



BARGE "HSM 3035"

INNAGE TRIM TABLE 8" GAUGE HATCH

	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	00-1/8	- 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
1 STBD	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
2 PORT	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
2 STBD	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
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8

(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 - 00-1/4"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

January 16, 2020

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

<http://www.pmacorp.net>



BARGE "HSM 3035"

INNAGE TRIM TABLE "MMC" GAUGE

	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	00-1/8	- 00-1/8	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	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	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
3 STBD	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

(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"

January 16, 2020

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BARGE "HSM 3035"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	386	0	13,267	0	28,212	0	43,252	0	58,231	0	73,230	0	88,271	0	103,312	0	118,349	0	133,383
1/4	563	1/4	13,569	1/4	28,525	1/4	43,566	1/4	58,542	1/4	73,543	1/4	88,584	1/4	103,625	1/4	118,662	1/4	133,696
1/2	740	1/2	13,871	1/2	28,838	1/2	43,879	1/2	58,853	1/2	73,856	1/2	88,898	1/2	103,939	1/2	118,975	1/2	134,010
3/4	917	3/4	14,173	3/4	29,152	3/4	44,192	3/4	59,164	3/4	74,170	3/4	89,211	3/4	104,252	3/4	119,288	3/4	134,323
1	1,094	1	14,475	1	29,465	1	44,506	1	59,475	1	74,483	1	89,524	1	104,565	1	119,601	1	134,636
1/4	1,333	1/4	14,780	1/4	29,778	1/4	44,819	1/4	59,786	1/4	74,797	1/4	89,838	1/4	104,879	1/4	119,915	1/4	134,949
1/2	1,572	1/2	15,086	1/2	30,092	1/2	45,132	1/2	60,097	1/2	75,110	1/2	90,151	1/2	105,192	1/2	120,228	1/2	135,263
3/4	1,811	3/4	15,391	3/4	30,405	3/4	45,446	3/4	60,408	3/4	75,423	3/4	90,464	3/4	105,506	3/4	120,541	3/4	135,576
2	2,050	2	15,697	2	30,718	2	45,759	2	60,719	2	75,737	2	90,778	2	105,819	2	120,854	2	135,889
