



BARGE "HSM 3002"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	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
1 STBD	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
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8
3 PORT	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 STBD	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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

THE CORRECTION FOR 3'-00" TRIM DOWN BY STERN FOR 3 PORT IS - 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

November 2, 2016

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

<http://www.pmacorp.net>



BARGE "HSM 3002"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	385	0	13,256	0	28,188	0	43,216	0	58,182	0	73,167	0	88,196	0	103,224	0	118,248	0	133,270
1/4	562	1/4	13,558	1/4	28,501	1/4	43,529	1/4	58,493	1/4	73,481	1/4	88,509	1/4	103,537	1/4	118,561	1/4	133,583
1/2	739	1/2	13,859	1/2	28,814	1/2	43,842	1/2	58,803	1/2	73,794	1/2	88,822	1/2	103,850	1/2	118,874	1/2	133,896
3/4	916	3/4	14,161	3/4	29,127	3/4	44,155	3/4	59,114	3/4	74,107	3/4	89,135	3/4	104,163	3/4	119,187	3/4	134,209
1	1,093	1	14,462	1	29,440	1	44,468	1	59,425	1	74,420	1	89,448	1	104,477	1	119,500	1	134,522
1/4	1,332	1/4	14,768	1/4	29,753	1/4	44,781	1/4	59,735	1/4	74,733	1/4	89,761	1/4	104,790	1/4	119,813	1/4	134,835
1/2	1,571	1/2	15,073	1/2	30,066	1/2	45,094	1/2	60,046	1/2	75,046	1/2	90,074	1/2	105,103	1/2	120,126	1/2	135,148
3/4	1,810	3/4	15,378	3/4	30,379	3/4	45,407	3/4	60,357	3/4	75,359	3/4	90,387	3/4	105,416	3/4	120,439	3/4	135,461
2	2,048	2	15,684	2	30,692	2	45,720	2	60,668	2	75,672	2	90,701	2	105,729	2	120,752	2	135,773
1/4	2,310	1/4	15,993	1/4	31,005	1/4	46,033	1/4	60,978	1/4	75,985	1/4	91,014	1/4	106,042	1/4	121,065	1/4	136,086
1/2	2,572	1/2	16,302	1/2	31,319	1/2	46,346	1/2	61,289	1/2	76,298	1/2	91,327	1/2	106,355	1/2	121,378	1/2	136,399
3/4	2,834	3/4	16,611	3/4	31,632	3/4	46,660	3/4	61,600	3/4	76,611	3/4	91,640	3/4	106,668	3/4	121,690	3/4	136,712
3	3,096	3	16,921	3	31,945	3	46,973	3	61,911	3	76,925	3	91,953	3	106,981	3	122,003	3	137,025
1/4	3,363	1/4	17,233	1/4	32,258	1/4	47,286	1/4	62,222	1/4	77,238	1/4	92,266	1/4	107,294	1/4	122,316	1/4	137,338
1/2	3,629	1/2	17,545	1/2	32,571	1/2	47,599	1/2	62,533	1/2	77,551	1/2	92,579	1/2	107,607	1/2	122,629	1/2	137,651
3/4	3,896	3/4	17,857	3/4	32,884	3/4	47,912	3/4	62,843	3/4	77,864	3/4	92,892	3/4	107,920	3/4	122,942	3/4	137,964
4	4,163	4	18,169	4	33,197	4	48,225	4	63,154	4	78,177	4	93,205	4	108,233	4	123,255	4	138,277
1/4	4,433	1/4	18,482	1/4	33,510	1/4	48,537	1/4	63,466	1/4	78,490	1/4	93,518	1/4	108,546	1/4	123,568	1/4	138,590
1/2	4,704	1/2	18,795	1/2	33,823	1/2	48,850	1/2	63,778	1/2	78,803	1/2	93,831	1/2	108,859	1/2	123,881	1/2	138,903
3/4	4,975	3/4	19,108	3/4	34,136	3/4	49,162	3/4	64,090	3/4	79,116	3/4	94,145	3/4	109,172	3/4	124,194	3/4	139,216
5	5,245	5	19,421	5	34,449	5	49,474	5	64,402	5	79,429	5	94,458	5	109,485	5	124,507	5	139,529
1/4	5,520	1/4	19,735	1/4	34,762	1/4	49,786	1/4	64,715	1/4	79,742	1/4	94,771	1/4	109,798	1/4	124,820	1/4	139,842
1/2	5,794	1/2	20,048	1/2	35,076	1/2	50,098	1/2	65,027	1/2	80,055	1/2	95,084	1/2	110,111	1/2	125,133	1/2	140,155
3/4	6,069	3/4	20,361	3/4	35,389	3/4	50,409	3/4	65,340	3/4	80,369	3/4	95,397	3/4	110,424	3/4	125,446	3/4	140,468
6	6,343	6	20,674	6	35,702	6	50,721	6	65,653	6	80,682	6	95,710	6	110,737	6	125,759	6	140,781
1/4	6,622	1/4	20,987	1/4	36,015	1/4	51,032	1/4	65,966	1/4	80,995	1/4	96,023	1/4	111,050	1/4	126,072	1/4	141,094
1/2	6,900	1/2	21,300	1/2	36,328	1/2	51,344	1/2	66,279	1/2	81,308	1/2	96,336	1/2	111,363	1/2	126,385	1/2	141,407
3/4	7,179	3/4	21,613	3/4	36,641	3/4	51,655	3/4	66,593	3/4	81,621	3/4	96,649	3/4	111,676	3/4	126,698	3/4	141,720
7	7,457	7	21,926	7	36,954	7	51,967	7	66,906	7	81,934	7	96,962	7	111,989	7	127,011	7	142,033
1/4	7,739	1/4	22,239	1/4	37,267	1/4	52,278	1/4	67,219	1/4	82,247	1/4	97,275	1/4	112,302	1/4	127,324	1/4	142,346
1/2	8,022	1/2	22,552	1/2	37,580	1/2	52,588	1/2	67,532	1/2	82,560	1/2	97,589	1/2	112,615	1/2	127,637	1/2	142,658
3/4	8,304	3/4	22,865	3/4	37,893	3/4	52,899	3/4	67,845	3/4	82,873	3/4	97,902	3/4	112,928	3/4	127,950	3/4	142,971
8	8,586	8	23,178	8	38,206	8	53,210	8	68,158	8	83,186	8	98,215	8	113,241	8	128,263	8	143,284
1/4	8,872	1/4	23,491	1/4	38,519	1/4	53,521	1/4	68,471	1/4	83,499	1/4	98,528	1/4	113,554	1/4	128,575	1/4	143,597
1/2	9,158	1/2	23,805	1/2	38,832	1/2	53,832	1/2	68,784	1/2	83,813	1/2	98,841	1/2	113,867	1/2	128,888	1/2	143,910
3/4	9,444	3/4	24,118	3/4	39,146	3/4	54,143	3/4	69,097	3/4	84,126	3/4	99,154	3/4	114,180	3/4	129,201	3/4	144,223
9	9,730	9	24,431	9	39,459	9	54,453	9	69,410	9	84,439	9	99,467	9	114,492	9	129,514	9	144,536
1/4	10,020	1/4	24,744	1/4	39,772	1/4	54,764	1/4	69,723	1/4	84,752	1/4	99,780	1/4	114,805	1/4	129,827	1/4	144,849
1/2	10,310	1/2	25,057	1/2	40,085	1/2	55,075	1/2	70,037	1/2	85,065	1/2	100,093	1/2	115,118	1/2	130,140	1/2	145,162
3/4	10,600	3/4	25,370	3/4	40,398	3/4	55,385	3/4	70,350	3/4	85,378	3/4	100,406	3/4	115,431	3/4	130,453	3/4	145,475
10	10,890	10	25,683	10	40,711	10	55,696	10	70,663	10	85,691	10	100,719	10	115,744	10	130,766	10	145,788
1/4	11,184	1/4	25,996	1/4	41,024	1/4	56,007	1/4	70,976	1/4	86,004	1/4	101,033	1/4	116,057	1/4	131,079	1/4	146,101
1/2	11,478	1/2	26,309	1/2	41,337	1/2	56,318	1/2	71,289	1/2	86,317	1/2	101,346	1/2	116,370	1/2	131,392	1/2	146,414
3/4	11,772	3/4	26,622	3/4	41,650	3/4	56,628	3/4	71,602	3/4	86,630	3/4	101,659	3/4	116,683	3/4	131,705	3/4	146,727
11	12,066	11	26,935	11	41,963	11	56,939	11	71,915	11	86,943	11	101,972	11	116,996	11	132,018	11	147,040
1/4	12,363	1/4	27,248	1/4	42,276	1/4	57,250	1/4	72,228	1/4	87,257	1/4	102,285	1/4	117,309	1/4	132,331	1/4	147,353
1/2	12,661	1/2	27,562	1/2	42,589	1/2	57,560	1/2	72,541	1/2	87,570	1/2	102,598	1/2	117,622	1/2	132,644	1/2	147,666
3/4	12,958	3/4	27,875	3/4	42,903	3/4	57,871	3/4	72,854	3/4	87,883	3/4	102,911	3/4	117,935	3/4	132,957	3/4	147,979

