,630	1/4	137,252	1/4	147,832	1/4				1/4	1/4	1/4	1/4	1/4	1/4
1/2	105,606	1/2	116,228	1/2	126,851	1/2	137,474	1/2	148,051	1/2				1/2	1/2	1/2	1/2	1/2	1/2
3/4	105,827	3/4	116,450	3/4	127,072	3/4	137,695	3/4	148,271	3/4				3/4	3/4	3/4	3/4	3/4	3/4
1	106,048	1	116,671	1	127,294	1	137,916	1	148,490	1				1	1	1	1	1	1
1/4	106,270	1/4	116,892	1/4	127,515	1/4	138,137	1/4	148,709	1/4				1/4	1/4	1/4	1/4	1/4	1/4
1/2	106,491	1/2	117,114	1/2	127,736	1/2	138,359	1/2	148,928	1/2				1/2	1/2	1/2	1/2	1/2	1/2
3/4	106,712	3/4	117,335	3/4	127,957	3/4	138,580	3/4	149,148	3/4				3/4	3/4	3/4	3/4	3/4	3/4
2	106,933	2	117,556	2	128,179	2	138,801	2	149,367	2				2	2	2	2	2	2
1/4	107,155	1/4	117,777	1/4	128,400	1/4	139,023	1/4	149,586	1/4				1/4	1/4	1/4	1/4	1/4	1/4
1/2	107,376	1/2	117,999	1/2	128,621	1/2	139,244	1/2	149,805	1/2				1/2	1/2	1/2	1/2	1/2	1/2
3/4	107,597	3/4	118,220	3/4	128,843	3/4	139,465	3/4	150,025	3/4				3/4	3/4	3/4	3/4	3/4	3/4
3	107,819	3	118,441	3	129,064	3	139,687	3	150,244	3				3	3	3	3	3	3
1/4	108,040	1/4	118,663	1/4	129,285	1/4	139,908	1/4	150,463	1/4				1/4	1/4	1/4	1/4	1/4	1/4
1/2	108,261	1/2	118,884	1/2	129,507	1/2	140,129	1/2	150,683	1/2				1/2	1/2	1/2	1/2	1/2	1/2
3/4	108,483	3/4	119,105	3/4	129,728	3/4	140,350	3/4	150,902	3/4				3/4	3/4	3/4	3/4	3/4	3/4
4	108,704	4	119,327	4	129,949	4	140,572	4	151,121	4				4	4	4	4	4	4
1/4	108,925	1/4	119,548	1/4	130,170	1/4	140,793	1/4	151,340	1/4				1/4	1/4	1/4	1/4	1/4	1/4
1/2	109,147	1/2	119,769	1/2	130,392	1/2	141,014	1/2	151,560	1/2				1/2	1/2	1/2	1/2	1/2	1/2
3/4	109,368	3/4	119,990	3/4	130,613	3/4	141,236	3/4	151,779	3/4				3/4	3/4	3/4	3/4	3/4	3/4
5	109,589	5	120,212	5	130,834	5	141,457	5	151,998	5				5	5	5	5	5	5
1/4	109,810	1/4	120,433	1/4	131,056	1/4	141,678	1/4	152,215	1/4				1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,032	1/2	120,654	1/2	131,277	1/2	141,900	1/2	152,431	1/2				1/2	1/2	1/2	1/2	1/2	1/2
3/4	110,253	3/4	120,876	3/4	131,498	3/4	142,121	3/4	152,647	3/4				3/4	3/4	3/4	3/4	3/4	3/4
6	110,474	6	121,097	6	131,720	6	142,342	6	152,864	6				6	6	6	6	6	6
1/4	110,696	1/4	121,318	1/4	131,941	1/4	142,564	1/4	153,080	1/4				1/4	1/4	1/4	1/4	1/4	1/4
1/2	110,917	1/2	121,540	1/2	132,162	1/2	142,785	1/2	153,297	1/2				1/2	1/2	1/2	1/2	1/2	1/2
3/4	111,138	3/4	121,761	3/4	132,384	3/4	143,006	3/4	153,513	3/4				3/4	3/4	3/4	3/4	3/4	3/4
7	111,360	7	121,982	7	132,605	7	143,227	7	153,730	7				7	7	7	7	7	7
1/4	111,581	1/4	122,204	1/4	132,826	1/4	143,447	1/4	153,946	1/4				1/4	1/4	1/4	1/4	1/4	1/4
1/2	111,802	1/2	122,425	1/2	133,047	1/2	143,666	1/2	154,163	1/2				1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,023	3/4	122,646	3/4	133,269	3/4	143,885	3/4	154,379	3/4				3/4	3/4	3/4	3/4	3/4	3/4
8	112,245	8	122,867	8	133,490	8	144,105	8	154,596	8				8	8	8	8	8	8
1/4	112,466	1/4	123,089	1/4	133,711	1/4	144,324	1/4	154,812	1/4				1/4	1/4	1/4	1/4	1/4	1/4
1/2	112,687	1/2	123,310	1/2	133,933	1/2	144,543	1/2	155,028	1/2				1/2	1/2	1/2	1/2	1/2	1/2
3/4	112,909	3/4	123,531	3/4	134,154	3/4	144,762	3/4	155,245	3/4				3/4	3/4	3/4	3/4	3/4	3/4
9	113,130	9	123,753	9	134,375	9	144,982	9	155,461	9				9	9	9	9	9	9
1/4	113,351	1/4	123,974	1/4	134,597	1/4	145,201	1/4	155,611	1/4				1/4	1/4	1/4	1/4	1/4	1/4
1/2	113,573	1/2	124,195	1/2	134,818	1/2	145,420	1/2	155,761	1/2				1/2	1/2	1/2	1/2	1/2	1/2
3/4	113,794	3/4	124,417	3/4	135,039	3/4	145,639	3/4	155,911	3/4				3/4	3/4	3/4	3/4	3/4	3/4
10	114,015	10	124,638	10	135,260	10	145,859	10	156,061	10				10	10	10	10	10	10
1/4	114,237	1/4	124,859	1/4	135,482	1/4	146,078	1/4	156,128	1/4				1/4	1/4	1/4	1/4	1/4	1/4
1/2	114,458	1/2	125,080	1/2	135,703	1/2	146,297	1/2	156,194	1/2				1/2	1/2	1/2	1/2	1/2	1/2
3/4	114,679	3/4	125,302	3/4	135,924	3/4	146,516	3/4	156,261	3/4				3/4	3/4	3/4	3/4	3/4	3/4
11	114,900	11	125,523	11	136,146	11	146,736	11	156,327	11				11	11	11	11	11	11
1/4	115,122	1/4	125,744	1/4	136,367	1/4	146,955	1/4	156,338	1/4				1/4	1/4	1/4	1/4	1/4	1/4
1/2	115,343	1/2	125,966	1/2	136,588	1/2	147,174	1/2	156,338	1/2				1/2	1/2	1/2	1/2	1/2	1/2
3/4	115,564	3/4	126,187	3/4	136,810	3/4	147,394	3/4	156,338	3/4				3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/23/2014 SW
CALCULATED: 01/24/2014 CL
PRINTED: 01/24/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