1/4	2,312	1/4	16,007	1/4	31,032	1/4	46,073	1/4	61,030	1/4	76,050	1/4	91,091	1/4	106,132	1/4	121,168	1/4	136,202
1/2	2,575	1/2	16,316	1/2	31,345	1/2	46,386	1/2	61,341	1/2	76,363	1/2	91,404	1/2	106,446	1/2	121,481	1/2	136,515
3/4	2,837	3/4	16,626	3/4	31,659	3/4	46,699	3/4	61,652	3/4	76,677	3/4	91,718	3/4	106,759	3/4	121,794	3/4	136,829
3	3,099	3	16,935	3	31,972	3	47,013	3	61,963	3	76,990	3	92,031	3	107,072	3	122,107	3	137,142
1/4	3,366	1/4	17,247	1/4	32,285	1/4	47,326	1/4	62,275	1/4	77,303	1/4	92,345	1/4	107,386	1/4	122,420	1/4	137,455
1/2	3,633	1/2	17,560	1/2	32,599	1/2	47,639	1/2	62,586	1/2	77,617	1/2	92,658	1/2	107,699	1/2	122,734	1/2	137,768
3/4	3,899	3/4	17,872	3/4	32,912	3/4	47,953	3/4	62,897	3/4	77,930	3/4	92,971	3/4	108,012	3/4	123,047	3/4	138,082
4	4,166	4	18,185	4	33,225	4	48,266	4	63,208	4	78,243	4	93,285	4	108,325	4	123,360	4	138,395
1/4	4,437	1/4	18,498	1/4	33,539	1/4	48,579	1/4	63,520	1/4	78,557	1/4	93,598	1/4	108,639	1/4	123,673	1/4	138,708
1/2	4,708	1/2	18,811	1/2	33,852	1/2	48,891	1/2	63,832	1/2	78,870	1/2	93,911	1/2	108,952	1/2	123,987	1/2	139,021
3/4	4,979	3/4	19,125	3/4	34,165	3/4	49,204	3/4	64,144	3/4	79,144	3/4	94,225	3/4	109,265	3/4	124,300	3/4	139,334
5	5,250	5	19,438	5	34,479	5	49,516	5	64,456	5	79,497	5	94,538	5	109,578	5	124,613	5	139,648
1/4	5,525	1/4	19,751	1/4	34,792	1/4	49,828	1/4	64,770	1/4	79,810	1/4	94,851	1/4	109,892	1/4	124,926	1/4	139,961
1/2	5,799	1/2	20,065	1/2	35,105	1/2	50,140	1/2	65,083	1/2	80,124	1/2	95,165	1/2	110,205	1/2	125,239	1/2	140,274
3/4	6,074	3/4	20,378	3/4	35,419	3/4	50,452	3/4	65,396	3/4	80,437	3/4	95,478	3/4	110,518	3/4	125,553	3/4	140,587
6	6,349	6	20,691	6	35,732	6	50,764	6	65,709	6	80,750	6	95,791	6	110,831	6	125,866	6	140,901
1/4	6,627	1/4	21,005	1/4	36,045	1/4	51,076	1/4	66,023	1/4	81,064	1/4	96,105	1/4	111,144	1/4	126,179	1/4	141,214
1/2	6,906	1/2	21,318	1/2	36,359	1/2	51,387	1/2	66,336	1/2	81,377	1/2	96,418	1/2	111,458	1/2	126,492	1/2	141,527
3/4	7,185	3/4	21,631	3/4	36,672	3/4	51,699	3/4	66,649	3/4	81,690	3/4	96,732	3/4	111,771	3/4	126,806	3/4	141,840
7	7,463	7	21,945	7	36,985	7	52,011	7	66,963	7	82,004	7	97,045	7	112,084	7	127,119	7	142,153