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "HSM 3002"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 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	148,292	0	163,314	0	178,326	0	193,304	0	208,210	0		0		0		0		0	
1/4	148,605	1/4	163,626	1/4	178,638	1/4	193,616	1/4	208,490	1/4		1/4		1/4		1/4		1/4	
1/2	148,918	1/2	163,939	1/2	178,950	1/2	193,928	1/2	208,770	1/2		1/2		1/2		1/2		1/2	
3/4	149,231	3/4	164,252	3/4	179,262	3/4	194,240	3/4	209,050	3/4		3/4		3/4		3/4		3/4	
1	149,543	1	164,565	1	179,574	1	194,552	1	209,331	1		1		1		1		1	
1/4	149,856	1/4	164,878	1/4	179,886	1/4	194,864	1/4	209,562	1/4		1/4		1/4		1/4		1/4	
1/2	150,169	1/2	165,191	1/2	180,199	1/2	195,177	1/2	209,794	1/2		1/2		1/2		1/2		1/2	
3/4	150,482	3/4	165,504	3/4	180,511	3/4	195,489	3/4	210,026	3/4		3/4		3/4		3/4		3/4	
2	150,795	2	165,817	2	180,823	2	195,801	2	210,258	2		2		2		2		2	
1/4	151,108	1/4	166,130	1/4	181,135	1/4	196,113	1/4	210,437	1/4		1/4		1/4		1/4		1/4	
1/2	151,421	1/2	166,443	1/2	181,447	1/2	196,425	1/2	210,617	1/2		1/2		1/2		1/2		1/2	
3/4	151,734	3/4	166,756	3/4	181,759	3/4	196,737	3/4	210,796	3/4		3/4		3/4		3/4		3/4	
3	152,047	3	167,069	3	182,071	3	197,049	3	210,976	3		3		3		3		3	
1/4	152,360	1/4	167,382	1/4	182,383	1/4	197,361	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,673	1/2	167,695	1/2	182,695	1/2	197,673	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,986	3/4	168,008	3/4	183,007	3/4	197,985	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,299	4	168,321	4	183,319	4	198,297	4		4		4		4		4		4	
1/4	153,612	1/4	168,634	1/4	183,631	1/4	198,609	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,925	1/2	168,947	1/2	183,943	1/2	198,921	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,238	3/4	169,260	3/4	184,255	3/4	199,233	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,551	5	169,573	5	184,567	5	199,545	5		5		5		5		5		5	
1/4	154,864	1/4	169,886	1/4	184,879	1/4	199,856	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,177	1/2	170,199	1/2	185,191	1/2	200,167	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,490	3/4	170,511	3/4	185,503	3/4	200,478	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,803	6	170,824	6	185,815	6	200,789	6		6		6		6		6		6	
1/4	156,116	1/4	171,137	1/4	186,127	1/4	201,099	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,429	1/2	171,450	1/2	186,439	1/2	201,409	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,741	3/4	171,763	3/4	186,751	3/4	201,719	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,054	7	172,076	7	187,063	7	202,029	7		7		7		7		7		7	
1/4	157,367	1/4	172,389	1/4	187,375	1/4	202,339	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,680	1/2	172,702	1/2	187,688	1/2	202,649	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,993	3/4	173,015	3/4	188,000	3/4	202,959	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,306	8	173,328	8	188,312	8	203,268	8		8		8		8		8		8	
1/4	158,619	1/4	173,641	1/4	188,624	1/4	203,579	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,932	1/2	173,954	1/2	188,936	1/2	203,889	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,245	3/4	174,267	3/4	189,248	3/4	204,199	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,558	9	174,580	9	189,560	9	204,509	9		9		9		9		9		9	
1/4	159,871	1/4	174,892	1/4	189,872	1/4	204,819	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,184	1/2	175,205	1/2	190,184	1/2	205,129	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,497	3/4	175,517	3/4	190,496	3/4	205,438	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,810	10	175,830	10	190,808	10	205,748	10		10		10		10		10		10	
1/4	161,123	1/4	176,142	1/4	191,120	1/4	206,058	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,436	1/2	176,454	1/2	191,432	1/2	206,367	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,749	3/4	176,766	3/4	191,744	3/4	206,677	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,062	11	177,078	11	192,056	11	206,987	11		11		11		11		11		11	
1/4	162,375	1/4	177,390	1/4	192,368	1/4	207,292	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,688	1/2	177,702	1/2	192,680	1/2	207,598	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,001	3/4	178,014	3/4	192,992	3/4	207,904	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2016 CL
CALCULATED: 11/01/2016 CL
PRINTED: 11/02/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT
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BARGE "HSM 3002"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	385	0	13,246	0	28,166	0	43,182	0	58,193	0	73,207	0	88,224	0	103,240	0	118,252	0	133,262
1/4	562	1/4	13,547	1/4	28,478	1/4	43,495	1/4	58,506	1/4	73,520	1/4	88,536	1/4	103,553	1/4	118,565	1/4	133,575
1/2	739	1/2	13,848	1/2	28,791	1/2	43,807	1/2	58,819	1/2	73,833	1/2	88,849	1/2	103,866	1/2	118,878	1/2	133,888
3/4	916	3/4	14,150	3/4	29,104	3/4	44,120	3/4	59,131	3/4	74,146	3/4	89,162	3/4	104,179	3/4	119,190	3/4	134,200
1	1,093	1	14,451	1	29,417	1	44,433	1	59,444	1	74,459	1	89,475	1	104,492	1	119,503	1	134,513
1/4	1,331	1/4	14,756	1/4	29,730	1/4	44,746	1/4	59,756	1/4	74,771	1/4	89,788	1/4	104,804	1/4	119,816	1/4	134,826
1/2	1,570	1/2	15,061	1/2	30,043	1/2	45,059	1/2	60,069	1/2	75,084	1/2	90,101	1/2	105,117	1/2	120,128	1/2	135,138
3/4	1,808	3/4	15,366	3/4	30,355	3/4	45,372	3/4	60,382	3/4	75,397	3/4	90,414	3/4	105,430	3/4	120,441	3/4	135,451
2	2,047	2	15,671	2	30,668	2	45,684	2	60,694	2	75,710	2	90,726	2	105,743	2	120,754	2	135,764
1/4	2,309	1/4	15,980	1/4	30,981	1/4	45,997	1/4	61,007	1/4	76,023	1/4	91,039	1/4	106,056	1/4	121,066	1/4	136,076
1/2	2,570	1/2	16,289	1/2	31,294	1/2	46,310	1/2	61,320	1/2	76,336	1/2	91,352	1/2	106,369	1/2	121,379	1/2	136,389
3/4	2,832	3/4	16,598	3/4	31,607	3/4	46,623	3/4	61,632	3/4	76,648	3/4	91,665	3/4	106,681	3/4	121,692	3/4	136,702
3	3,094	3	16,907	3	31,920	3	46,936	3	61,945	3	76,961	3	91,978	3	106,994	3	122,005	3	137,015
1/4	3,360	1/4	17,219	1/4	32,232	1/4	47,249	1/4	62,258	1/4	77,274	1/4	92,291	1/4	107,307	1/4	122,317	1/4	137,327
1/2	3,627	1/2	17,531	1/2	32,545	1/2	47,561	1/2	62,571	1/2	77,587	1/2	92,603	1/2	107,620	1/2	122,630	1/2	137,640
3/4	3,893	3/4	17,843	3/4	32,858	3/4	47,874	3/4	62,883	3/4	77,900	3/4	92,916	3/4	107,933	3/4	122,943	3/4	137,953
4	4,160	4	18,155	4	33,171	4	48,187	4	63,196	4	78,213	4	93,229	4	108,245	4	123,255	4	138,265
1/4	4,430	1/4	18,468	1/4	33,484	1/4	48,500	1/4	63,509	1/4	78,525	1/4	93,542	1/4	108,558	1/4	123,568	1/4	138,578
1/2	4,700	1/2	18,781	1/2	33,797	1/2	48,813	1/2	63,822	1/2	78,838	1/2	93,855	1/2	108,871	1/2	123,881	1/2	138,891
3/4	4,971	3/4	19,093	3/4	34,109	3/4	49,126	3/4	64,135	3/4	79,151	3/4	94,168	3/4	109,184	3/4	124,194	3/4	139,204
5	5,241	5	19,406	5	34,422	5	49,438	5	64,447	5	79,464	5	94,481	5	109,496	5	124,506	5	139,516
1/4	5,516	1/4	19,719	1/4	34,735	1/4	49,751	1/4	64,760	1/4	79,777	1/4	94,793	1/4	109,809	1/4	124,819	1/4	139,829
1/2	5,790	1/2	20,032	1/2	35,048	1/2	50,064	1/2	65,073	1/2	80,090	1/2	95,106	1/2	110,122	1/2	125,132	1/2	140,142
3/4	6,064	3/4	20,345	3/4	35,361	3/4	50,377	3/4	65,386	3/4	80,403	3/4	95,419	3/4	110,434	3/4	125,444	3/4	140,454
6	6,339	6	20,658	6	35,674	6	50,690	6	65,699	6	80,715	6	95,732	6	110,747	6	125,757	6	140,767
1/4	6,617	1/4	20,970	1/4	35,986	1/4	51,003	1/4	66,012	1/4	81,028	1/4	96,045	1/4	111,060	1/4	126,070	1/4	141,080
1/2	6,895	1/2	21,283	1/2	36,299	1/2	51,315	1/2	66,325	1/2	81,341	1/2	96,358	1/2	111,372	1/2	126,383	1/2	141,393
3/4	7,173	3/4	21,596	3/4	36,612	3/4	51,628	3/4	66,637	3/4	81,654	3/4	96,670	3/4	111,685	3/4	126,695	3/4	141,705
7	7,451	7	21,909	7	36,925	7	51,941	7	66,950	7	81,967	7	96,983	7	111,998	7	127,008	7	142,018
1/4	7,733	1/4	22,222	1/4	37,238	1/4	52,254	1/4	67,263	1/4	82,280	1/4	97,296	1/4	112,311	1/4	127,321	1/4	142,331
1/2	8,015	1/2	22,535	1/2	37,551	1/2	52,566	1/2	67,576	1/2	82,592	1/2	97,609	1/2	112,623	1/2	127,633	1/2	142,643
3/4	8,297	3/4	22,847	3/4	37,864	3/4	52,879	3/4	67,889	3/4	82,905	3/4	97,922	3/4	112,936	3/4	127,946	3/4	142,956
8	8,579	8	23,160	8	38,176	8	53,192	8	68,202	8	83,218	8	98,235	8	113,249	8	128,259	8	143,269
1/4	8,865	1/4	23,473	1/4	38,489	1/4	53,504	1/4	68,514	1/4	83,531	1/4	98,548	1/4	113,561	1/4	128,571	1/4	143,582
1/2	9,151	1/2	23,786	1/2	38,802	1/2	53,817	1/2	68,827	1/2	83,844	1/2	98,860	1/2	113,874	1/2	128,884	1/2	143,894
3/4	9,437	3/4	24,099	3/4	39,115	3/4	54,129	3/4	69,140	3/4	84,157	3/4	99,173	3/4	114,187	3/4	129,197	3/4	144,207
9	9,723	9	24,412	9	39,428	9	54,442	9	69,453	9	84,470	9	99,486	9	114,500	9	129,510	9	144,520
1/4	10,013	1/4	24,724	1/4	39,741	1/4	54,755	1/4	69,766	1/4	84,782	1/4	99,799	1/4	114,812	1/4	129,822	1/4	144,832
1/2	10,302	1/2	25,037	1/2	40,053	1/2	55,067	1/2	70,079	1/2	85,095	1/2	100,112	1/2	115,125	1/2	130,135	1/2	145,145
3/4	10,592	3/4	25,350	3/4	40,366	3/4	55,380	3/4	70,392	3/4	85,408	3/4	100,425	3/4	115,438	3/4	130,448	3/4	145,458
10	10,882	10	25,663	10	40,679	10	55,692	10	70,704	10	85,721	10	100,737	10	115,750	10	130,760	10	145,771
1/4	11,175	1/4	25,976	1/4	40,992	1/4	56,005	1/4	71,017	1/4	86,034	1/4	101,050	1/4	116,063	1/4	131,073	1/4	146,083
1/2	11,469	1/2	26,289	1/2	41,305	1/2	56,318	1/2	71,330	1/2	86,347	1/2	101,363	1/2	116,376	1/2	131,386	1/2	146,396
3/4	11,763	3/4	26,601	3/4	41,618	3/4	56,630	3/4	71,643	3/4	86,659	3/4	101,676	3/4	116,689	3/4	131,699	3/4	146,709
11	12,056	11	26,914	11	41,930	11	56,943	11	71,956	11	86,972	11	101,989	11	117,001	11	132,011	11	147,021
1/4	12,354	1/4	27,227	1/4	42,243	1/4	57,256	1/4	72,269	1/4	87,285	1/4	102,302	1/4	117,314	1/4	132,324	1/4	147,334
1/2	12,651	1/2	27,540	1/2	42,556	1/2	57,568	1/2	72,581	1/2	87,598	1/2	102,614	1/2	117,627	1/2	132,637	1/2	147,647
3/4	12,948	3/4	27,853	3/4	42,869	3/4	57,881	3/4	72,894	3/4	87,911	3/4	102,927	3/4	117,939	3/4	132,949	3/4	147,960