PRECISION MEASUREMENT
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Pearland, Texas 77588
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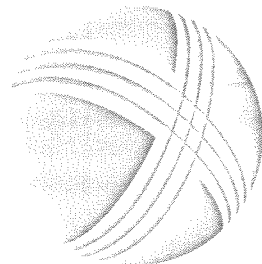
The Gleason

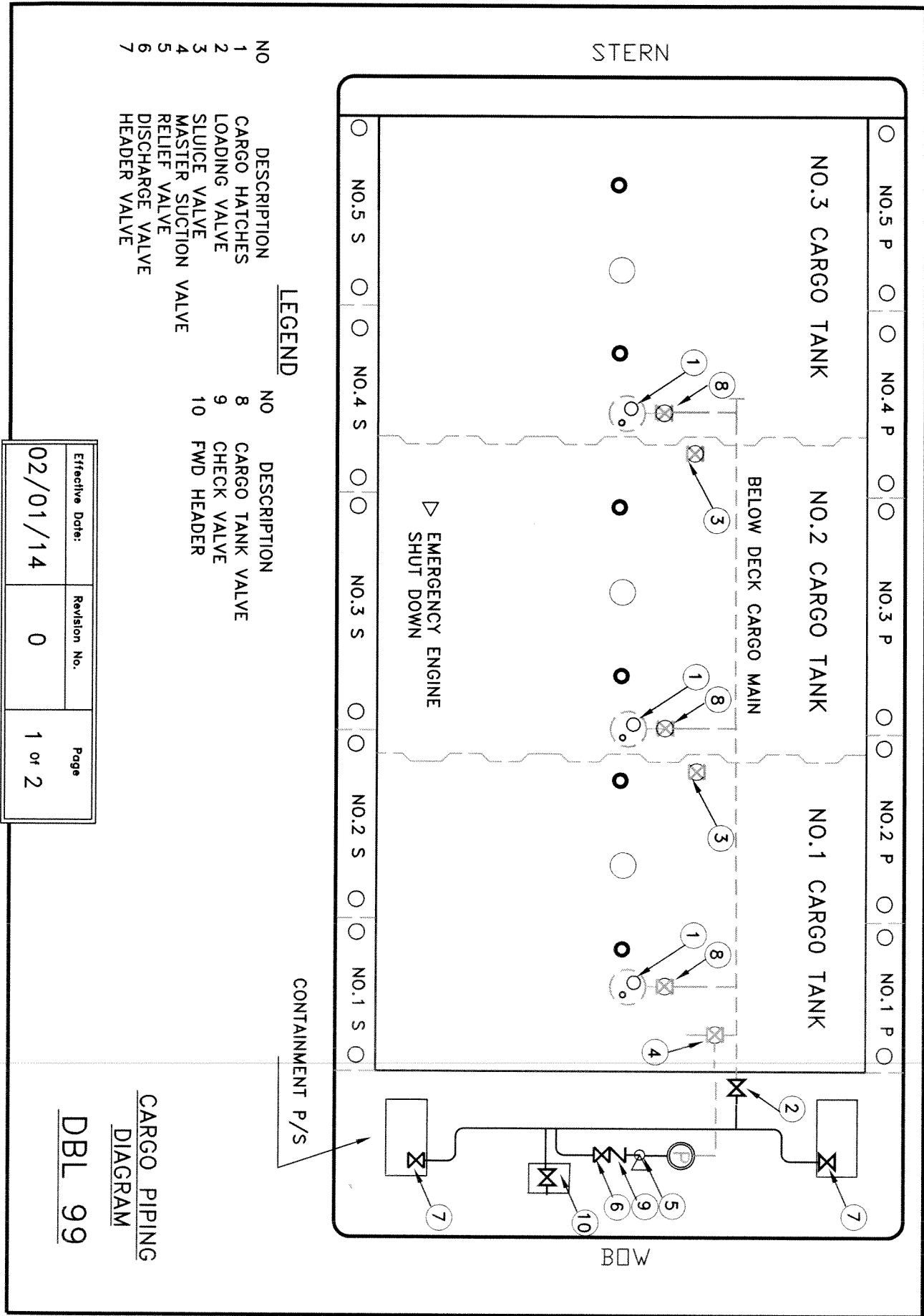
Remote User

 Job 2387

 09/29/14 03:59 PM

xerox





CARGO PIPING
DIAGRAM

DBL 99

- NO 1 CARGO HATCHES
 2 BERGAN DFG , MMC GAUGE, AND ALARM
 3 SLUICE VALVE
 4 BUTTERWORTH HATCHES
 5 BERGAN SITE GLASS
 6 ERL PV VALVE PRESS. 3 PSI VAC. .5 PSI
 7 VAPOR HEADER VALVE
 8 VENT STACK
 9 STRIP SUMP
 10 STRIPPING DEEP WELL