1/4	7,746	1/4	22,258	1/4	37,299	1/4	52,322	1/4	67,276	1/4	82,317	1/4	97,358	1/4	112,397	1/4	127,432	1/4	142,467
1/2	8,028	1/2	22,571	1/2	37,612	1/2	52,633	1/2	67,589	1/2	82,630	1/2	97,672	1/2	112,711	1/2	127,745	1/2	142,780
3/4	8,311	3/4	22,885	3/4	37,925	3/4	52,944	3/4	67,903	3/4	82,944	3/4	97,985	3/4	113,024	3/4	128,058	3/4	143,093
8	8,593	8	23,198	8	38,239	8	53,256	8	68,216	8	83,257	8	98,298	8	113,337	8	128,372	8	143,406
1/4	8,880	1/4	23,511	1/4	38,552	1/4	53,567	1/4	68,529	1/4	83,571	1/4	98,612	1/4	113,650	1/4	128,685	1/4	143,720
1/2	9,166	1/2	23,825	1/2	38,866	1/2	53,878	1/2	68,843	1/2	83,884	1/2	98,925	1/2	113,963	1/2	128,998	1/2	144,033
3/4	9,452	3/4	24,138	3/4	39,179	3/4	54,189	3/4	69,156	3/4	84,197	3/4	99,238	3/4	114,277	3/4	129,311	3/4	144,346
9	9,739	9	24,452	9	39,492	9	54,500	9	69,469	9	84,511	9	99,552	9	114,590	9	129,625	9	144,659
1/4	10,029	1/4	24,765	1/4	39,806	1/4	54,811	1/4	69,783	1/4	84,824	1/4	99,865	1/4	114,903	1/4	129,938	1/4	144,972
1/2	10,319	1/2	25,078	1/2	40,119	1/2	55,122	1/2	70,096	1/2	85,137	1/2	100,178	1/2	115,216	1/2	130,251	1/2	145,286
3/4	10,609	3/4	25,392	3/4	40,432	3/4	55,433	3/4	70,410	3/4	85,451	3/4	100,492	3/4	115,530	3/4	130,564	3/4	145,599
10	10,900	10	25,705	10	40,746	10	55,744	10	70,723	10	85,764	10	100,805	10	115,843	10	130,877	10	145,912
1/4	11,194	1/4	26,018	1/4	41,059	1/4	56,054	1/4	71,036	1/4	86,077	1/4	101,119	1/4	116,156	1/4	131,191	1/4	146,225
1/2	11,488	1/2	26,332	1/2	41,372	1/2	56,365	1/2	71,350	1/2	86,391	1/2	101,432	1/2	116,469	1/2	131,504	1/2	146,539
3/4	11,782	3/4	26,645	3/4	41,686	3/4	56,676	3/4	71,663	3/4	86,704	3/4	101,745	3/4	116,782	3/4	131,817	3/4	146,852
11	12,076	11	26,958	11	41,999	11	56,987	11	71,976	11	87,017	11	102,059	11	117,096	11	132,130	11	147,165
1/4	12,374	1/4	27,272	1/4	42,312	1/4	57,298	1/4	72,290	1/4	87,331	1/4	102,372	1/4	117,409	1/4	132,444	1/4	147,478
1/2	12,672	1/2	27,585	1/2	42,626	1/2	57,609	1/2	72,603	1/2	87,644	1/2	102,685	1/2	117,722	1/2	132,757	1/2	147,791
3/4	12,970	3/4	27,898	3/4	42,939	3/4	57,920	3/4	72,916	3/4	87,958	3/4	102,999	3/4	118,035	3/4	133,070	3/4	148,105