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "HSM 3002"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	148,272	0	163,283	0	178,284	0	193,250	0	208,144	0		0		0		0		0	
1/4	148,585	1/4	163,595	1/4	178,596	1/4	193,562	1/4	208,424	1/4		1/4		1/4		1/4		1/4	
1/2	148,898	1/2	163,908	1/2	178,907	1/2	193,874	1/2	208,704	1/2		1/2		1/2		1/2		1/2	
3/4	149,210	3/4	164,221	3/4	179,219	3/4	194,186	3/4	208,984	3/4		3/4		3/4		3/4		3/4	
1	149,523	1	164,533	1	179,531	1	194,497	1	209,264	1		1		1		1		1	
1/4	149,836	1/4	164,846	1/4	179,843	1/4	194,809	1/4	209,496	1/4		1/4		1/4		1/4		1/4	
1/2	150,149	1/2	165,159	1/2	180,155	1/2	195,121	1/2	209,727	1/2		1/2		1/2		1/2		1/2	
3/4	150,461	3/4	165,472	3/4	180,466	3/4	195,433	3/4	209,959	3/4		3/4		3/4		3/4		3/4	
2	150,774	2	165,784	2	180,778	2	195,745	2	210,191	2		2		2		2		2	
1/4	151,087	1/4	166,097	1/4	181,090	1/4	196,056	1/4	210,370	1/4		1/4		1/4		1/4		1/4	
1/2	151,399	1/2	166,410	1/2	181,402	1/2	196,368	1/2	210,549	1/2		1/2		1/2		1/2		1/2	
3/4	151,712	3/4	166,722	3/4	181,714	3/4	196,680	3/4	210,729	3/4		3/4		3/4		3/4		3/4	
3	152,025	3	167,035	3	182,025	3	196,992	3	210,908	3		3		3		3		3	
1/4	152,338	1/4	167,348	1/4	182,337	1/4	197,304	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,650	1/2	167,661	1/2	182,649	1/2	197,615	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,963	3/4	167,973	3/4	182,961	3/4	197,927	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,276	4	168,286	4	183,273	4	198,239	4		4		4		4		4		4	
1/4	153,588	1/4	168,599	1/4	183,584	1/4	198,551	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,901	1/2	168,911	1/2	183,896	1/2	198,863	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,214	3/4	169,224	3/4	184,208	3/4	199,174	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,527	5	169,537	5	184,520	5	199,486	5		5		5		5		5		5	
1/4	154,839	1/4	169,850	1/4	184,832	1/4	199,797	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,152	1/2	170,162	1/2	185,143	1/2	200,108	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,465	3/4	170,475	3/4	185,455	3/4	200,418	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,777	6	170,788	6	185,767	6	200,729	6		6		6		6		6		6	
1/4	156,090	1/4	171,100	1/4	186,079	1/4	201,039	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,403	1/2	171,413	1/2	186,391	1/2	201,349	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,716	3/4	171,726	3/4	186,702	3/4	201,658	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,028	7	172,039	7	187,014	7	201,968	7		7		7		7		7		7	
1/4	157,341	1/4	172,351	1/4	187,326	1/4	202,278	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,654	1/2	172,664	1/2	187,638	1/2	202,587	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,966	3/4	172,977	3/4	187,950	3/4	202,897	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,279	8	173,289	8	188,261	8	203,207	8		8		8		8		8		8	
1/4	158,592	1/4	173,602	1/4	188,573	1/4	203,517	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,905	1/2	173,915	1/2	188,885	1/2	203,826	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,217	3/4	174,228	3/4	189,197	3/4	204,136	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,530	9	174,540	9	189,509	9	204,446	9		9		9		9		9		9	
1/4	159,843	1/4	174,853	1/4	189,820	1/4	204,756	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,155	1/2	175,165	1/2	190,132	1/2	205,065	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,468	3/4	175,477	3/4	190,444	3/4	205,375	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,781	10	175,789	10	190,756	10	205,685	10		10		10		10		10		10	
1/4	161,094	1/4	176,101	1/4	191,068	1/4	205,994	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,406	1/2	176,413	1/2	191,379	1/2	206,303	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,719	3/4	176,725	3/4	191,691	3/4	206,613	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,032	11	177,037	11	192,003	11	206,922	11		11		11		11		11		11	
1/4	162,344	1/4	177,348	1/4	192,315	1/4	207,228	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,657	1/2	177,660	1/2	192,627	1/2	207,533	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,970	3/4	177,972	3/4	192,938	3/4	207,839	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2016 CL
CALCULATED: 11/01/2016 CL
PRINTED: 11/02/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3002"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	1,032	0	15,701	0	30,769	0	45,465	0	59,955	0	74,814	0	89,884	0	104,954	0	120,019	0	135,082
1/4	1,267	1/4	16,015	1/4	31,082	1/4	45,766	1/4	60,257	1/4	75,128	1/4	90,198	1/4	105,268	1/4	120,333	1/4	135,396
1/2	1,503	1/2	16,329	1/2	31,396	1/2	46,067	1/2	60,560	1/2	75,442	1/2	90,512	1/2	105,582	1/2	120,647	1/2	135,710
3/4	1,738	3/4	16,643	3/4	31,710	3/4	46,369	3/4	60,862	3/4	75,755	3/4	90,826	3/4	105,896	3/4	120,961	3/4	136,023
1	1,974	1	16,957	1	32,024	1	46,670	1	61,164	1	76,069	1	91,140	1	106,210	1	121,274	1	136,337
1/4	2,267	1/4	17,271	1/4	32,338	1/4	46,971	1/4	61,466	1/4	76,383	1/4	91,454	1/4	106,524	1/4	121,588	1/4	136,651
1/2	2,561	1/2	17,585	1/2	32,652	1/2	47,272	1/2	61,768	1/2	76,697	1/2	91,768	1/2	106,838	1/2	121,902	1/2	136,965
3/4	2,854	3/4	17,899	3/4	32,966	3/4	47,574	3/4	62,071	3/4	77,011	3/4	92,082	3/4	107,152	3/4	122,216	3/4	137,279
2	3,148	2	18,213	2	33,280	2	47,875	2	62,373	2	77,325	2	92,396	2	107,466	2	122,530	2	137,592
1/4	3,461	1/4	18,527	1/4	33,594	1/4	48,176	1/4	62,675	1/4	77,639	1/4	92,710	1/4	107,780	1/4	122,843	1/4	137,906
1/2	3,774	1/2	18,841	1/2	33,908	1/2	48,478	1/2	62,977	1/2	77,953	1/2	93,024	1/2	108,094	1/2	123,157	1/2	138,220
3/4	4,087	3/4	19,154	3/4	34,222	3/4	48,779	3/4	63,279	3/4	78,267	3/4	93,338	3/4	108,408	3/4	123,471	3/4	138,534
3	4,400	3	19,468	3	34,536	3	49,080	3	63,581	3	78,581	3	93,651	3	108,722	3	123,785	3	138,848
1/4	4,713	1/4	19,782	1/4	34,850	1/4	49,382	1/4	63,884	1/4	78,895	1/4	93,965	1/4	109,036	1/4	124,099	1/4	139,161
1/2	5,027	1/2	20,096	1/2	35,164	1/2	49,683	1/2	64,186	1/2	79,209	1/2	94,279	1/2	109,350	1/2	124,412	1/2	139,475
3/4	5,341	3/4	20,410	3/4	35,478	3/4	49,985	3/4	64,488	3/4	79,523	3/4	94,593	3/4	109,663	3/4	124,726	3/4	139,789
4	5,654	4	20,724	4	35,792	4	50,286	4	64,790	4	79,837	4	94,907	4	109,977	4	125,040	4	140,103
1/4	5,968	1/4	21,038	1/4	36,100	1/4	50,588	1/4	65,098	1/4	80,151	1/4	95,221	1/4	110,291	1/4	125,354	1/4	140,417
1/2	6,282	1/2	21,352	1/2	36,408	1/2	50,890	1/2	65,406	1/2	80,465	1/2	95,535	1/2	110,605	1/2	125,668	1/2	140,730
3/4	6,596	3/4	21,666	3/4	36,716	3/4	51,192	3/4	65,715	3/4	80,779	3/4	95,849	3/4	110,919	3/4	125,982	3/4	141,044
5	6,910	5	21,980	5	37,024	5	51,494	5	66,023	5	81,093	5	96,163	5	111,233	5	126,295	5	141,358
1/4	7,224	1/4	22,294	1/4	37,326	1/4	51,796	1/4	66,337	1/4	81,407	1/4	96,477	1/4	111,546	1/4	126,609	1/4	141,672
1/2	7,538	1/2	22,608	1/2	37,628	1/2	52,098	1/2	66,651	1/2	81,721	1/2	96,791	1/2	111,860	1/2	126,923	1/2	141,986
3/4	7,852	3/4	22,922	3/4	37,931	3/4	52,400	3/4	66,964	3/4	82,035	3/4	97,105	3/4	112,174	3/4	127,237	3/4	142,300
6	8,166	6	23,236	6	38,233	6	52,702	6	67,278	6	82,349	6	97,419	6	112,488	6	127,551	6	142,613
1/4	8,480	1/4	23,550	1/4	38,535	1/4	53,005	1/4	67,592	1/4	82,663	1/4	97,733	1/4	112,802	1/4	127,864	1/4	142,927
1/2	8,794	1/2	23,864	1/2	38,836	1/2	53,307	1/2	67,906	1/2	82,977	1/2	98,047	1/2	113,115	1/2	128,178	1/2	143,241
3/4	9,108	3/4	24,178	3/4	39,138	3/4	53,609	3/4	68,220	3/4	83,291	3/4	98,361	3/4	113,429	3/4	128,492	3/4	143,555
7	9,422	7	24,492	7	39,440	7	53,911	7	68,534	7	83,605	7	98,675	7	113,743	7	128,806	7	143,869
1/4	9,736	1/4	24,806	1/4	39,741	1/4	54,213	1/4	68,848	1/4	83,919	1/4	98,989	1/4	114,057	1/4	129,120	1/4	144,182
1/2	10,050	1/2	25,120	1/2	40,042	1/2	54,516	1/2	69,162	1/2	84,233	1/2	99,303	1/2	114,371	1/2	129,433	1/2	144,496
3/4	10,364	3/4	25,434	3/4	40,343	3/4	54,818	3/4	69,476	3/4	84,547	3/4	99,617	3/4	114,684	3/4	129,747	3/4	144,810
8	10,678	8	25,748	8	40,645	8	55,120	8	69,790	8	84,860	8	99,931	8	114,998	8	130,061	8	145,124
1/4	10,992	1/4	26,061	1/4	40,946	1/4	55,422	1/4	70,104	1/4	85,174	1/4	100,245	1/4	115,312	1/4	130,375	1/4	145,438
1/2	11,306	1/2	26,375	1/2	41,247	1/2	55,724	1/2	70,418	1/2	85,488	1/2	100,559	1/2	115,626	1/2	130,689	1/2	145,751
3/4	11,620	3/4	26,689	3/4	41,548	3/4	56,027	3/4	70,732	3/4	85,802	3/4	100,873	3/4	115,940	3/4	131,002	3/4	146,065
9	11,933	9	27,003	9	41,850	9	56,329	9	71,046	9	86,116	9	101,187	9	116,253	9	131,316	9	146,379
1/4	12,247	1/4	27,317	1/4	42,151	1/4	56,631	1/4	71,360	1/4	86,430	1/4	101,501	1/4	116,567	1/4	131,630	1/4	146,693
1/2	12,561	1/2	27,631	1/2	42,452	1/2	56,933	1/2	71,674	1/2	86,744	1/2	101,815	1/2	116,881	1/2	131,944	1/2	147,007
3/4	12,875	3/4	27,944	3/4	42,754	3/4	57,235	3/4	71,988	3/4	87,058	3/4	102,129	3/4	117,195	3/4	132,258	3/4	147,320
10	13,189	10	28,258	10	43,055	10	57,538	10	72,302	10	87,372	10	102,443	10	117,509	10	132,571	10	147,634
1/4	13,503	1/4	28,572	1/4	43,356	1/4	57,840	1/4	72,616	1/4	87,686	1/4	102,756	1/4	117,823	1/4	132,885	1/4	147,948
1/2	13,817	1/2	28,885	1/2	43,657	1/2	58,142	1/2	72,930	1/2	88,000	1/2	103,070	1/2	118,136	1/2	133,199	1/2	148,262
3/4	14,131	3/4	29,199	3/4	43,959	3/4	58,444	3/4	73,244	3/4	88,314	3/4	103,384	3/4	118,450	3/4	133,513	3/4	148,576
11	14,445	11	29,513	11	44,260	11	58,746	11	73,558	11	88,628	11	103,698	11	118,764	11	133,827	11	148,889
1/4	14,759	1/4	29,827	1/4	44,561	1/4	59,049	1/4	73,872	1/4	88,942	1/4	104,012	1/4	119,078	1/4	134,141	1/4	149,203
1/2	15,073	1/2	30,141	1/2	44,862	1/2	59,351	1/2	74,186	1/2	89,256	1/2	104,326	1/2	119,392	1/2	134,454	1/2	149,517
3/4	15,387	3/4	30,455	3/4	45,164	3/4	59,653	3/4	74,500	3/4	89,570	3/4	104,640	3/4	119,705	3/4	134,768	3/4	149,831