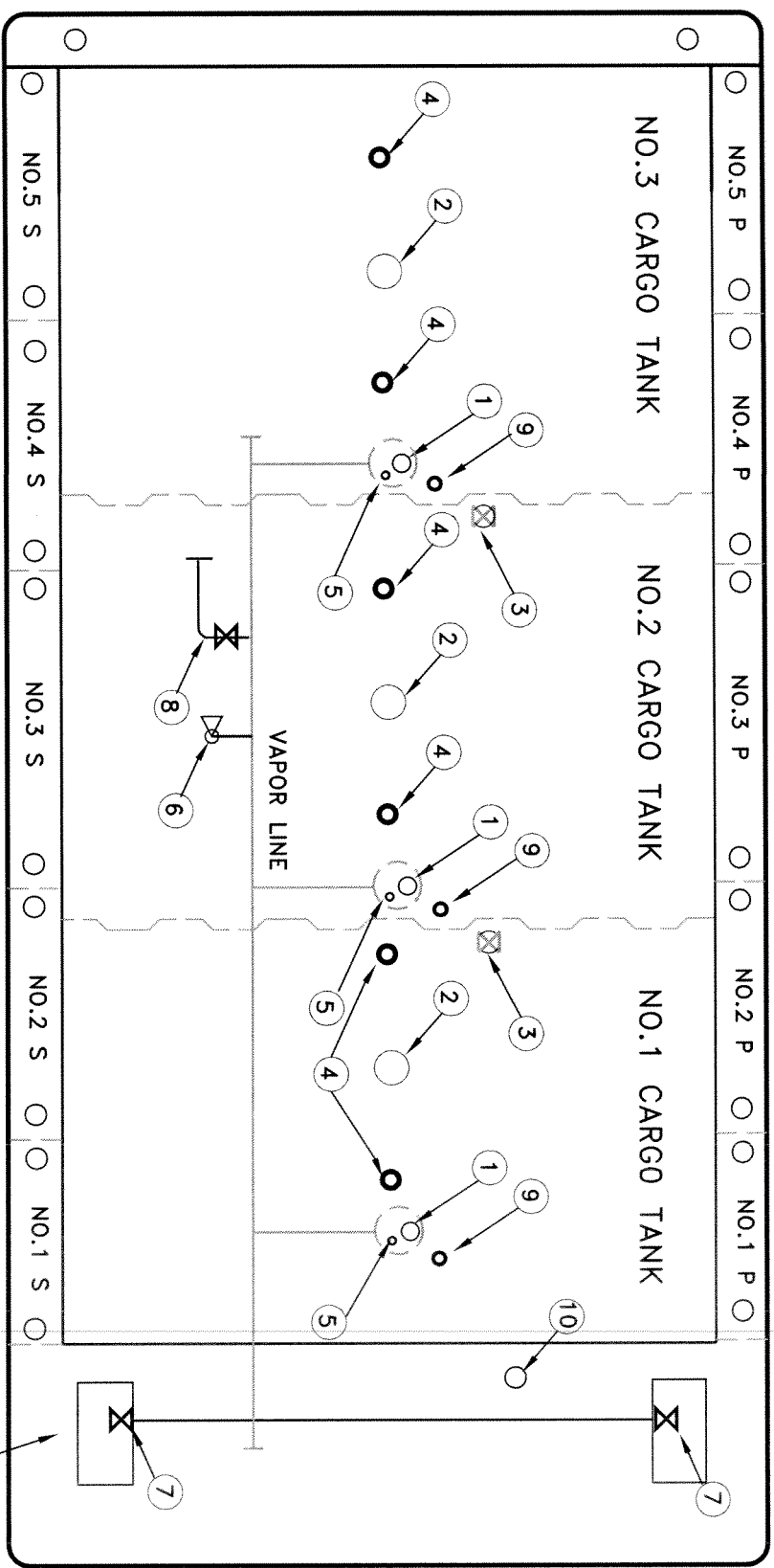
LEGEND

Effective Date:	Revision No.	Page
02/01/14	0	2 of 2

STRIPPING DROPS & VAPOR PIPING DIAGRAM

DBL 99

CONTAINMENT P/S



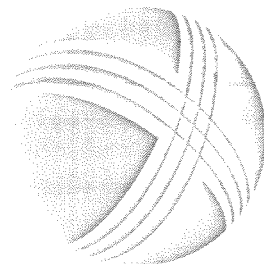
STERN

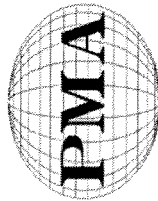
BOW

Remote User

 **Job 2388**
 **09/29/14 03:59 PM**

xerox





BARGE "DBL 99"

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	00-1/8	- 00-1/8	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)

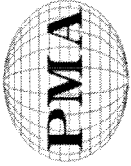
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 160'-06"

January 24, 2014

PRECISION MEASUREMENT
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BARGE "DBL 99"

1 CENTER
ULLAGE TABLE

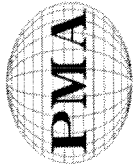
CAPACITIES GIVEN IN WHOLE U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	145,185	0	135,776	0	126,323	0	116,870	0	107,224	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	144,990	1/4	135,579	1/4	126,126	1/4	116,673	1/4	106,999	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	144,795	1/2	135,382	1/2	125,929	1/2	116,476	1/2	106,775	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	144,599	3/4	135,185	3/4	125,732	3/4	116,279	3/4	106,551	3/4
1	1	1	1	1	1	1	1	1	1	144,404	1	134,988	1	125,535	1	116,082	1	106,327	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	144,209	1/4	134,791	1/4	125,338	1/4	115,885	1/4	106,103	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	144,014	1/2	134,594	1/2	125,141	1/2	115,688	1/2	105,879	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	143,819	3/4	134,397	3/4	124,944	3/4	115,491	3/4	105,655	3/4
2	2	2	2	2	2	2	2	2	2	143,624	2	134,200	2	124,747	2	115,294	2	105,431	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	143,428	1/4	134,003	1/4	124,550	1/4	115,097	1/4	105,207	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	143,233	1/2	133,806	1/2	124,353	1/2	114,900	1/2	104,983	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	143,038	3/4	133,609	3/4	124,156	3/4	114,704	3/4	104,759	3/4
3	3	3	3	3	3	3	3	3	3	142,843	3	133,412	3	123,960	3	114,507	3	104,535	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	142,648	1/4	133,216	1/4	123,763	1/4	114,310	1/4	104,311	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	142,452	1/2	133,019	1/2	123,566	1/2	114,113	1/2	104,087	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	142,257	3/4	132,822	3/4	123,369	3/4	113,916	3/4	103,863	3/4
4	4	4	4	4	4	4	4	4	4	142,062	4	132,625	4	123,172	4	113,719	4	103,639	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	141,867	1/4	132,428	1/4	122,975	1/4	113,522	1/4	103,415	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	141,672	1/2	132,231	1/2	122,778	1/2	113,325	1/2	103,191	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	141,476	3/4	132,034	3/4	122,581	3/4	113,128	3/4	102,967	3/4
5	5	5	5	5	5	5	5	5	5	141,281	5	131,837	5	122,384	5	112,931	5	102,743	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	141,086	1/4	131,640	1/4	122,187	1/4	112,734	1/4	102,519	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	140,891	1/2	131,443	1/2	121,990	1/2	112,537	1/2	102,295	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	140,696	3/4	131,246	3/4	121,793	3/4	112,340	3/4	102,071	3/4
6	6	6	6	6	6	6	6	6	6	140,500	6	131,049	6	121,596	6	112,143	6	101,847	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	140,305	1/4	130,852	1/4	121,399	1/4	111,946	1/4	101,623	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	140,108	1/2	130,655	1/2	121,202	1/2	111,749	1/2	101,399	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	139,911	3/4	130,458	3/4	121,005	3/4	111,553	3/4	101,175	3/4
7	7	7	7	7	7	7	7	7	7	139,714	7	130,262	7	120,809	7	111,356	7	100,951	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	139,518	1/4	130,065	1/4	120,612	1/4	111,159	1/4	100,727	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	139,321	1/2	129,868	1/2	120,415	1/2	110,962	1/2	100,503	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	139,124	3/4	129,671	3/4	120,218	3/4	110,765	3/4	100,279	3/4
8	8	8	8	8	8	8	8	8	8	138,927	8	129,474	8	120,021	8	110,568	8	100,055	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	138,730	1/4	129,277	1/4	119,824	1/4	110,371	1/4	99,831	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	138,533	1/2	129,080	1/2	119,627	1/2	110,174	1/2	99,607	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	138,336	3/4	128,883	3/4	119,430	3/4	109,977	3/4	99,383	3/4
9	9	9	9	9	9	9	9	9	9	138,139	9	128,686	9	119,233	9	109,780	9	99,159	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	137,942	1/4	128,489	1/4	119,036	1/4	109,583	1/4	98,935	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	137,745	1/2	128,292	1/2	118,839	1/2	109,386	1/2	98,711	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	137,548	3/4	128,095	3/4	118,642	3/4	109,189	3/4	98,487	3/4
10	10	10	10	10	10	10	10	10	10	137,351	10	127,898	10	118,445	10	108,992	10	98,263	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	137,154	1/4	127,701	1/4	118,248	1/4	108,795	1/4	98,039	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	136,957	1/2	127,504	1/2	118,051	1/2	108,571	1/2	97,815	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	136,760	3/4	127,307	3/4	117,855	3/4	108,346	3/4	97,591	3/4
11	11	11	11	11	11	11	11	11	11	136,563	11	127,111	11	117,658	11	108,122	11	97,367	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	136,367	1/4	126,914	1/4	117,461	1/4	107,897	1/4	97,143	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	136,170	1/2	126,717	1/2	117,264	1/2	107,673	1/2	96,919	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	135,973	3/4	126,520	3/4	117,067	3/4	107,448	3/4	96,695	3/4