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 THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "HSM 3035"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	148,418	0	163,452	0	178,478	0	193,469	0	208,387	0		0		0		0		0	
1/4	148,731	1/4	163,766	1/4	178,790	1/4	193,781	1/4	208,667	1/4		1/4		1/4		1/4		1/4	
1/2	149,044	1/2	164,079	1/2	179,103	1/2	194,093	1/2	208,948	1/2		1/2		1/2		1/2		1/2	
3/4	149,357	3/4	164,392	3/4	179,415	3/4	194,406	3/4	209,228	3/4		3/4		3/4		3/4		3/4	
1	149,671	1	164,705	1	179,727	1	194,718	1	209,509	1		1		1		1		1	
1/4	149,984	1/4	165,019	1/4	180,039	1/4	195,030	1/4	209,741	1/4		1/4		1/4		1/4		1/4	
1/2	150,297	1/2	165,332	1/2	180,352	1/2	195,343	1/2	209,973	1/2		1/2		1/2		1/2		1/2	
3/4	150,610	3/4	165,645	3/4	180,664	3/4	195,655	3/4	210,205	3/4		3/4		3/4		3/4		3/4	
2	150,924	2	165,958	2	180,976	2	195,967	2	210,437	2		2		2		2		2	
1/4	151,237	1/4	166,271	1/4	181,289	1/4	196,280	1/4	210,616	1/4		1/4		1/4		1/4		1/4	
1/2	151,550	1/2	166,585	1/2	181,601	1/2	196,592	1/2	210,796	1/2		1/2		1/2		1/2		1/2	
3/4	151,863	3/4	166,898	3/4	181,913	3/4	196,904	3/4	210,976	3/4		3/4		3/4		3/4		3/4	
3	152,176	3	167,211	3	182,226	3	197,216	3	211,155	3		3		3		3		3	
1/4	152,490	1/4	167,524	1/4	182,538	1/4	197,529	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,803	1/2	167,838	1/2	182,850	1/2	197,841	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,116	3/4	168,151	3/4	183,163	3/4	198,153	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,429	4	168,464	4	183,475	4	198,466	4		4		4		4		4		4	
1/4	153,743	1/4	168,777	1/4	183,787	1/4	198,778	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,056	1/2	169,090	1/2	184,099	1/2	199,090	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,369	3/4	169,404	3/4	184,412	3/4	199,403	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,682	5	169,717	5	184,724	5	199,715	5		5		5		5		5		5	
1/4	154,995	1/4	170,030	1/4	185,036	1/4	200,026	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,309	1/2	170,343	1/2	185,349	1/2	200,337	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,622	3/4	170,657	3/4	185,661	3/4	200,649	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,935	6	170,970	6	185,973	6	200,960	6		6		6		6		6		6	
1/4	156,248	1/4	171,283	1/4	186,286	1/4	201,270	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,562	1/2	171,596	1/2	186,598	1/2	201,580	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,875	3/4	171,909	3/4	186,910	3/4	201,890	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,188	7	172,223	7	187,223	7	202,200	7		7		7		7		7		7	
1/4	157,501	1/4	172,536	1/4	187,535	1/4	202,511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,814	1/2	172,849	1/2	187,847	1/2	202,821	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,128	3/4	173,162	3/4	188,159	3/4	203,131	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,441	8	173,476	8	188,472	8	203,441	8		8		8		8		8		8	
1/4	158,754	1/4	173,789	1/4	188,784	1/4	203,752	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,067	1/2	174,102	1/2	189,096	1/2	204,062	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,381	3/4	174,415	3/4	189,409	3/4	204,372	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,694	9	174,728	9	189,721	9	204,683	9		9		9		9		9		9	
1/4	160,007	1/4	175,041	1/4	190,033	1/4	204,993	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,320	1/2	175,354	1/2	190,346	1/2	205,303	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,633	3/4	175,667	3/4	190,658	3/4	205,613	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,947	10	175,979	10	190,970	10	205,923	10		10		10		10		10		10	
1/4	161,260	1/4	176,292	1/4	191,283	1/4	206,233	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,573	1/2	176,604	1/2	191,595	1/2	206,543	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,886	3/4	176,916	3/4	191,907	3/4	206,853	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,200	11	177,229	11	192,220	11	207,163	11		11		11		11		11		11	
1/4	162,513	1/4	177,541	1/4	192,532	1/4	207,469	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,826	1/2	177,853	1/2	192,844	1/2	207,775	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,139	3/4	178,166	3/4	193,156	3/4	208,081	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/15/2020 CL
CALCULATED: 01/15/2020 CL
PRINTED: 01/16/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "HSM 3035"