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

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





BARGE "HSM 3002"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	150,145	0	165,207	0	180,260	0	195,271	0	210,186	0		0		0		0		0	
1/4	150,458	1/4	165,521	1/4	180,572	1/4	195,584	1/4	210,466	1/4		1/4		1/4		1/4		1/4	
1/2	150,772	1/2	165,835	1/2	180,885	1/2	195,897	1/2	210,746	1/2		1/2		1/2		1/2		1/2	
3/4	151,086	3/4	166,149	3/4	181,198	3/4	196,209	3/4	211,025	3/4		3/4		3/4		3/4		3/4	
1	151,400	1	166,463	1	181,511	1	196,522	1	211,305	1		1		1		1		1	
1/4	151,714	1/4	166,776	1/4	181,823	1/4	196,835	1/4	211,537	1/4		1/4		1/4		1/4		1/4	
1/2	152,028	1/2	167,090	1/2	182,136	1/2	197,148	1/2	211,768	1/2		1/2		1/2		1/2		1/2	
3/4	152,341	3/4	167,404	3/4	182,449	3/4	197,460	3/4	211,999	3/4		3/4		3/4		3/4		3/4	
2	152,655	2	167,718	2	182,761	2	197,773	2	212,231	2		2		2		2		2	
1/4	152,969	1/4	168,032	1/4	183,074	1/4	198,086	1/4	212,410	1/4		1/4		1/4		1/4		1/4	
1/2	153,283	1/2	168,346	1/2	183,387	1/2	198,399	1/2	212,588	1/2		1/2		1/2		1/2		1/2	
3/4	153,597	3/4	168,659	3/4	183,700	3/4	198,711	3/4	212,767	3/4		3/4		3/4		3/4		3/4	
3	153,910	3	168,973	3	184,012	3	199,024	3	212,946	3		3		3		3		3	
1/4	154,224	1/4	169,287	1/4	184,325	1/4	199,337	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,538	1/2	169,601	1/2	184,638	1/2	199,650	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,852	3/4	169,915	3/4	184,951	3/4	199,962	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,166	4	170,228	4	185,263	4	200,275	4		4		4		4		4		4	
1/4	155,479	1/4	170,542	1/4	185,576	1/4	200,588	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,793	1/2	170,856	1/2	185,889	1/2	200,901	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,107	3/4	171,170	3/4	186,202	3/4	201,213	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,421	5	171,484	5	186,514	5	201,526	5		5		5		5		5		5	
1/4	156,735	1/4	171,797	1/4	186,827	1/4	201,837	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,048	1/2	172,111	1/2	187,140	1/2	202,148	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,362	3/4	172,425	3/4	187,453	3/4	202,460	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,676	6	172,739	6	187,765	6	202,771	6		6		6		6		6		6	
1/4	157,990	1/4	173,053	1/4	188,078	1/4	203,080	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,304	1/2	173,366	1/2	188,391	1/2	203,390	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,617	3/4	173,680	3/4	188,704	3/4	203,700	3/4		3/4		3/4		3/4		3/4		3/4	
7	158,931	7	173,994	7	189,016	7	204,009	7		7		7		7		7		7	
1/4	159,245	1/4	174,308	1/4	189,329	1/4	204,319	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,559	1/2	174,622	1/2	189,642	1/2	204,629	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,873	3/4	174,935	3/4	189,955	3/4	204,939	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,187	8	175,249	8	190,267	8	205,248	8		8		8		8		8		8	
1/4	160,500	1/4	175,563	1/4	190,580	1/4	205,558	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,814	1/2	175,877	1/2	190,893	1/2	205,868	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,128	3/4	176,191	3/4	191,206	3/4	206,178	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,442	9	176,504	9	191,518	9	206,487	9		9		9		9		9		9	
1/4	161,756	1/4	176,818	1/4	191,831	1/4	206,797	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,069	1/2	177,131	1/2	192,144	1/2	207,107	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,383	3/4	177,444	3/4	192,456	3/4	207,417	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,697	10	177,758	10	192,769	10	207,726	10		10		10		10		10		10	
1/4	163,011	1/4	178,070	1/4	193,082	1/4	208,036	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,325	1/2	178,383	1/2	193,395	1/2	208,345	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,638	3/4	178,696	3/4	193,707	3/4	208,654	3/4		3/4		3/4		3/4		3/4		3/4	
11	163,952	11	179,009	11	194,020	11	208,963	11		11		11		11		11		11	
1/4	164,266	1/4	179,321	1/4	194,333	1/4	209,269	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,580	1/2	179,634	1/2	194,646	1/2	209,575	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,894	3/4	179,947	3/4	194,958	3/4	209,880	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2016 CL
CALCULATED: 11/01/2016 CL
PRINTED: 11/02/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT
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BARGE "HSM 3002"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	1,031	0	15,688	0	30,742	0	45,779	0	60,821	0	75,878	0	90,934	0	105,991	0	121,043	0	136,092
1/4	1,266	1/4	16,001	1/4	31,056	1/4	46,091	1/4	61,134	1/4	76,191	1/4	91,248	1/4	106,305	1/4	121,356	1/4	136,406
1/2	1,502	1/2	16,315	1/2	31,370	1/2	46,404	1/2	61,448	1/2	76,505	1/2	91,562	1/2	106,619	1/2	121,670	1/2	136,719
3/4	1,737	3/4	16,629	3/4	31,683	3/4	46,717	3/4	61,762	3/4	76,819	3/4	91,876	3/4	106,932	3/4	121,984	3/4	137,033
1	1,972	1	16,942	1	31,997	1	47,030	1	62,075	1	77,132	1	92,189	1	107,246	1	122,297	1	137,346
1/4	2,265	1/4	17,256	1/4	32,311	1/4	47,342	1/4	62,389	1/4	77,446	1/4	92,503	1/4	107,560	1/4	122,611	1/4	137,660
1/2	2,559	1/2	17,570	1/2	32,624	1/2	47,655	1/2	62,703	1/2	77,760	1/2	92,817	1/2	107,873	1/2	122,924	1/2	137,973
3/4	2,852	3/4	17,883	3/4	32,938	3/4	47,968	3/4	63,016	3/4	78,073	3/4	93,130	3/4	108,187	3/4	123,238	3/4	138,287
2	3,145	2	18,197	2	33,252	2	48,281	2	63,330	2	78,387	2	93,444	2	108,501	2	123,551	2	138,601
1/4	3,458	1/4	18,511	1/4	33,565	1/4	48,594	1/4	63,644	1/4	78,701	1/4	93,758	1/4	108,815	1/4	123,865	1/4	138,914
1/2	3,771	1/2	18,824	1/2	33,879	1/2	48,906	1/2	63,957	1/2	79,014	1/2	94,071	1/2	109,128	1/2	124,178	1/2	139,228
3/4	4,083	3/4	19,138	3/4	34,193	3/4	49,219	3/4	64,271	3/4	79,328	3/4	94,385	3/4	109,442	3/4	124,492	3/4	139,541
3	4,396	3	19,452	3	34,506	3	49,532	3	64,585	3	79,642	3	94,699	3	109,756	3	124,805	3	139,855
1/4	4,709	1/4	19,765	1/4	34,820	1/4	49,845	1/4	64,899	1/4	79,955	1/4	95,012	1/4	110,069	1/4	125,119	1/4	140,168
1/2	5,023	1/2	20,079	1/2	35,134	1/2	50,158	1/2	65,212	1/2	80,269	1/2	95,326	1/2	110,383	1/2	125,432	1/2	140,482
3/4	5,336	3/4	20,393	3/4	35,447	3/4	50,471	3/4	65,526	3/4	80,583	3/4	95,640	3/4	110,696	3/4	125,746	3/4	140,795
4	5,650	4	20,707	4	35,761	4	50,784	4	65,840	4	80,896	4	95,953	4	111,010	4	126,059	4	141,109
1/4	5,963	1/4	21,020	1/4	36,075	1/4	51,097	1/4	66,153	1/4	81,210	1/4	96,267	1/4	111,324	1/4	126,373	1/4	141,422
1/2	6,277	1/2	21,334	1/2	36,388	1/2	51,411	1/2	66,467	1/2	81,524	1/2	96,581	1/2	111,637	1/2	126,686	1/2	141,736
3/4	6,591	3/4	21,648	3/4	36,702	3/4	51,724	3/4	66,781	3/4	81,838	3/4	96,894	3/4	111,951	3/4	127,000	3/4	142,049
5	6,904	5	21,961	5	37,016	5	52,037	5	67,094	5	82,151	5	97,208	5	112,264	5	127,314	5	142,363
1/4	7,218	1/4	22,275	1/4	37,330	1/4	52,351	1/4	67,408	1/4	82,465	1/4	97,522	1/4	112,578	1/4	127,627	1/4	142,676
1/2	7,532	1/2	22,589	1/2	37,643	1/2	52,665	1/2	67,722	1/2	82,779	1/2	97,836	1/2	112,891	1/2	127,941	1/2	142,990
3/4	7,845	3/4	22,902	3/4	37,957	3/4	52,978	3/4	68,035	3/4	83,092	3/4	98,149	3/4	113,205	3/4	128,254	3/4	143,303
6	8,159	6	23,216	6	38,271	6	53,292	6	68,349	6	83,406	6	98,463	6	113,518	6	128,568	6	143,617
1/4	8,473	1/4	23,530	1/4	38,584	1/4	53,606	1/4	68,663	1/4	83,720	1/4	98,777	1/4	113,832	1/4	128,881	1/4	143,931
1/2	8,787	1/2	23,843	1/2	38,897	1/2	53,920	1/2	68,976	1/2	84,033	1/2	99,090	1/2	114,145	1/2	129,195	1/2	144,244
3/4	9,100	3/4	24,157	3/4	39,210	3/4	54,233	3/4	69,290	3/4	84,347	3/4	99,404	3/4	114,459	3/4	129,508	3/4	144,558
7	9,414	7	24,471	7	39,523	7	54,547	7	69,604	7	84,661	7	99,718	7	114,772	7	129,822	7	144,871
1/4	9,728	1/4	24,784	1/4	39,836	1/4	54,861	1/4	69,917	1/4	84,974	1/4	100,031	1/4	115,086	1/4	130,135	1/4	145,185
1/2	10,041	1/2	25,098	1/2	40,149	1/2	55,174	1/2	70,231	1/2	85,288	1/2	100,345	1/2	115,399	1/2	130,449	1/2	145,498
3/4	10,355	3/4	25,412	3/4	40,462	3/4	55,488	3/4	70,545	3/4	85,602	3/4	100,659	3/4	115,713	3/4	130,762	3/4	145,812
8	10,669	8	25,725	8	40,775	8	55,802	8	70,859	8	85,915	8	100,972	8	116,026	8	131,076	8	146,125
1/4	10,982	1/4	26,039	1/4	41,087	1/4	56,115	1/4	71,172	1/4	86,229	1/4	101,286	1/4	116,340	1/4	131,389	1/4	146,439
1/2	11,296	1/2	26,353	1/2	41,400	1/2	56,429	1/2	71,486	1/2	86,543	1/2	101,600	1/2	116,654	1/2	131,703	1/2	146,752
3/4	11,610	3/4	26,666	3/4	41,713	3/4	56,743	3/4	71,800	3/4	86,857	3/4	101,913	3/4	116,967	3/4	132,016	3/4	147,066
9	11,923	9	26,980	9	42,026	9	57,056	9	72,113	9	87,170	9	102,227	9	117,281	9	132,330	9	147,379
1/4	12,237	1/4	27,293	1/4	42,338	1/4	57,370	1/4	72,427	1/4	87,484	1/4	102,541	1/4	117,594	1/4	132,643	1/4	147,693
1/2	12,551	1/2	27,607	1/2	42,651	1/2	57,684	1/2	72,741	1/2	87,798	1/2	102,855	1/2	117,908	1/2	132,957	1/2	148,006
3/4	12,864	3/4	27,920	3/4	42,964	3/4	57,997	3/4	73,054	3/4	88,111	3/4	103,168	3/4	118,221	3/4	133,271	3/4	148,320
10	13,178	10	28,234	10	43,277	10	58,311	10	73,368	10	88,425	10	103,482	10	118,535	10	133,584	10	148,633
1/4	13,492	1/4	28,547	1/4	43,589	1/4	58,625	1/4	73,682	1/4	88,739	1/4	103,796	1/4	118,848	1/4	133,898	1/4	148,947
1/2	13,805	1/2	28,861	1/2	43,902	1/2	58,938	1/2	73,995	1/2	89,052	1/2	104,109	1/2	119,162	1/2	134,211	1/2	149,260
3/4	14,119	3/4	29,174	3/4	44,215	3/4	59,252	3/4	74,309	3/4	89,366	3/4	104,423	3/4	119,475	3/4	134,525	3/4	149,574
11	14,433	11	29,488	11	44,528	11	59,566	11	74,623	11	89,680	11	104,737	11	119,789	11	134,838	11	149,888
1/4	14,747	1/4	29,801	1/4	44,840	1/4	59,880	1/4	74,936	1/4	89,993	1/4	105,050	1/4	120,102	1/4	135,152	1/4	150,201
1/2	15,060	1/2	30,115	1/2	45,153	1/2	60,193	1/2	75,250	1/2	90,307	1/2	105,364	1/2	120,416	1/2	135,465	1/2	150,515
3/4	15,374	3/4	30,429	3/4	45,466	3/4	60,507	3/4	75,564	3/4	90,621	3/4	105,678	3/4	120,729	3/4	135,779	3/4	150,828