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 ONLY APPLIES 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 26'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "DBL 99"

1 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	96,471	0	85,720	0	74,965	0	64,209	0	53,452	0	42,792	0	32,055	0	21,304	0	10,785	0	342
1/4	96,247	1/4	85,496	1/4	74,741	1/4	63,984	1/4	53,228	1/4	42,571	1/4	31,831	1/4	21,080	1/4	10,567	1/4	207
1/2	96,023	1/2	85,272	1/2	74,517	1/2	63,760	1/2	53,004	1/2	42,350	1/2	31,607	1/2	20,856	1/2	10,343	1/2	162
3/4	95,799	3/4	85,048	3/4	74,292	3/4	63,536	3/4	52,780	3/4	42,129	3/4	31,383	3/4	20,632	3/4	10,119	3/4	117
1	95,575	1	84,824	1	74,068	1	63,312	1	52,556	1	41,908	1	31,159	1	20,408	1	9,894	1	72
1/4	95,351	1/4	84,600	1/4	73,844	1/4	63,088	1/4	52,332	1/4	41,687	1/4	30,935	1/4	20,184	1/4	9,670	1/4	342
1/2	95,127	1/2	84,376	1/2	73,620	1/2	62,864	1/2	52,108	1/2	41,463	1/2	30,711	1/2	19,960	1/2	9,446	1/2	207
3/4	94,903	3/4	84,152	3/4	73,396	3/4	62,640	3/4	51,884	3/4	41,239	3/4	30,487	3/4	19,736	3/4	9,222	3/4	162
2	94,679	2	83,928	2	73,172	2	62,416	2	51,660	2	41,015	2	30,263	2	19,512	2	8,998	2	117
1/4	94,455	1/4	83,704	1/4	72,948	1/4	62,192	1/4	51,436	1/4	40,791	1/4	30,039	1/4	19,288	1/4	8,774	1/4	72
1/2	94,231	1/2	83,480	1/2	72,724	1/2	61,968	1/2	51,212	1/2	40,567	1/2	29,815	1/2	19,070	1/2	8,550	1/2	342
3/4	94,007	3/4	83,256	3/4	72,500	3/4	61,744	3/4	50,988	3/4	40,343	3/4	29,591	3/4	18,852	3/4	8,326	3/4	207
3	93,783	3	83,032	3	72,276	3	61,520	3	50,763	3	40,119	3	29,367	3	18,634	3	8,102	3	162
1/4	93,559	1/4	82,808	1/4	72,052	1/4	61,295	1/4	50,539	1/4	39,895	1/4	29,143	1/4	18,416	1/4	7,878	1/4	72
1/2	93,335	1/2	82,584	1/2	71,827	1/2	61,071	1/2	50,317	1/2	39,671	1/2	28,919	1/2	18,198	1/2	7,654	1/2	342
3/4	93,111	3/4	82,359	3/4	71,603	3/4	60,847	3/4	50,094	3/4	39,447	3/4	28,695	3/4	17,980	3/4	7,430	3/4	207
4	92,887	4	82,135	4	71,379	4	60,623	4	49,872	4	39,223	4	28,471	4	17,762	4	7,206	4	162
1/4	92,663	1/4	81,911	1/4	71,155	1/4	60,399	1/4	49,649	1/4	38,999	1/4	28,247	1/4	17,544	1/4	6,982	1/4	72
1/2	92,439	1/2	81,687	1/2	70,931	1/2	60,175	1/2	49,427	1/2	38,775	1/2	28,023	1/2	17,326	1/2	6,758	1/2	342
3/4	92,215	3/4	81,463	3/4	70,707	3/4	59,951	3/4	49,204	3/4	38,551	3/4	27,799	3/4	17,108	3/4	6,534	3/4	207
5	91,991	5	81,239	5	70,483	5	59,727	5	48,982	5	38,327	5	27,575	5	16,890	5	6,310	5	162
1/4	91,767	1/4	81,015	1/4	70,259	1/4	59,503	1/4	48,759	1/4	38,103	1/4	27,351	1/4	16,671	1/4	6,086	1/4	72
1/2	91,543	1/2	80,791	1/2	70,035	1/2	59,279	1/2	48,538	1/2	37,879	1/2	27,127	1/2	16,453	1/2	5,862	1/2	342
3/4	91,319	3/4	80,567	3/4	69,811	3/4	59,055	3/4	48,317	3/4	37,655	3/4	26,903	3/4	16,235	3/4	5,638	3/4	207
6	91,095	6	80,343	6	69,587	6	58,831	6	48,096	6	37,431	6	26,679	6	16,017	6	5,414	6	162
1/4	90,871	1/4	80,119	1/4	69,363	1/4	58,606	1/4	47,875	1/4	37,207	1/4	26,455	1/4	15,799	1/4	5,190	1/4	72
1/2	90,647	1/2	79,895	1/2	69,138	1/2	58,382	1/2	47,654	1/2	36,983	1/2	26,231	1/2	15,581	1/2	4,966	1/2	342
3/4	90,423	3/4	79,670	3/4	68,914	3/4	58,158	3/4	47,433	3/4	36,759	3/4	26,008	3/4	15,363	3/4	4,742	3/4	207
7	90,199	7	79,446	7	68,690	7	57,934	7	47,212	7	36,535	7	25,784	7	15,145	7	4,517	7	162
1/4	89,975	1/4	79,222	1/4	68,466	1/4	57,710	1/4	46,991	1/4	36,311	1/4	25,560	1/4	14,927	1/4	4,293	1/4	72
1/2	89,751	1/2	78,998	1/2	68,242	1/2	57,486	1/2	46,770	1/2	36,087	1/2	25,336	1/2	14,709	1/2	4,069	1/2	342
3/4	89,527	3/4	78,774	3/4	68,018	3/4	57,262	3/4	46,549	3/4	35,863	3/4	25,112	3/4	14,491	3/4	3,845	3/4	207
8	89,303	8	78,550	8	67,794	8	57,038	8	46,328	8	35,639	8	24,888	8	14,273	8	3,621	8	162
1/4	89,079	1/4	78,326	1/4	67,570	1/4	56,814	1/4	46,107	1/4	35,415	1/4	24,664	1/4	14,055	1/4	3,397	1/4	72
1/2	88,855	1/2	78,102	1/2	67,346	1/2	56,590	1/2	45,886	1/2	35,191	1/2	24,440	1/2	13,837	1/2	3,172	1/2	342
3/4	88,632	3/4	77,878	3/4	67,122	3/4	56,366	3/4	45,665	3/4	34,967	3/4	24,216	3/4	13,619	3/4	2,947	3/4	207
9	88,408	9	77,654	9	66,898	9	56,141	9	45,444	9	34,743	9	23,992	9	13,401	9	2,723	9	162
1/4	88,184	1/4	77,430	1/4	66,674	1/4	55,917	1/4	45,223	1/4	34,519	1/4	23,768	1/4	13,183	1/4	2,498	1/4	72
1/2	87,960	1/2	77,206	1/2	66,449	1/2	55,693	1/2	45,002	1/2	34,295	1/2	23,544	1/2	12,965	1/2	2,274	1/2	342
3/4	87,736	3/4	76,981	3/4	66,225	3/4	55,469	3/4	44,781	3/4	34,071	3/4	23,320	3/4	12,747	3/4	2,049	3/4	207
10	87,512	10	76,757	10	66,001	10	55,245	10	44,560	10	33,847	10	23,096	10	12,529	10	1,824	10	162
1/4	87,288	1/4	76,533	1/4	65,777	1/4	55,021	1/4	44,339	1/4	33,623	1/4	22,872	1/4	12,311	1/4	1,600	1/4	72
1/2	87,064	1/2	76,309	1/2	65,553	1/2	54,797	1/2	44,118	1/2	33,399	1/2	22,648	1/2	12,093	1/2	1,386	1/2	342
3/4	86,840	3/4	76,085	3/4	65,329	3/4	54,573	3/4	43,897	3/4	33,175	3/4	22,424	3/4	11,875	3/4	1,173	3/4	207
11	86,616	11	75,861	11	65,105	11	54,349	11	43,676	11	32,951	11	22,200	11	11,657	11	959	11	162
1/4	86,392	1/4	75,637	1/4	64,881	1/4	54,125	1/4	43,455	1/4	32,727	1/4	21,976	1/4	11,439	1/4	746	1/4	72
1/2	86,168	1/2	75,413	1/2	64,657	1/2	53,901	1/2	43,234	1/2	32,503	1/2	21,752	1/2	11,221	1/2	611	1/2	342
3/4	85,944	3/4	75,189	3/4	64,433	3/4	53,677	3/4	43,013	3/4	32,279	3/4	21,528	3/4	11,003	3/4	476	3/4	207