1 STBD 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	386	0	13,266	0	28,208	0	43,246	0	58,281	0	73,317	0	88,356	0	103,395	0	118,429	0	133,462
1/4	563	1/4	13,567	1/4	28,521	1/4	43,560	1/4	58,594	1/4	73,630	1/4	88,669	1/4	103,708	1/4	118,742	1/4	133,775
1/2	740	1/2	13,869	1/2	28,834	1/2	43,873	1/2	58,907	1/2	73,943	1/2	88,982	1/2	104,021	1/2	119,056	1/2	134,088
3/4	917	3/4	14,171	3/4	29,148	3/4	44,186	3/4	59,220	3/4	74,257	3/4	89,296	3/4	104,335	3/4	119,369	3/4	134,401
1	1,094	1	14,473	1	29,461	1	44,500	1	59,533	1	74,570	1	89,609	1	104,648	1	119,682	1	134,714
1/4	1,333	1/4	14,778	1/4	29,774	1/4	44,813	1/4	59,846	1/4	74,883	1/4	89,922	1/4	104,961	1/4	119,995	1/4	135,028
1/2	1,572	1/2	15,084	1/2	30,088	1/2	45,126	1/2	60,159	1/2	75,197	1/2	90,236	1/2	105,275	1/2	120,308	1/2	135,341
3/4	1,811	3/4	15,389	3/4	30,401	3/4	45,439	3/4	60,472	3/4	75,510	3/4	90,549	3/4	105,588	3/4	120,621	3/4	135,654
2	2,050	2	15,695	2	30,714	2	45,753	2	60,785	2	75,823	2	90,862	2	105,901	2	120,935	2	135,967
1/4	2,312	1/4	16,004	1/4	31,028	1/4	46,066	1/4	61,098	1/4	76,137	1/4	91,176	1/4	106,215	1/4	121,248	1/4	136,280
1/2	2,574	1/2	16,314	1/2	31,341	1/2	46,379	1/2	61,411	1/2	76,450	1/2	91,489	1/2	106,528	1/2	121,561	1/2	136,593
3/4	2,836	3/4	16,623	3/4	31,654	3/4	46,693	3/4	61,725	3/4	76,763	3/4	91,802	3/4	106,841	3/4	121,874	3/4	136,907
3	3,099	3	16,933	3	31,967	3	47,006	3	62,038	3	77,077	3	92,116	3	107,155	3	122,187	3	137,220
1/4	3,365	1/4	17,245	1/4	32,281	1/4	47,319	1/4	62,351	1/4	77,390	1/4	92,429	1/4	107,468	1/4	122,501	1/4	137,533
1/2	3,632	1/2	17,557	1/2	32,594	1/2	47,633	1/2	62,664	1/2	77,703	1/2	92,742	1/2	107,781	1/2	122,814	1/2	137,846
3/4	3,899	3/4	17,870	3/4	32,907	3/4	47,946	3/4	62,978	3/4	78,016	3/4	93,055	3/4	108,094	3/4	123,127	3/4	138,159
4	4,166	4	18,182	4	33,221	4	48,259	4	63,291	4	78,330	4	93,369	4	108,408	4	123,440	4	138,473
1/4	4,437	1/4	18,495	1/4	33,534	1/4	48,573	1/4	63,604	1/4	78,643	1/4	93,682	1/4	108,721	1/4	123,753	1/4	138,786
1/2	4,707	1/2	18,809	1/2	33,847	1/2	48,886	1/2	63,917	1/2	78,956	1/2	93,995	1/2	109,034	1/2	124,066	1/2	139,099
3/4	4,978	3/4	19,122	3/4	34,161	3/4	49,199	3/4	64,231	3/4	79,270	3/4	94,309	3/4	109,347	3/4	124,380	3/4	139,412
5	5,249	5	19,435	5	34,474	5	49,512	5	64,544	5	79,583	5	94,622	5	109,660	5	124,693	5	139,725
1/4	5,524	1/4	19,749	1/4	34,787	1/4	49,826	1/4	64,857	1/4	79,896	1/4	94,935	1/4	109,973	1/4	125,006	1/4	140,038
1/2	5,799	1/2	20,062	1/2	35,100	1/2	50,139	1/2	65,171	1/2	80,210	1/2	95,249	1/2	110,287	1/2	125,319	1/2	140,352
3/4	6,073	3/4	20,375	3/4	35,414	3/4	50,452	3/4	65,484	3/4	80,523	3/4	95,562	3/4	110,600	3/4	125,632	3/4	140,665