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HSM 3002"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	151,142	0	166,191	0	181,230	0	196,228	0	211,130	0		0		0		0		0	
1/4	151,455	1/4	166,505	1/4	181,542	1/4	196,541	1/4	211,409	1/4		1/4		1/4		1/4		1/4	
1/2	151,769	1/2	166,818	1/2	181,855	1/2	196,853	1/2	211,689	1/2		1/2		1/2		1/2		1/2	
3/4	152,082	3/4	167,132	3/4	182,167	3/4	197,165	3/4	211,968	3/4		3/4		3/4		3/4		3/4	
1	152,396	1	167,445	1	182,480	1	197,478	1	212,248	1		1		1		1		1	
1/4	152,709	1/4	167,759	1/4	182,792	1/4	197,790	1/4	212,479	1/4		1/4		1/4		1/4		1/4	
1/2	153,023	1/2	168,072	1/2	183,105	1/2	198,103	1/2	212,710	1/2		1/2		1/2		1/2		1/2	
3/4	153,336	3/4	168,386	3/4	183,417	3/4	198,415	3/4	212,941	3/4		3/4		3/4		3/4		3/4	
2	153,650	2	168,699	2	183,729	2	198,728	2	213,172	2		2		2		2		2	
1/4	153,963	1/4	169,013	1/4	184,042	1/4	199,040	1/4	213,351	1/4		1/4		1/4		1/4		1/4	
1/2	154,277	1/2	169,326	1/2	184,354	1/2	199,353	1/2	213,530	1/2		1/2		1/2		1/2		1/2	
3/4	154,590	3/4	169,640	3/4	184,667	3/4	199,665	3/4	213,709	3/4		3/4		3/4		3/4		3/4	
3	154,904	3	169,953	3	184,979	3	199,978	3	213,888	3		3		3		3		3	
1/4	155,218	1/4	170,267	1/4	185,292	1/4	200,290	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,531	1/2	170,580	1/2	185,604	1/2	200,603	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,845	3/4	170,894	3/4	185,917	3/4	200,915	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,158	4	171,207	4	186,229	4	201,228	4		4		4		4		4		4	
1/4	156,472	1/4	171,521	1/4	186,542	1/4	201,540	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,785	1/2	171,835	1/2	186,854	1/2	201,852	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,099	3/4	172,148	3/4	187,167	3/4	202,165	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,412	5	172,462	5	187,479	5	202,477	5		5		5		5		5		5	
1/4	157,726	1/4	172,775	1/4	187,792	1/4	202,788	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,039	1/2	173,089	1/2	188,104	1/2	203,099	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,353	3/4	173,402	3/4	188,416	3/4	203,410	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,666	6	173,716	6	188,729	6	203,721	6		6		6		6		6		6	
1/4	158,980	1/4	174,029	1/4	189,041	1/4	204,030	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,293	1/2	174,343	1/2	189,354	1/2	204,340	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,607	3/4	174,656	3/4	189,666	3/4	204,649	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,920	7	174,970	7	189,979	7	204,959	7		7		7		7		7		7	
1/4	160,234	1/4	175,283	1/4	190,291	1/4	205,268	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,548	1/2	175,597	1/2	190,604	1/2	205,577	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,861	3/4	175,910	3/4	190,916	3/4	205,887	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,175	8	176,224	8	191,229	8	206,196	8		8		8		8		8		8	
1/4	161,488	1/4	176,537	1/4	191,541	1/4	206,506	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,802	1/2	176,851	1/2	191,854	1/2	206,815	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,115	3/4	177,165	3/4	192,166	3/4	207,125	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,429	9	177,478	9	192,478	9	207,434	9		9		9		9		9		9	
1/4	162,742	1/4	177,791	1/4	192,791	1/4	207,744	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,056	1/2	178,104	1/2	193,103	1/2	208,053	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,369	3/4	178,417	3/4	193,416	3/4	208,363	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,683	10	178,730	10	193,728	10	208,672	10		10		10		10		10		10	
1/4	163,996	1/4	179,043	1/4	194,041	1/4	208,981	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,310	1/2	179,355	1/2	194,353	1/2	209,290	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,623	3/4	179,667	3/4	194,666	3/4	209,599	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,937	11	179,980	11	194,978	11	209,908	11		11		11		11		11		11	
1/4	165,250	1/4	180,292	1/4	195,291	1/4	210,214	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,564	1/2	180,605	1/2	195,603	1/2	210,519	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,878	3/4	180,917	3/4	195,916	3/4	210,824	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2016 CL
CALCULATED: 11/01/2016 CL
PRINTED: 11/02/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3002"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	1,027	0	15,614	0	30,585	0	45,327	0	59,866	0	74,758	0	89,706	0	104,666	0	119,616	0	134,562
1/4	1,261	1/4	15,926	1/4	30,897	1/4	45,628	1/4	60,178	1/4	75,068	1/4	90,017	1/4	104,978	1/4	119,927	1/4	134,874
1/2	1,495	1/2	16,238	1/2	31,209	1/2	45,929	1/2	60,489	1/2	75,378	1/2	90,329	1/2	105,289	1/2	120,238	1/2	135,185
3/4	1,730	3/4	16,550	3/4	31,520	3/4	46,231	3/4	60,801	3/4	75,688	3/4	90,641	3/4	105,601	3/4	120,550	3/4	135,496
1	1,964	1	16,862	1	31,832	1	46,532	1	61,112	1	75,998	1	90,952	1	105,913	1	120,861	1	135,808
1/4	2,256	1/4	17,174	1/4	32,144	1/4	46,834	1/4	61,424	1/4	76,307	1/4	91,264	1/4	106,225	1/4	121,173	1/4	136,119
1/2	2,548	1/2	17,486	1/2	32,456	1/2	47,135	1/2	61,735	1/2	76,617	1/2	91,575	1/2	106,536	1/2	121,484	1/2	136,430
3/4	2,840	3/4	17,798	3/4	32,768	3/4	47,437	3/4	62,047	3/4	76,927	3/4	91,887	3/4	106,848	3/4	121,795	3/4	136,742
2	3,132	2	18,110	2	33,080	2	47,739	2	62,359	2	77,237	2	92,198	2	107,160	2	122,107	2	137,053
1/4	3,444	1/4	18,422	1/4	33,392	1/4	48,041	1/4	62,669	1/4	77,548	1/4	92,510	1/4	107,471	1/4	122,418	1/4	137,365
1/2	3,755	1/2	18,733	1/2	33,704	1/2	48,343	1/2	62,980	1/2	77,859	1/2	92,821	1/2	107,783	1/2	122,730	1/2	137,676
3/4	4,067	3/4	19,045	3/4	34,016	3/4	48,645	3/4	63,291	3/4	78,170	3/4	93,133	3/4	108,094	3/4	123,041	3/4	137,987
3	4,378	3	19,357	3	34,328	3	48,947	3	63,602	3	78,481	3	93,445	3	108,406	3	123,352	3	138,299
1/4	4,690	1/4	19,669	1/4	34,639	1/4	49,249	1/4	63,911	1/4	78,793	1/4	93,756	1/4	108,717	1/4	123,664	1/4	138,610
1/2	5,002	1/2	19,981	1/2	34,951	1/2	49,551	1/2	64,221	1/2	79,104	1/2	94,068	1/2	109,028	1/2	123,975	1/2	138,922
3/4	5,314	3/4	20,293	3/4	35,262	3/4	49,853	3/4	64,531	3/4	79,416	3/4	94,379	3/4	109,340	3/4	124,286	3/4	139,233
4	5,626	4	20,605	4	35,573	4	50,155	4	64,841	4	79,728	4	94,691	4	109,651	4	124,598	4	139,544
1/4	5,939	1/4	20,917	1/4	35,881	1/4	50,457	1/4	65,151	1/4	80,040	1/4	95,002	1/4	109,963	1/4	124,909	1/4	139,856
1/2	6,251	1/2	21,229	1/2	36,189	1/2	50,759	1/2	65,461	1/2	80,352	1/2	95,314	1/2	110,274	1/2	125,221	1/2	140,167
3/4	6,563	3/4	21,541	3/4	36,497	3/4	51,062	3/4	65,771	3/4	80,664	3/4	95,625	3/4	110,586	3/4	125,532	3/4	140,478
5	6,875	5	21,853	5	36,804	5	51,364	5	66,081	5	80,976	5	95,937	5	110,897	5	125,843	5	140,790
1/4	7,187	1/4	22,165	1/4	37,109	1/4	51,666	1/4	66,391	1/4	81,287	1/4	96,248	1/4	111,208	1/4	126,155	1/4	141,101
1/2	7,499	1/2	22,477	1/2	37,414	1/2	51,968	1/2	66,701	1/2	81,599	1/2	96,560	1/2	111,520	1/2	126,466	1/2	141,412
3/4	7,811	3/4	22,789	3/4	37,718	3/4	52,270	3/4	67,010	3/4	81,911	3/4	96,872	3/4	111,831	3/4	126,778	3/4	141,723
6	8,123	6	23,100	6	38,023	6	52,572	6	67,320	6	82,223	6	97,183	6	112,142	6	127,089	6	142,034
1/4	8,436	1/4	23,412	1/4	38,327	1/4	52,874	1/4	67,630	1/4	82,535	1/4	97,495	1/4	112,454	1/4	127,400	1/4	142,341
1/2	8,748	1/2	23,724	1/2	38,632	1/2	53,176	1/2	67,940	1/2	82,847	1/2	97,806	1/2	112,765	1/2	127,712	1/2	142,647
3/4	9,060	3/4	24,036	3/4	38,937	3/4	53,478	3/4	68,250	3/4	83,159	3/4	98,118	3/4	113,077	3/4	128,023	3/4	142,954
7	9,373	7	24,348	7	39,241	7	53,780	7	68,560	7	83,471	7	98,430	7	113,388	7	128,334	7	143,261
1/4	9,685	1/4	24,660	1/4	39,546	1/4	54,082	1/4	68,870	1/4	83,782	1/4	98,742	1/4	113,699	1/4	128,646	1/4	143,555
1/2	9,998	1/2	24,972	1/2	39,851	1/2	54,384	1/2	69,180	1/2	84,094	1/2	99,053	1/2	114,011	1/2	128,957	1/2	143,849
3/4	10,310	3/4	25,284	3/4	40,155	3/4	54,686	3/4	69,490	3/4	84,406	3/4	99,365	3/4	114,322	3/4	129,269	3/4	144,143
8	10,622	8	25,596	8	40,460	8	54,989	8	69,800	8	84,718	8	99,677	8	114,634	8	129,580	8	144,438
1/4	10,935	1/4	25,908	1/4	40,764	1/4	55,291	1/4	70,109	1/4	85,030	1/4	99,989	1/4	114,945	1/4	129,891	1/4	144,716
1/2	11,247	1/2	26,220	1/2	41,069	1/2	55,593	1/2	70,419	1/2	85,342	1/2	100,301	1/2	115,256	1/2	130,203	1/2	144,994
3/4	11,559	3/4	26,531	3/4	41,374	3/4	55,895	3/4	70,729	3/4	85,654	3/4	100,612	3/4	115,568	3/4	130,514	3/4	145,273
9	11,871	9	26,843	9	41,678	9	56,197	9	71,039	9	85,965	9	100,924	9	115,879	9	130,826	9	145,551
1/4	12,183	1/4	27,155	1/4	41,983	1/4	56,500	1/4	71,349	1/4	86,277	1/4	101,236	1/4	116,190	1/4	131,137	1/4	145,813
1/2	12,495	1/2	27,467	1/2	42,287	1/2	56,804	1/2	71,659	1/2	86,589	1/2	101,548	1/2	116,502	1/2	131,448	1/2	146,076
3/4	12,807	3/4	27,779	3/4	42,592	3/4	57,108	3/4	71,969	3/4	86,901	3/4	101,860	3/4	116,813	3/4	131,760	3/4	146,338
10	13,119	10	28,090	10	42,897	10	57,411	10	72,279	10	87,213	10	102,171	10	117,125	10	132,071	10	146,601
1/4	13,431	1/4	28,402	1/4	43,201	1/4	57,717	1/4	72,589	1/4	87,525	1/4	102,483	1/4	117,436	1/4	132,382	1/4	146,848
1/2	13,743	1/2	28,714	1/2	43,506	1/2	58,022	1/2	72,899	1/2	87,836	1/2	102,795	1/2	117,747	1/2	132,694	1/2	147,095
3/4	14,055	3/4	29,026	3/4	43,810	3/4	58,327	3/4	73,208	3/4	88,148	3/4	103,107	3/4	118,059	3/4	133,005	3/4	147,342
11	14,366	11	29,337	11	44,115	11	58,633	11	73,518	11	88,460	11	103,419	11	118,370	11	133,317	11	147,589
1/4	14,678	1/4	29,649	1/4	44,418	1/4	58,941	1/4	73,828	1/4	88,771	1/4	103,730	1/4	118,682	1/4	133,628	1/4	147,819
1/2	14,990	1/2	29,961	1/2	44,721	1/2	59,249	1/2	74,138	1/2	89,083	1/2	104,042	1/2	118,993	1/2	133,939	1/2	148,050
3/4	15,302	3/4	30,273	3/4	45,024	3/4	59,558	3/4	74,448	3/4	89,394	3/4	104,354	3/4	119,304	3/4	134,251	3/4	148,281