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

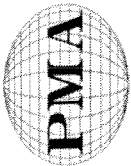
STRAPPED: 01/23/2014 SW
CALCULATED: 01/24/2014 CL
PRINTED: 01/24/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net

The Planner



BARGE "DBL 99"

2 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	0	0	0	0	0	167,204	0	155,237	0	143,218	0	131,199	0	119,180	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	166,956	1/4	154,986	1/4	142,967	1/4	130,949	1/4	118,930	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	166,708	1/2	154,736	1/2	142,717	1/2	130,698	1/2	118,680	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	166,460	3/4	154,485	3/4	142,467	3/4	130,448	3/4	118,429	3/4
1	1	1	1	1	1	1	1	1	1	166,212	1	154,235	1	142,216	1	130,198	1	118,179	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	165,964	1/4	153,985	1/4	141,966	1/4	129,947	1/4	117,928	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	165,716	1/2	153,734	1/2	141,715	1/2	129,697	1/2	117,678	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	165,468	3/4	153,484	3/4	141,465	3/4	129,446	3/4	117,428	3/4
2	2	2	2	2	2	2	2	2	2	165,220	2	153,233	2	141,215	2	129,196	2	117,177	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	164,971	1/4	152,983	1/4	140,964	1/4	128,946	1/4	116,927	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	164,723	1/2	152,733	1/2	140,714	1/2	128,695	1/2	116,676	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	164,475	3/4	152,482	3/4	140,464	3/4	128,445	3/4	116,426	3/4
3	3	3	3	3	3	3	3	3	3	164,227	3	152,232	3	140,213	3	128,194	3	116,176	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	163,979	1/4	151,981	1/4	139,963	1/4	127,944	1/4	115,925	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	163,731	1/2	151,731	1/2	139,712	1/2	127,694	1/2	115,675	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	163,483	3/4	151,481	3/4	139,462	3/4	127,443	3/4	115,424	3/4
4	4	4	4	4	4	4	4	4	4	163,235	4	151,230	4	139,212	4	127,193	4	115,174	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	162,987	1/4	150,980	1/4	138,961	1/4	126,942	1/4	114,924	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	162,739	1/2	150,730	1/2	138,711	1/2	126,692	1/2	114,673	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	162,491	3/4	150,479	3/4	138,460	3/4	126,442	3/4	114,423	3/4
5	5	5	5	5	5	5	5	5	5	162,243	5	150,229	5	138,210	5	126,191	5	114,173	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	161,995	1/4	149,978	1/4	137,960	1/4	125,941	1/4	113,922	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	161,747	1/2	149,728	1/2	137,709	1/2	125,690	1/2	113,672	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	161,496	3/4	149,478	3/4	137,459	3/4	125,440	3/4	113,421	3/4
6	6	6	6	6	6	6	6	6	6	161,246	6	149,227	6	137,208	6	125,190	6	113,171	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	160,996	1/4	148,977	1/4	136,958	1/4	124,939	1/4	112,921	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	160,745	1/2	148,726	1/2	136,708	1/2	124,689	1/2	112,670	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	160,495	3/4	148,476	3/4	136,457	3/4	124,439	3/4	112,420	3/4
7	7	7	7	7	7	7	7	7	7	160,244	7	148,226	7	136,207	7	124,188	7	112,169	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	159,994	1/4	147,975	1/4	135,956	1/4	123,938	1/4	111,919	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	159,744	1/2	147,725	1/2	135,706	1/2	123,687	1/2	111,669	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	159,493	3/4	147,474	3/4	135,456	3/4	123,437	3/4	111,418	3/4
8	8	8	8	8	8	8	8	8	8	159,243	8	147,224	8	135,205	8	123,187	8	111,168	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	158,992	1/4	146,974	1/4	134,955	1/4	122,936	1/4	110,917	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	158,742	1/2	146,723	1/2	134,705	1/2	122,686	1/2	110,667	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	158,492	3/4	146,473	3/4	134,454	3/4	122,435	3/4	110,417	3/4
9	9	9	9	9	9	9	9	9	9	158,241	9	146,223	9	134,204	9	122,185	9	110,166	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	157,991	1/4	145,972	1/4	133,953	1/4	121,935	1/4	109,916	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	157,740	1/2	145,722	1/2	133,703	1/2	121,684	1/2	109,666	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	157,490	3/4	145,471	3/4	133,453	3/4	121,434	3/4	109,415	3/4
10	10	10	10	10	10	10	10	10	10	157,240	10	145,221	10	133,202	10	121,183	10	109,165	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	156,989	1/4	144,971	1/4	132,952	1/4	120,933	1/4	108,914	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	156,739	1/2	144,720	1/2	132,701	1/2	120,683	1/2	108,664	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	156,489	3/4	144,470	3/4	132,451	3/4	120,432	3/4	108,414	3/4
11	11	11	11	11	11	11	11	11	11	156,238	11	144,219	11	132,201	11	120,182	11	108,163	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	155,988	1/4	143,969	1/4	131,950	1/4	119,932	1/4	107,913	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	155,737	1/2	143,719	1/2	131,700	1/2	119,681	1/2	107,662	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	155,487	3/4	143,468	3/4	131,449	3/4	119,431	3/4	107,412	3/4