6	6,348	6	20,689	6	35,727	6	50,766	6	65,797	6	80,836	6	95,875	6	110,913	6	125,945	6	140,978
1/4	6,627	1/4	21,002	1/4	36,040	1/4	51,079	1/4	66,111	1/4	81,150	1/4	96,189	1/4	111,226	1/4	126,259	1/4	141,291
1/2	6,905	1/2	21,315	1/2	36,354	1/2	51,392	1/2	66,424	1/2	81,463	1/2	96,502	1/2	111,539	1/2	126,572	1/2	141,604
3/4	7,184	3/4	21,628	3/4	36,667	3/4	51,705	3/4	66,737	3/4	81,776	3/4	96,815	3/4	111,852	3/4	126,885	3/4	141,918
7	7,462	7	21,942	7	36,980	7	52,019	7	67,051	7	82,090	7	97,129	7	112,166	7	127,198	7	142,231
1/4	7,745	1/4	22,255	1/4	37,294	1/4	52,332	1/4	67,364	1/4	82,403	1/4	97,442	1/4	112,479	1/4	127,511	1/4	142,544
1/2	8,027	1/2	22,568	1/2	37,607	1/2	52,645	1/2	67,677	1/2	82,716	1/2	97,755	1/2	112,792	1/2	127,825	1/2	142,857
3/4	8,310	3/4	22,882	3/4	37,920	3/4	52,958	3/4	67,990	3/4	83,029	3/4	98,068	3/4	113,105	3/4	128,138	3/4	143,170
8	8,592	8	23,195	8	38,234	8	53,271	8	68,304	8	83,343	8	98,382	8	113,418	8	128,451	8	143,484
1/4	8,879	1/4	23,508	1/4	38,547	1/4	53,584	1/4	68,617	1/4	83,656	1/4	98,695	1/4	113,732	1/4	128,764	1/4	143,797
1/2	9,165	1/2	23,822	1/2	38,860	1/2	53,897	1/2	68,930	1/2	83,969	1/2	99,008	1/2	114,045	1/2	129,077	1/2	144,110
3/4	9,451	3/4	24,135	3/4	39,173	3/4	54,210	3/4	69,244	3/4	84,283	3/4	99,322	3/4	114,358	3/4	129,390	3/4	144,423
9	9,737	9	24,448	9	39,487	9	54,524	9	69,557	9	84,596	9	99,635	9	114,671	9	129,704	9	144,736
1/4	10,028	1/4	24,761	1/4	39,800	1/4	54,837	1/4	69,870	1/4	84,909	1/4	99,948	1/4	114,984	1/4	130,017	1/4	145,049
1/2	10,318	1/2	25,075	1/2	40,113	1/2	55,150	1/2	70,184	1/2	85,223	1/2	100,262	1/2	115,297	1/2	130,330	1/2	145,363
3/4	10,608	3/4	25,388	3/4	40,427	3/4	55,463	3/4	70,497	3/4	85,536	3/4	100,575	3/4	115,611	3/4	130,643	3/4	145,676
10	10,898	10	25,701	10	40,740	10	55,776	10	70,810	10	85,849	10	100,888	10	115,924	10	130,956	10	145,989
1/4	11,192	1/4	26,015	1/4	41,053	1/4	56,089	1/4	71,124	1/4	86,163	1/4	101,202	1/4	116,237	1/4	131,269	1/4	146,302
1/2	11,486	1/2	26,328	1/2	41,367	1/2	56,402	1/2	71,437	1/2	86,476	1/2	101,515	1/2	116,550	1/2	131,583	1/2	146,615
3/4	11,780	3/4	26,641	3/4	41,680	3/4	56,715	3/4	71,750	3/4	86,789	3/4	101,828	3/4	116,863	3/4	131,896	3/4	146,929
11	12,074	11	26,955	11	41,993	11	57,028	11	72,064	11	87,103	11	102,142	11	117,177	11	132,209	11	147,242
1/4	12,372	1/4	27,268	1/4	42,306	1/4	57,341	1/4	72,377	1/4	87,416	1/4	102,455	1/4	117,490	1/4	132,522	1/4	147,555
1/2	12,670	1/2	27,581	1/2	42,620	1/2	57,654	1/2	72,690	1/2	87,729	1/2	102,768	1/2	117,803	1/2	132,835	1/2	147,868
3/4	12,968	3/4	27,895	3/4	42,933	3/4	57,967	3/4	73,003	3/4	88,042	3/4	103,082	3/4	118,116	3/4	133,149	3/4	148,181