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HSM 3002"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	148,512	0	158,881	0	169,229	0	179,548	0	189,852	0		0		0		0		0	
1/4	148,731	1/4	159,097	1/4	169,444	1/4	179,763	1/4	190,045	1/4		1/4		1/4		1/4		1/4	
1/2	148,950	1/2	159,313	1/2	169,659	1/2	179,978	1/2	190,238	1/2		1/2		1/2		1/2		1/2	
3/4	149,170	3/4	159,528	3/4	169,874	3/4	180,193	3/4	190,430	3/4		3/4		3/4		3/4		3/4	
1	149,389	1	159,744	1	170,089	1	180,408	1	190,623	1		1		1		1		1	
1/4	149,605	1/4	159,960	1/4	170,304	1/4	180,622	1/4	190,783	1/4		1/4		1/4		1/4		1/4	
1/2	149,820	1/2	160,176	1/2	170,519	1/2	180,837	1/2	190,942	1/2		1/2		1/2		1/2		1/2	
3/4	150,036	3/4	160,391	3/4	170,734	3/4	181,052	3/4	191,102	3/4		3/4		3/4		3/4		3/4	
2	150,252	2	160,607	2	170,949	2	181,267	2	191,261	2		2		2		2		2	
1/4	150,468	1/4	160,823	1/4	171,164	1/4	181,482	1/4	191,385	1/4		1/4		1/4		1/4		1/4	
1/2	150,683	1/2	161,039	1/2	171,379	1/2	181,697	1/2	191,508	1/2		1/2		1/2		1/2		1/2	
3/4	150,899	3/4	161,254	3/4	171,594	3/4	181,912	3/4	191,632	3/4		3/4		3/4		3/4		3/4	
3	151,115	3	161,470	3	171,809	3	182,127	3	191,755	3		3		3		3		3	
1/4	151,331	1/4	161,686	1/4	172,024	1/4	182,342	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,546	1/2	161,901	1/2	172,238	1/2	182,557	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	151,762	3/4	162,117	3/4	172,453	3/4	182,772	3/4		3/4		3/4		3/4		3/4		3/4	
4	151,978	4	162,333	4	172,668	4	182,987	4		4		4		4		4		4	
1/4	152,193	1/4	162,549	1/4	172,883	1/4	183,202	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,409	1/2	162,764	1/2	173,098	1/2	183,417	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,625	3/4	162,980	3/4	173,313	3/4	183,632	3/4		3/4		3/4		3/4		3/4		3/4	
5	152,841	5	163,196	5	173,528	5	183,847	5		5		5		5		5		5	
1/4	153,056	1/4	163,412	1/4	173,743	1/4	184,062	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,272	1/2	163,627	1/2	173,958	1/2	184,277	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,488	3/4	163,843	3/4	174,173	3/4	184,492	3/4		3/4		3/4		3/4		3/4		3/4	
6	153,704	6	164,059	6	174,388	6	184,707	6		6		6		6		6		6	
1/4	153,919	1/4	164,275	1/4	174,603	1/4	184,922	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,135	1/2	164,490	1/2	174,818	1/2	185,137	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,351	3/4	164,706	3/4	175,033	3/4	185,352	3/4		3/4		3/4		3/4		3/4		3/4	
7	154,567	7	164,922	7	175,248	7	185,567	7		7		7		7		7		7	
1/4	154,782	1/4	165,137	1/4	175,463	1/4	185,782	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,998	1/2	165,353	1/2	175,678	1/2	185,997	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,214	3/4	165,569	3/4	175,893	3/4	186,212	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,429	8	165,785	8	176,108	8	186,427	8		8		8		8		8		8	
1/4	155,645	1/4	166,000	1/4	176,323	1/4	186,642	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,861	1/2	166,216	1/2	176,538	1/2	186,857	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,077	3/4	166,432	3/4	176,753	3/4	187,072	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,292	9	166,648	9	176,968	9	187,287	9		9		9		9		9		9	
1/4	156,508	1/4	166,863	1/4	177,183	1/4	187,502	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,724	1/2	167,078	1/2	177,398	1/2	187,717	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,940	3/4	167,294	3/4	177,613	3/4	187,932	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,155	10	167,509	10	177,828	10	188,147	10		10		10		10		10		10	
1/4	157,371	1/4	167,724	1/4	178,043	1/4	188,362	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,587	1/2	167,939	1/2	178,258	1/2	188,577	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,803	3/4	168,154	3/4	178,473	3/4	188,792	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,018	11	168,369	11	178,688	11	189,006	11		11		11		11		11		11	
1/4	158,234	1/4	168,584	1/4	178,903	1/4	189,218	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,450	1/2	168,799	1/2	179,118	1/2	189,429	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,665	3/4	169,014	3/4	179,333	3/4	189,641	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/01/2016 CL
CALCULATED: 11/01/2016 CL
PRINTED: 11/02/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT
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BARGE "HSM 3002"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	1,029	0	15,653	0	30,676	0	45,684	0	60,706	0	75,730	0	90,754	0	105,778	0	120,785	0	135,789
1/4	1,263	1/4	15,966	1/4	30,989	1/4	45,996	1/4	61,019	1/4	76,043	1/4	91,067	1/4	106,091	1/4	121,098	1/4	136,102
1/2	1,498	1/2	16,279	1/2	31,302	1/2	46,309	1/2	61,332	1/2	76,356	1/2	91,380	1/2	106,404	1/2	121,411	1/2	136,414
3/4	1,733	3/4	16,592	3/4	31,615	3/4	46,622	3/4	61,645	3/4	76,669	3/4	91,693	3/4	106,717	3/4	121,723	3/4	136,727
1	1,968	1	16,905	1	31,928	1	46,935	1	61,958	1	76,982	1	92,006	1	107,030	1	122,036	1	137,040
1/4	2,260	1/4	17,218	1/4	32,241	1/4	47,248	1/4	62,271	1/4	77,295	1/4	92,319	1/4	107,343	1/4	122,348	1/4	137,352
1/2	2,553	1/2	17,531	1/2	32,554	1/2	47,560	1/2	62,584	1/2	77,608	1/2	92,632	1/2	107,656	1/2	122,661	1/2	137,665
3/4	2,846	3/4	17,844	3/4	32,867	3/4	47,873	3/4	62,897	3/4	77,921	3/4	92,945	3/4	107,969	3/4	122,973	3/4	137,977
2	3,138	2	18,157	2	33,180	2	48,186	2	63,210	2	78,234	2	93,258	2	108,281	2	123,286	2	138,290
1/4	3,450	1/4	18,470	1/4	33,493	1/4	48,499	1/4	63,523	1/4	78,547	1/4	93,571	1/4	108,594	1/4	123,599	1/4	138,603
1/2	3,762	1/2	18,783	1/2	33,806	1/2	48,812	1/2	63,836	1/2	78,860	1/2	93,884	1/2	108,907	1/2	123,911	1/2	138,915
3/4	4,074	3/4	19,096	3/4	34,119	3/4	49,125	3/4	64,149	3/4	79,173	3/4	94,197	3/4	109,219	3/4	124,224	3/4	139,228
3	4,386	3	19,409	3	34,432	3	49,438	3	64,462	3	79,486	3	94,510	3	109,532	3	124,536	3	139,540
1/4	4,699	1/4	19,722	1/4	34,745	1/4	49,751	1/4	64,775	1/4	79,799	1/4	94,823	1/4	109,845	1/4	124,849	1/4	139,853
1/2	5,012	1/2	20,035	1/2	35,058	1/2	50,064	1/2	65,088	1/2	80,112	1/2	95,136	1/2	110,157	1/2	125,161	1/2	140,165
3/4	5,324	3/4	20,348	3/4	35,370	3/4	50,377	3/4	65,401	3/4	80,425	3/4	95,449	3/4	110,470	3/4	125,474	3/4	140,478
4	5,637	4	20,661	4	35,683	4	50,690	4	65,714	4	80,738	4	95,762	4	110,783	4	125,787	4	140,791
1/4	5,950	1/4	20,974	1/4	35,996	1/4	51,003	1/4	66,027	1/4	81,051	1/4	96,075	1/4	111,095	1/4	126,099	1/4	141,103
1/2	6,263	1/2	21,287	1/2	36,308	1/2	51,316	1/2	66,340	1/2	81,364	1/2	96,388	1/2	111,408	1/2	126,412	1/2	141,416
3/4	6,576	3/4	21,600	3/4	36,621	3/4	51,629	3/4	66,653	3/4	81,677	3/4	96,701	3/4	111,720	3/4	126,724	3/4	141,728
5	6,889	5	21,913	5	36,933	5	51,942	5	66,966	5	81,990	5	97,014	5	112,033	5	127,037	5	142,041
1/4	7,202	1/4	22,226	1/4	37,246	1/4	52,255	1/4	67,279	1/4	82,303	1/4	97,327	1/4	112,346	1/4	127,350	1/4	142,353
1/2	7,515	1/2	22,539	1/2	37,558	1/2	52,568	1/2	67,592	1/2	82,616	1/2	97,640	1/2	112,658	1/2	127,662	1/2	142,665
3/4	7,828	3/4	22,852	3/4	37,871	3/4	52,881	3/4	67,905	3/4	82,929	3/4	97,953	3/4	112,971	3/4	127,975	3/4	142,978
6	8,141	6	23,165	6	38,183	6	53,194	6	68,218	6	83,242	6	98,266	6	113,283	6	128,287	6	143,290
1/4	8,454	1/4	23,478	1/4	38,496	1/4	53,507	1/4	68,531	1/4	83,555	1/4	98,579	1/4	113,596	1/4	128,600	1/4	143,598
1/2	8,767	1/2	23,791	1/2	38,808	1/2	53,820	1/2	68,844	1/2	83,868	1/2	98,892	1/2	113,909	1/2	128,912	1/2	143,905
3/4	9,080	3/4	24,104	3/4	39,121	3/4	54,133	3/4	69,157	3/4	84,181	3/4	99,205	3/4	114,221	3/4	129,225	3/4	144,213
7	9,393	7	24,417	7	39,433	7	54,446	7	69,470	7	84,494	7	99,518	7	114,534	7	129,538	7	144,521
1/4	9,706	1/4	24,729	1/4	39,746	1/4	54,759	1/4	69,783	1/4	84,807	1/4	99,831	1/4	114,846	1/4	129,850	1/4	144,817
1/2	10,019	1/2	25,042	1/2	40,058	1/2	55,072	1/2	70,096	1/2	85,120	1/2	100,144	1/2	115,159	1/2	130,163	1/2	145,112
3/4	10,332	3/4	25,355	3/4	40,371	3/4	55,385	3/4	70,409	3/4	85,433	3/4	100,457	3/4	115,471	3/4	130,475	3/4	145,408
8	10,645	8	25,668	8	40,683	8	55,698	8	70,722	8	85,746	8	100,770	8	115,784	8	130,788	8	145,703
1/4	10,958	1/4	25,981	1/4	40,996	1/4	56,011	1/4	71,035	1/4	86,059	1/4	101,083	1/4	116,097	1/4	131,101	1/4	145,982
1/2	11,271	1/2	26,294	1/2	41,308	1/2	56,324	1/2	71,348	1/2	86,372	1/2	101,396	1/2	116,409	1/2	131,413	1/2	146,262
3/4	11,584	3/4	26,607	3/4	41,621	3/4	56,637	3/4	71,661	3/4	86,685	3/4	101,709	3/4	116,722	3/4	131,726	3/4	146,541
9	11,897	9	26,920	9	41,933	9	56,950	9	71,974	9	86,998	9	102,022	9	117,034	9	132,038	9	146,821
1/4	12,210	1/4	27,233	1/4	42,246	1/4	57,263	1/4	72,287	1/4	87,311	1/4	102,335	1/4	117,347	1/4	132,351	1/4	147,084
1/2	12,523	1/2	27,546	1/2	42,558	1/2	57,576	1/2	72,600	1/2	87,624	1/2	102,648	1/2	117,660	1/2	132,663	1/2	147,347
3/4	12,836	3/4	27,859	3/4	42,871	3/4	57,889	3/4	72,913	3/4	87,937	3/4	102,961	3/4	117,972	3/4	132,976	3/4	147,611
10	13,149	10	28,172	10	43,183	10	58,202	10	73,226	10	88,250	10	103,274	10	118,285	10	133,289	10	147,874
1/4	13,462	1/4	28,485	1/4	43,496	1/4	58,515	1/4	73,539	1/4	88,563	1/4	103,587	1/4	118,597	1/4	133,601	1/4	148,121
1/2	13,775	1/2	28,798	1/2	43,808	1/2	58,828	1/2	73,852	1/2	88,876	1/2	103,900	1/2	118,910	1/2	133,914	1/2	148,369
3/4	14,088	3/4	29,111	3/4	44,121	3/4	59,141	3/4	74,165	3/4	89,189	3/4	104,213	3/4	119,222	3/4	134,226	3/4	148,616
11	14,401	11	29,424	11	44,433	11	59,454	11	74,478	11	89,502	11	104,526	11	119,535	11	134,539	11	148,864
1/4	14,714	1/4	29,737	1/4	44,746	1/4	59,767	1/4	74,791	1/4	89,815	1/4	104,839	1/4	119,848	1/4	134,852	1/4	149,095
1/2	15,027	1/2	30,050	1/2	45,058	1/2	60,080	1/2	75,104	1/2	90,128	1/2	105,152	1/2	120,160	1/2	135,164	1/2	149,326
3/4	15,340	3/4	30,363	3/4	45,371	3/4	60,393	3/4	75,417	3/4	90,441	3/4	105,465	3/4	120,473	3/4	135,477	3/4	149,557