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 ONLY APPLIES 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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2992

Pearland, Texas 77588

http://www.pmaacorp.net

[Signature]



BARGE "DBL 99"

2 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-00 1/2"

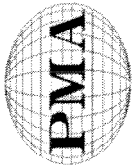
	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	107,162	0	83,120	0	59,070	0	35,021	0	22,997	0
1/4	106,911	1/4	82,869	1/4	58,820	1/4	34,771	1/4	22,746	1/4
1/2	106,661	1/2	82,619	1/2	58,569	1/2	34,520	1/2	22,496	1/2
3/4	106,410	3/4	82,368	3/4	58,319	3/4	34,270	3/4	22,245	3/4
1	106,160	1	82,117	1	58,068	1	34,019	1	21,995	1
1/4	105,910	1/4	81,867	1/4	57,818	1/4	33,769	1/4	21,744	1/4
1/2	105,659	1/2	81,616	1/2	57,567	1/2	33,518	1/2	21,494	1/2
3/4	105,409	3/4	81,366	3/4	57,317	3/4	33,268	3/4	21,251	3/4
2	105,158	2	81,115	2	57,066	2	33,017	2	21,009	2
1/4	104,908	1/4	80,865	1/4	56,816	1/4	32,767	1/4	20,767	1/4
1/2	104,658	1/2	80,614	1/2	56,565	1/2	32,516	1/2	20,525	1/2
3/4	104,407	3/4	80,364	3/4	56,315	3/4	32,266	3/4	20,282	3/4
3	104,157	3	80,113	3	56,064	3	32,015	3	20,040	3
1/4	103,907	1/4	79,863	1/4	55,814	1/4	31,765	1/4	19,798	1/4
1/2	103,656	1/2	79,612	1/2	55,563	1/2	31,514	1/2	19,555	1/2
3/4	103,406	3/4	79,362	3/4	55,313	3/4	31,264	3/4	19,313	3/4
4	103,155	4	79,111	4	55,062	4	31,013	4	19,071	4
1/4	102,905	1/4	78,861	1/4	54,812	1/4	30,763	1/4	18,828	1/4
1/2	102,655	1/2	78,610	1/2	54,561	1/2	30,512	1/2	18,586	1/2
3/4	102,404	3/4	78,360	3/4	54,311	3/4	30,262	3/4	18,344	3/4
5	102,154	5	78,109	5	54,060	5	30,011	5	18,101	5
1/4	101,903	1/4	77,859	1/4	53,810	1/4	29,761	1/4	17,859	1/4
1/2	101,653	1/2	77,608	1/2	53,559	1/2	29,510	1/2	17,617	1/2
3/4	101,403	3/4	77,358	3/4	53,309	3/4	29,260	3/4	17,375	3/4
6	101,152	6	77,107	6	53,058	6	29,009	6	17,132	6
1/4	100,902	1/4	76,857	1/4	52,808	1/4	28,759	1/4	16,890	1/4
1/2	100,651	1/2	76,606	1/2	52,557	1/2	28,508	1/2	16,648	1/2
3/4	100,401	3/4	76,356	3/4	52,307	3/4	28,258	3/4	16,406	3/4
7	100,151	7	76,105	7	52,056	7	28,007	7	16,163	7
1/4	99,900	1/4	75,855	1/4	51,806	1/4	27,757	1/4	15,921	1/4
1/2	99,650	1/2	75,604	1/2	51,555	1/2	27,506	1/2	15,678	1/2
3/4	99,399	3/4	75,354	3/4	51,305	3/4	27,256	3/4	15,436	3/4
8	99,149	8	75,103	8	51,054	8	27,005	8	15,194	8
1/4	98,899	1/4	74,853	1/4	50,804	1/4	26,755	1/4	14,951	1/4
1/2	98,648	1/2	74,602	1/2	50,553	1/2	26,504	1/2	14,709	1/2
3/4	98,398	3/4	74,352	3/4	50,303	3/4	26,254	3/4	14,467	3/4
9	98,148	9	74,101	9	50,052	9	26,003	9	14,225	9
1/4	97,897	1/4	73,851	1/4	49,802	1/4	25,752	1/4	13,983	1/4
1/2	97,647	1/2	73,600	1/2	49,551	1/2	25,502	1/2	13,740	1/2
3/4	97,396	3/4	73,350	3/4	49,301	3/4	25,251	3/4	13,498	3/4
10	97,146	10	73,099	10	49,050	10	25,001	10	13,255	10
1/4	96,896	1/4	72,849	1/4	48,800	1/4	24,750	1/4	13,012	1/4
1/2	96,645	1/2	72,598	1/2	48,549	1/2	24,500	1/2	12,769	1/2
3/4	96,395	3/4	72,348	3/4	48,298	3/4	24,249	3/4	12,526	3/4
11	96,144	11	72,097	11	48,048	11	23,999	11	12,284	11
1/4	95,894	1/4	71,847	1/4	47,797	1/4	23,748	1/4	12,041	1/4
1/2	95,644	1/2	71,596	1/2	47,547	1/2	23,498	1/2	11,798	1/2
3/4	95,393	3/4	71,346	3/4	47,296	3/4	23,247	3/4	11,548	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