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

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BARGE "HSM 3002"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 04 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	149,789	0	160,175	0	170,540	0	180,876	0	191,197	0		0		0		0		0	
1/4	150,008	1/4	160,391	1/4	170,755	1/4	181,091	1/4	191,390	1/4		1/4		1/4		1/4		1/4	
1/2	150,228	1/2	160,607	1/2	170,971	1/2	181,306	1/2	191,583	1/2		1/2		1/2		1/2		1/2	
3/4	150,448	3/4	160,824	3/4	171,186	3/4	181,522	3/4	191,776	3/4		3/4		3/4		3/4		3/4	
1	150,667	1	161,040	1	171,401	1	181,737	1	191,970	1		1		1		1		1	
1/4	150,883	1/4	161,256	1/4	171,617	1/4	181,952	1/4	192,129	1/4		1/4		1/4		1/4		1/4	
1/2	151,099	1/2	161,472	1/2	171,832	1/2	182,168	1/2	192,289	1/2		1/2		1/2		1/2		1/2	
3/4	151,316	3/4	161,688	3/4	172,047	3/4	182,383	3/4	192,449	3/4		3/4		3/4		3/4		3/4	
2	151,532	2	161,904	2	172,263	2	182,598	2	192,608	2		2		2		2		2	
1/4	151,748	1/4	162,120	1/4	172,478	1/4	182,814	1/4	192,732	1/4		1/4		1/4		1/4		1/4	
1/2	151,964	1/2	162,336	1/2	172,693	1/2	183,029	1/2	192,856	1/2		1/2		1/2		1/2		1/2	
3/4	152,180	3/4	162,552	3/4	172,909	3/4	183,244	3/4	192,979	3/4		3/4		3/4		3/4		3/4	
3	152,396	3	162,768	3	173,124	3	183,460	3	193,103	3		3		3		3		3	
1/4	152,612	1/4	162,984	1/4	173,339	1/4	183,675	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,828	1/2	163,200	1/2	173,555	1/2	183,890	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,044	3/4	163,417	3/4	173,770	3/4	184,106	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,260	4	163,633	4	173,985	4	184,321	4		4		4		4		4		4	
1/4	153,476	1/4	163,849	1/4	174,201	1/4	184,536	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,693	1/2	164,065	1/2	174,416	1/2	184,752	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,909	3/4	164,281	3/4	174,631	3/4	184,967	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,125	5	164,497	5	174,846	5	185,182	5		5		5		5		5		5	
1/4	154,341	1/4	164,713	1/4	175,062	1/4	185,398	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,557	1/2	164,929	1/2	175,277	1/2	185,613	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,773	3/4	165,145	3/4	175,492	3/4	185,828	3/4		3/4		3/4		3/4		3/4		3/4	
6	154,989	6	165,361	6	175,708	6	186,044	6		6		6		6		6		6	
1/4	155,205	1/4	165,577	1/4	175,923	1/4	186,259	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,421	1/2	165,794	1/2	176,138	1/2	186,474	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,637	3/4	166,010	3/4	176,354	3/4	186,690	3/4		3/4		3/4		3/4		3/4		3/4	
7	155,853	7	166,226	7	176,569	7	186,905	7		7		7		7		7		7	
1/4	156,070	1/4	166,442	1/4	176,784	1/4	187,120	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,286	1/2	166,658	1/2	177,000	1/2	187,336	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,502	3/4	166,874	3/4	177,215	3/4	187,551	3/4		3/4		3/4		3/4		3/4		3/4	
8	156,718	8	167,090	8	177,430	8	187,766	8		8		8		8		8		8	
1/4	156,934	1/4	167,306	1/4	177,646	1/4	187,982	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,150	1/2	167,522	1/2	177,861	1/2	188,197	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,366	3/4	167,738	3/4	178,076	3/4	188,413	3/4		3/4		3/4		3/4		3/4		3/4	
9	157,582	9	167,954	9	178,292	9	188,628	9		9		9		9		9		9	
1/4	157,798	1/4	168,170	1/4	178,507	1/4	188,844	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,014	1/2	168,386	1/2	178,722	1/2	189,059	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,230	3/4	168,602	3/4	178,938	3/4	189,274	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,447	10	168,817	10	179,153	10	189,490	10		10		10		10		10		10	
1/4	158,663	1/4	169,033	1/4	179,368	1/4	189,705	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,879	1/2	169,248	1/2	179,584	1/2	189,920	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,095	3/4	169,463	3/4	179,799	3/4	190,135	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,311	11	169,679	11	180,014	11	190,350	11		11		11		11		11		11	
1/4	159,527	1/4	169,894	1/4	180,230	1/4	190,562	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,743	1/2	170,109	1/2	180,445	1/2	190,773	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,959	3/4	170,325	3/4	180,660	3/4	190,985	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "HSM 3002"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	99	0	254	0	406	0		0		0		0		0		0	
1/4	1	1/4	102	1/4	257	1/4	409	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	105	1/2	260	1/2	411	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	108	3/4	264	3/4	414	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	111	1	267	1	417	1		1		1		1		1		1	
1/4	4	1/4	114	1/4	270	1/4	420	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	117	1/2	274	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	120	3/4	277	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	123	2	280	2	428	2		2		2		2		2		2	
1/4	9	1/4	126	1/4	284	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	130	1/2	287	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	133	3/4	290	3/4	435	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	136	3	294	3	438	3		3		3		3		3		3	
1/4	15	1/4	139	1/4	297	1/4	441	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	142	1/2	300	1/2	443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	145	3/4	303	3/4	445	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	148	4	307	4	448	4		4		4		4		4		4	
1/4	22	1/4	152	1/4	310	1/4	450	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	155	1/2	313	1/2	452	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	158	3/4	317	3/4	455	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	161	5	320	5	457	5		5		5		5		5		5	
1/4	30	1/4	164	1/4	323	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	168	1/2	326	1/2	461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	171	3/4	330	3/4	464	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	174	6	333	6	466	6		6		6		6		6		6	
1/4	39	1/4	177	1/4	336	1/4	468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41	1/2	181	1/2	339	1/2	470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	184	3/4	342	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	187	7	346	7	474	7		7		7		7		7		7	
1/4	48	1/4	190	1/4	349	1/4	475	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	194	1/2	352	1/2	477	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	197	3/4	355	3/4	479	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	200	8	358	8	481	8		8		8		8		8		8	
1/4	58	1/4	204	1/4	361	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	207	1/2	364	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	63	3/4	210	3/4	367	3/4	485	3/4		3/4		3/4		3/4		3/4		3/4	
9	66	9	214	9	370	9	487	9		9		9		9		9		9	
1/4	69	1/4	217	1/4	373	1/4	488	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	71	1/2	220	1/2	376	1/2	489	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	74	3/4	224	3/4	380	3/4	490	3/4		3/4		3/4		3/4		3/4		3/4	
10	77	10	227	10	383	10	491	10		10		10		10		10		10	
1/4	80	1/4	230	1/4	386	1/4	492	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	82	1/2	234	1/2	388	1/2	493	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	85	3/4	237	3/4	391	3/4	493	3/4		3/4		3/4		3/4		3/4		3/4	
11	88	11	240	11	394	11	494	11		11		11		11		11		11	
1/4	91	1/4	244	1/4	397	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	247	1/2	400	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	250	3/4	403	3/4		3/4		3/4		3/4		3/4		3/4		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 EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