Joe Johnson



BARGE "DBL 99"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	94,540	0	83,918	0	73,291	0	62,663	0	52,035	0	41,408	0	30,780	0	20,152	0	9,547	0	27
1/4	94,319	83,696	73,070	62,442	51,814	41,186	30,559	19,931	19,331	19,331	19,331	19,331	19,331	19,331	19,331	19,331	19,331	19,331	19,331
1/2	94,098	83,475	72,848	62,220	51,593	40,965	30,337	19,710	19,110	19,110	19,110	19,110	19,110	19,110	19,110	19,110	19,110	19,110	19,110
3/4	93,877	83,254	72,627	61,999	51,371	40,744	30,116	19,489	18,889	18,889	18,889	18,889	18,889	18,889	18,889	18,889	18,889	18,889	18,889
1	93,655	83,033	72,405	61,778	51,150	40,522	29,894	19,268	18,668	18,668	18,668	18,668	18,668	18,668	18,668	18,668	18,668	18,668	18,668
1/4	93,434	82,812	72,184	61,556	50,928	40,301	29,673	19,047	18,447	18,447	18,447	18,447	18,447	18,447	18,447	18,447	18,447	18,447	18,447
1/2	93,213	82,590	71,962	61,335	50,707	40,079	29,452	18,827	18,227	18,227	18,227	18,227	18,227	18,227	18,227	18,227	18,227	18,227	18,227
3/4	92,991	82,369	71,741	61,113	50,486	39,858	29,230	18,606	18,006	18,006	18,006	18,006	18,006	18,006	18,006	18,006	18,006	18,006	18,006
2	92,770	82,147	71,520	60,892	50,264	39,636	29,009	18,385	17,785	17,785	17,785	17,785	17,785	17,785	17,785	17,785	17,785	17,785	17,785
1/4	92,549	81,926	71,298	60,671	50,043	39,415	28,787	18,164	17,564	17,564	17,564	17,564	17,564	17,564	17,564	17,564	17,564	17,564	17,564
1/2	92,327	81,705	71,077	60,449	49,821	39,194	28,566	17,943	17,343	17,343	17,343	17,343	17,343	17,343	17,343	17,343	17,343	17,343	17,343
3/4	92,106	81,483	70,855	60,228	49,600	38,972	28,345	17,723	17,123	17,123	17,123	17,123	17,123	17,123	17,123	17,123	17,123	17,123	17,123
3	91,885	81,262	70,634	60,006	49,379	38,751	28,123	17,502	16,902	16,902	16,902	16,902	16,902	16,902	16,902	16,902	16,902	16,902	16,902
1/4	91,663	81,040	70,413	59,785	49,157	38,529	27,902	17,281	16,681	16,681	16,681	16,681	16,681	16,681	16,681	16,681	16,681	16,681	16,681
1/2	91,442	80,819	70,191	59,563	48,936	38,308	27,680	17,060	16,460	16,460	16,460	16,460	16,460	16,460	16,460	16,460	16,460	16,460	16,460
3/4	91,221	80,597	69,970	59,342	48,714	38,087	27,459	16,839	16,239	16,239	16,239	16,239	16,239	16,239	16,239	16,239	16,239	16,239	16,239
4	91,000	80,376	69,748	59,121	48,493	37,865	27,237	16,619	16,019	16,019	16,019	16,019	16,019	16,019	16,019	16,019	16,019	16,019	16,019
1/4	90,778	80,155	69,527	58,899	48,272	37,644	27,016	16,398	15,798	15,798	15,798	15,798	15,798	15,798	15,798	15,798	15,798	15,798	15,798
1/2	90,557	79,933	69,306	58,678	48,050	37,422	26,795	16,177	15,577	15,577	15,577	15,577	15,577	15,577	15,577	15,577	15,577	15,577	15,577
3/4	90,336	79,712	69,084	58,456	47,829	37,201	26,573	15,956	15,356	15,356	15,356	15,356	15,356	15,356	15,356	15,356	15,356	15,356	15,356
5	90,114	79,490	68,863	58,235	47,607	36,980	26,352	15,735	15,135	15,135	15,135	15,135	15,135	15,135	15,135	15,135	15,135	15,135	15,135
1/4	89,893	79,269	68,641	58,014	47,386	36,758	26,130	15,515	14,915	14,915	14,915	14,915	14,915	14,915	14,915	14,915	14,915	14,915	14,915
1/2	89,672	79,048	68,420	57,792	47,164	36,537	25,909	15,294	14,694	14,694	14,694	14,694	14,694	14,694	14,694	14,694	14,694	14,694	14,694
3/4	89,450	78,826	68,198	57,571	46,943	36,315	25,688	15,073	14,473	14,473	14,473	14,473	14,473	14,473	14,473	14,473	14,473	14,473	14,473
6	89,229	78,605	67,977	57,349	46,722	36,094	25,466	14,852	14,252	14,252	14,252	14,252	14,252	14,252	14,252	14,252	14,252	14,252	14,252
1/4	89,008	78,383	67,756	57,128	46,500	35,873	25,245	14,632	14,032	14,032	14,032	14,032	14,032	14,032	14,032	14,032	14,032	14,032	14,032
1/2	88,787	78,162	67,534	56,907	46,279	35,651	25,023	14,411	13,811	13,811	13,811	13,811	13,811	13,811	13,811	13,811	13,811	13,811	13,811
3/4	88,565	77,941	67,313	56,685	46,057	35,430	24,802	14,190	13,590	13,590	13,590	13,590	13,590	13,590	13,590	13,590	13,590	13,590	13,590
7	88,344	77,719	67,091	56,464	45,836	35,208	24,581	13,969	13,369	13,369	13,369	13,369	13,369	13,369	13,369	13,369	13,369	13,369	13,369
1/4	88,123	77,498	66,870	56,242	45,615	34,987	24,359	13,748	13,148	13,148	13,148	13,148	13,148	13,148	13,148	13,148	13,148	13,148	13,148
1/2	87,901	77,276	66,649	56,021	45,393	34,765	24,138	13,528	12,928	12,928	12,928	12,928	12,928	12,928	12,928	12,928	12,928	12,928	12,928
3/4	87,680	77,055	66,427	55,799	45,172	34,544	23,916	13,307	12,707	12,707	12,707	12,707	12,707	12,707	12,707	12,707	12,707	12,707	12,707
8	87,459	76,833	66,206	55,578	44,950	34,323	23,695	13,086	12,486	12,486	12,486	12,486	12,486	12,486	12,486	12,486	12,486	12,486	12,486
1/4	87,237	76,612	65,984	55,357	44,729	34,101	23,473	12,865	12,265	12,265	12,265	12,265	12,265	12,265	12,265	12,265	12,265	12,265	12,265
1/2	87,016	76,391	65,763	55,135	44,508	33,880	23,252	12,644	12,044	12,044	12,044	12,044	12,044	12,044	12,044	12,044	12,044	12,044	12,044
3/4	86,795	76,169	65,542	54,914	44,286	33,658	23,031	12,424	11,824	11,824	11,824	11,824	11,824	11,824	11,824	11,824	11,824	11,824	11,824
9	86,573	75,948	65,320	54,692	44,065	33,437	22,809	12,203	11,603	11,603	11,603	11,603	11,603	11,603	11,603	11,603	11,603	11,603	11,603
1/4	86,352	75,726	65,099	54,471	43,843	33,216	22,588	11,982	11,382	11,382	11,382	11,382	11,382	11,382	11,382	11,382	11,382	11,382	11,382
1/2	86,131	75,505	64,877	54,250	43,622	32,994	22,366	11,761	11,161	11,161	11,161	11,161	11,161	11,161	11,161	11,161	11,161	11,161	11,161
3/4	85,910	75,284	64,656	54,028	43,400	32,773	22,145	11,540	10,940	10,940	10,940	10,940	10,940	10,940	10,940	10,940	10,940	10,940	10,940
10	85,688	75,062	64,434	53,807	43,179	32,551	21,924	11,319	10,719	10,719	10,719	10,719	10,719	10,719	10,719	10,719	10,719	10,719	10,719
1/4	85,467	74,841	64,213	53,585	42,958	32,330	21,702	11,097	10,497	10,497	10,497	10,497	10,497	10,497	10,497	10,497	10,497	10,497	10,497
1/2	85,246	74,619	63,992	53,364	42,736	32,109	21,481	10,876	10,276	10,276	10,276	10,276	10,276	10,276	10,276	10,276	10,276	10,276	10,276
3/4	85,024	74,398	63,770	53,143	42,515	31,887	21,259	10,654	10,054	10,054	10,054	10,054	10,054	10,054	10,054	10,054	10,054	10,054	10,054
11	84,803	74,177	63,549	52,921	42,293	31,666	21,038	10,433	9,833	9,833	9,833	9,833	9,833	9,833	9,833	9,833	9,833	9,833	9,833
1/4	84,582	73,955	63,327	52,700	42,072	31,444	20,817	10,212	9,612	9,612	9,612	9,612	9,612	9,612	9,612	9,612	9,612	9,612	9,612
1/2	84,360	73,734	63,106	52,478	41,851	31,223	20,595	10,000	9,400	9,400	9,400	9,400	9,400	9,400	9,400	9,400	9,400	9,400	9,400
3/4	84,139	73,512	62,885	52,257	41,629	31,001	20,374	9,769	9,169	9,169	9,169	9,169	9,169	9,169	9,169	9,169	9,169	9,169	9,169