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BARGE "HSM 3002"

PORT SLOP TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-05 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	96	0	1,251	0	2,406	0	3,560	0	4,715	0		0		0		0		0	
1/4	120	1/4	1,275	1/4	2,430	1/4	3,584	1/4	4,739	1/4		1/4		1/4		1/4		1/4	
1/2	144	1/2	1,299	1/2	2,454	1/2	3,608	1/2	4,762	1/2		1/2		1/2		1/2		1/2	
3/4	168	3/4	1,323	3/4	2,478	3/4	3,632	3/4	4,786	3/4		3/4		3/4		3/4		3/4	
1	193	1	1,347	1	2,502	1	3,656	1	4,810	1		1		1		1		1	
1/4	217	1/4	1,371	1/4	2,526	1/4	3,680	1/4	4,833	1/4		1/4		1/4		1/4		1/4	
1/2	241	1/2	1,395	1/2	2,550	1/2	3,704	1/2	4,857	1/2		1/2		1/2		1/2		1/2	
3/4	265	3/4	1,419	3/4	2,574	3/4	3,728	3/4	4,881	3/4		3/4		3/4		3/4		3/4	
2	289	2	1,444	2	2,597	2	3,752	2	4,904	2		2		2		2		2	
1/4	313	1/4	1,468	1/4	2,622	1/4	3,776	1/4	4,928	1/4		1/4		1/4		1/4		1/4	
1/2	337	1/2	1,492	1/2	2,646	1/2	3,800	1/2	4,952	1/2		1/2		1/2		1/2		1/2	
3/4	361	3/4	1,516	3/4	2,670	3/4	3,825	3/4	4,975	3/4		3/4		3/4		3/4		3/4	
3	385	3	1,540	3	2,694	3	3,849	3	4,999	3		3		3		3		3	
1/4	409	1/4	1,564	1/4	2,718	1/4	3,873	1/4	5,023	1/4		1/4		1/4		1/4		1/4	
1/2	433	1/2	1,588	1/2	2,742	1/2	3,897	1/2	5,046	1/2		1/2		1/2		1/2		1/2	
3/4	457	3/4	1,612	3/4	2,766	3/4	3,921	3/4	5,070	3/4		3/4		3/4		3/4		3/4	
4	481	4	1,636	4	2,790	4	3,945	4	5,093	4		4		4		4		4	
1/4	505	1/4	1,660	1/4	2,814	1/4	3,969	1/4	5,105	1/4		1/4		1/4		1/4		1/4	
1/2	529	1/2	1,684	1/2	2,838	1/2	3,993	1/2	5,117	1/2		1/2		1/2		1/2		1/2	
3/4	553	3/4	1,708	3/4	2,862	3/4	4,017	3/4	5,128	3/4		3/4		3/4		3/4		3/4	
5	578	5	1,732	5	2,886	5	4,041	5	5,140	5		5		5		5		5	
1/4	602	1/4	1,756	1/4	2,910	1/4	4,065	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	626	1/2	1,780	1/2	2,934	1/2	4,089	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	650	3/4	1,805	3/4	2,958	3/4	4,113	3/4		3/4		3/4		3/4		3/4		3/4	
6	674	6	1,829	6	2,982	6	4,137	6		6		6		6		6		6	
1/4	698	1/4	1,853	1/4	3,006	1/4	4,161	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	722	1/2	1,877	1/2	3,030	1/2	4,185	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	746	3/4	1,901	3/4	3,054	3/4	4,210	3/4		3/4		3/4		3/4		3/4		3/4	
7	770	7	1,925	7	3,079	7	4,234	7		7		7		7		7		7	
1/4	794	1/4	1,949	1/4	3,103	1/4	4,258	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	818	1/2	1,973	1/2	3,127	1/2	4,282	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	842	3/4	1,997	3/4	3,151	3/4	4,306	3/4		3/4		3/4		3/4		3/4		3/4	
8	866	8	2,021	8	3,175	8	4,330	8		8		8		8		8		8	
1/4	890	1/4	2,045	1/4	3,199	1/4	4,354	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	914	1/2	2,069	1/2	3,223	1/2	4,378	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	938	3/4	2,093	3/4	3,247	3/4	4,402	3/4		3/4		3/4		3/4		3/4		3/4	
9	963	9	2,117	9	3,271	9	4,426	9		9		9		9		9		9	
1/4	987	1/4	2,141	1/4	3,295	1/4	4,450	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,011	1/2	2,165	1/2	3,319	1/2	4,474	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,035	3/4	2,190	3/4	3,343	3/4	4,498	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,059	10	2,214	10	3,367	10	4,522	10		10		10		10		10		10	
1/4	1,083	1/4	2,238	1/4	3,391	1/4	4,546	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,107	1/2	2,262	1/2	3,415	1/2	4,570	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,131	3/4	2,286	3/4	3,440	3/4	4,595	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,155	11	2,310	11	3,464	11	4,619	11		11		11		11		11		11	
1/4	1,179	1/4	2,334	1/4	3,488	1/4	4,643	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,203	1/2	2,358	1/2	3,512	1/2	4,667	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,227	3/4	2,382	3/4	3,536	3/4	4,691	3/4		3/4		3/4		3/4		3/4		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 EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

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



BARGE "HSM 3002"

STBD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	96	0	1,251	0	2,406	0	3,560	0	4,715	0		0		0		0		0	
1/4	120	1/4	1,275	1/4	2,430	1/4	3,584	1/4	4,739	1/4		1/4		1/4		1/4		1/4	
1/2	144	1/2	1,299	1/2	2,454	1/2	3,608	1/2	4,762	1/2		1/2		1/2		1/2		1/2	
3/4	168	3/4	1,323	3/4	2,478	3/4	3,632	3/4	4,786	3/4		3/4		3/4		3/4		3/4	
1	193	1	1,347	1	2,502	1	3,656	1	4,810	1		1		1		1		1	
1/4	217	1/4	1,371	1/4	2,526	1/4	3,680	1/4	4,833	1/4		1/4		1/4		1/4		1/4	
1/2	241	1/2	1,395	1/2	2,550	1/2	3,704	1/2	4,857	1/2		1/2		1/2		1/2		1/2	
3/4	265	3/4	1,419	3/4	2,574	3/4	3,728	3/4	4,881	3/4		3/4		3/4		3/4		3/4	
2	289	2	1,444	2	2,597	2	3,752	2	4,904	2		2		2		2		2	
1/4	313	1/4	1,468	1/4	2,622	1/4	3,776	1/4	4,928	1/4		1/4		1/4		1/4		1/4	
1/2	337	1/2	1,492	1/2	2,646	1/2	3,800	1/2	4,952	1/2		1/2		1/2		1/2		1/2	
3/4	361	3/4	1,516	3/4	2,670	3/4	3,825	3/4	4,975	3/4		3/4		3/4		3/4		3/4	
3	385	3	1,540	3	2,694	3	3,849	3	4,999	3		3		3		3		3	
1/4	409	1/4	1,564	1/4	2,718	1/4	3,873	1/4	5,023	1/4		1/4		1/4		1/4		1/4	
1/2	433	1/2	1,588	1/2	2,742	1/2	3,897	1/2	5,046	1/2		1/2		1/2		1/2		1/2	
3/4	457	3/4	1,612	3/4	2,766	3/4	3,921	3/4	5,070	3/4		3/4		3/4		3/4		3/4	
4	481	4	1,636	4	2,790	4	3,945	4	5,093	4		4		4		4		4	
1/4	505	1/4	1,660	1/4	2,814	1/4	3,969	1/4	5,105	1/4		1/4		1/4		1/4		1/4	
1/2	529	1/2	1,684	1/2	2,838	1/2	3,993	1/2	5,117	1/2		1/2		1/2		1/2		1/2	
3/4	553	3/4	1,708	3/4	2,862	3/4	4,017	3/4	5,128	3/4		3/4		3/4		3/4		3/4	
5	578	5	1,732	5	2,886	5	4,041	5	5,140	5		5		5		5		5	
1/4	602	1/4	1,756	1/4	2,910	1/4	4,065	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	626	1/2	1,780	1/2	2,934	1/2	4,089	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	650	3/4	1,805	3/4	2,958	3/4	4,113	3/4		3/4		3/4		3/4		3/4		3/4	
6	674	6	1,829	6	2,982	6	4,137	6		6		6		6		6		6	
1/4	698	1/4	1,853	1/4	3,006	1/4	4,161	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	722	1/2	1,877	1/2	3,030	1/2	4,185	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	746	3/4	1,901	3/4	3,054	3/4	4,210	3/4		3/4		3/4		3/4		3/4		3/4	
7	770	7	1,925	7	3,079	7	4,234	7		7		7		7		7		7	
1/4	794	1/4	1,949	1/4	3,103	1/4	4,258	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	818	1/2	1,973	1/2	3,127	1/2	4,282	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	842	3/4	1,997	3/4	3,151	3/4	4,306	3/4		3/4		3/4		3/4		3/4		3/4	
8	866	8	2,021	8	3,175	8	4,330	8		8		8		8		8		8	
1/4	890	1/4	2,045	1/4	3,199	1/4	4,354	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	914	1/2	2,069	1/2	3,223	1/2	4,378	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	938	3/4	2,093	3/4	3,247	3/4	4,402	3/4		3/4		3/4		3/4		3/4		3/4	
9	963	9	2,117	9	3,271	9	4,426	9		9		9		9		9		9	
1/4	987	1/4	2,141	1/4	3,295	1/4	4,450	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,011	1/2	2,165	1/2	3,319	1/2	4,474	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,035	3/4	2,190	3/4	3,343	3/4	4,498	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,059	10	2,214	10	3,367	10	4,522	10		10		10		10		10		10	
1/4	1,083	1/4	2,238	1/4	3,391	1/4	4,546	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,107	1/2	2,262	1/2	3,415	1/2	4,570	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,131	3/4	2,286	3/4	3,440	3/4	4,595	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,155	11	2,310	11	3,464	11	4,619	11		11		11		11		11		11	
1/4	1,179	1/4	2,334	1/4	3,488	1/4	4,643	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,203	1/2	2,358	1/2	3,512	1/2	4,667	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,227	3/4	2,382	3/4	3,536	3/4	4,691	3/4		3/4		3/4		3/4		3/4		3/4	

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