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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The Johnson



BARGE "DBL 99"

3 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	0	0	0	0	147,613	0	137,031	0	126,408	0	115,786	0	105,163	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	147,394	1/4	136,810	1/4	126,187	1/4	115,564	1/4	104,942	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	147,174	1/2	136,588	1/2	125,966	1/2	115,343	1/2	104,720	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	146,955	3/4	136,367	3/4	125,744	3/4	115,122	3/4	104,499	3/4
1	1	1	1	1	1	1	1	1	1	146,736	1	136,146	1	125,523	1	114,900	1	104,278	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	146,516	1/4	135,924	1/4	125,302	1/4	114,679	1/4	104,057	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	146,297	1/2	135,703	1/2	125,080	1/2	114,458	1/2	103,835	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	146,078	3/4	135,482	3/4	124,859	3/4	114,237	3/4	103,614	3/4
2	2	2	2	2	2	2	2	2	2	145,859	2	135,260	2	124,638	2	114,015	2	103,393	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	145,639	1/4	135,039	1/4	124,417	1/4	113,794	1/4	103,171	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	145,420	1/2	134,818	1/2	124,195	1/2	113,573	1/2	102,950	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	145,201	3/4	134,597	3/4	123,974	3/4	113,351	3/4	102,729	3/4
3	3	3	3	3	3	3	3	3	3	144,982	3	134,375	3	123,753	3	113,130	3	102,507	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	144,762	1/4	134,154	1/4	123,531	1/4	112,909	1/4	102,286	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	144,543	1/2	133,933	1/2	123,310	1/2	112,687	1/2	102,065	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	144,324	3/4	133,711	3/4	123,089	3/4	112,466	3/4	101,843	3/4
4	4	4	4	4	4	4	4	4	4	144,105	4	133,490	4	122,867	4	112,245	4	101,622	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	143,885	1/4	133,269	1/4	122,646	1/4	112,023	1/4	101,401	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	143,666	1/2	133,047	1/2	122,425	1/2	111,802	1/2	101,180	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	143,447	3/4	132,826	3/4	122,204	3/4	111,581	3/4	100,958	3/4
5	5	5	5	5	5	5	5	5	5	143,227	5	132,605	5	121,982	5	111,360	5	100,737	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	143,006	1/4	132,384	1/4	121,761	1/4	111,138	1/4	100,516	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	142,785	1/2	132,162	1/2	121,540	1/2	110,917	1/2	100,294	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	142,564	3/4	131,941	3/4	121,318	3/4	110,696	3/4	100,073	3/4
6	6	6	6	6	6	6	6	6	6	142,342	6	131,720	6	121,097	6	110,474	6	99,852	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	142,121	1/4	131,498	1/4	120,876	1/4	110,253	1/4	99,630	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	141,900	1/2	131,277	1/2	120,654	1/2	110,032	1/2	99,409	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	141,678	3/4	131,056	3/4	120,433	3/4	109,810	3/4	99,188	3/4
7	7	7	7	7	7	7	7	7	7	141,457	7	130,834	7	120,212	7	109,589	7	98,967	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	141,236	1/4	130,613	1/4	119,990	1/4	109,368	1/4	98,745	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	141,014	1/2	130,392	1/2	119,769	1/2	109,147	1/2	98,524	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	140,793	3/4	130,170	3/4	119,548	3/4	108,925	3/4	98,303	3/4
8	8	8	8	8	8	8	8	8	8	140,572	8	129,949	8	119,327	8	108,704	8	98,081	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	140,350	1/4	129,728	1/4	119,105	1/4	108,483	1/4	97,860	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	140,129	1/2	129,507	1/2	118,884	1/2	108,261	1/2	97,639	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	139,908	3/4	129,285	3/4	118,663	3/4	108,040	3/4	97,417	3/4
9	9	9	9	9	9	9	9	9	9	139,687	9	129,064	9	118,441	9	107,819	9	97,196	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	139,465	1/4	128,843	1/4	118,220	1/4	107,597	1/4	96,975	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	139,244	1/2	128,621	1/2	117,999	1/2	107,376	1/2	96,753	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	139,023	3/4	128,400	3/4	117,777	3/4	107,155	3/4	96,532	3/4
10	10	10	10	10	10	10	10	10	10	138,801	10	128,179	10	117,556	10	106,933	10	96,311	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	138,580	1/4	127,957	1/4	117,335	1/4	106,712	1/4	96,090	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	138,359	1/2	127,736	1/2	117,114	1/2	106,491	1/2	95,868	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	138,137	3/4	127,515	3/4	116,892	3/4	106,270	3/4	95,647	3/4
11	11	11	11	11	11	11	11	11	11	137,916	11	127,294	11	116,671	11	106,048	11	95,426	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	137,695	1/4	127,072	1/4	116,450	1/4	105,827	1/4	95,204	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	137,474	1/2	126,851	1/2	116,228	1/2	105,606	1/2	94,983	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	137,252	3/4	126,630	3/4	116,007	3/4	105,384	3/4	94,762	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES 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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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Signature