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 THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3035"

1 STBD 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	148,494	0	163,527	0	178,551	0	193,540	0	208,456	0		0		0		0		0	
1/4	148,808	1/4	163,840	1/4	178,863	1/4	193,852	1/4	208,737	1/4		1/4		1/4		1/4		1/4	
1/2	149,121	1/2	164,154	1/2	179,175	1/2	194,164	1/2	209,017	1/2		1/2		1/2		1/2		1/2	
3/4	149,434	3/4	164,467	3/4	179,488	3/4	194,477	3/4	209,297	3/4		3/4		3/4		3/4		3/4	
1	149,747	1	164,780	1	179,800	1	194,789	1	209,578	1		1		1		1		1	
1/4	150,060	1/4	165,093	1/4	180,112	1/4	195,101	1/4	209,810	1/4		1/4		1/4		1/4		1/4	
1/2	150,374	1/2	165,406	1/2	180,424	1/2	195,413	1/2	210,042	1/2		1/2		1/2		1/2		1/2	
3/4	150,687	3/4	165,719	3/4	180,737	3/4	195,726	3/4	210,273	3/4		3/4		3/4		3/4		3/4	
2	151,000	2	166,033	2	181,049	2	196,038	2	210,505	2		2		2		2		2	
1/4	151,313	1/4	166,346	1/4	181,361	1/4	196,350	1/4	210,685	1/4		1/4		1/4		1/4		1/4	
1/2	151,626	1/2	166,659	1/2	181,673	1/2	196,662	1/2	210,865	1/2		1/2		1/2		1/2		1/2	
3/4	151,939	3/4	166,972	3/4	181,986	3/4	196,975	3/4	211,045	3/4		3/4		3/4		3/4		3/4	
3	152,253	3	167,285	3	182,298	3	197,287	3	211,224	3		3		3		3		3	
1/4	152,566	1/4	167,599	1/4	182,610	1/4	197,599	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,879	1/2	167,912	1/2	182,923	1/2	197,911	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,192	3/4	168,225	3/4	183,235	3/4	198,224	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,505	4	168,538	4	183,547	4	198,536	4		4		4		4		4		4	
1/4	153,819	1/4	168,851	1/4	183,859	1/4	198,848	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,132	1/2	169,164	1/2	184,172	1/2	199,161	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,445	3/4	169,478	3/4	184,484	3/4	199,473	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,758	5	169,791	5	184,796	5	199,785	5		5		5		5		5		5	
1/4	155,071	1/4	170,104	1/4	185,108	1/4	200,096	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,384	1/2	170,417	1/2	185,421	1/2	200,407	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,698	3/4	170,730	3/4	185,733	3/4	200,719	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,011	6	171,044	6	186,045	6	201,030	6		6		6		6		6		6	
1/4	156,324	1/4	171,357	1/4	186,358	1/4	201,340	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,637	1/2	171,670	1/2	186,670	1/2	201,650	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,950	3/4	171,983	3/4	186,982	3/4	201,960	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,264	7	172,296	7	187,294	7	202,270	7		7		7		7		7		7	
1/4	157,577	1/4	172,609	1/4	187,607	1/4	202,581	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,890	1/2	172,923	1/2	187,919	1/2	202,891	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,203	3/4	173,236	3/4	188,231	3/4	203,201	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,516	8	173,549	8	188,543	8	203,511	8		8		8		8		8		8	
1/4	158,829	1/4	173,862	1/4	188,856	1/4	203,821	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,143	1/2	174,175	1/2	189,168	1/2	204,132	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,456	3/4	174,489	3/4	189,480	3/4	204,442	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,769	9	174,802	9	189,792	9	204,752	9		9		9		9		9		9	
1/4	160,082	1/4	175,114	1/4	190,105	1/4	205,062	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,395	1/2	175,427	1/2	190,417	1/2	205,373	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,709	3/4	175,740	3/4	190,729	3/4	205,683	3/4		3/4		3/4		3/4		3/4		3/4	
10	161,022	10	176,053	10	191,042	10	205,993	10		10		10		10		10		10	
1/4	161,335	1/4	176,365	1/4	191,354	1/4	206,303	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,648	1/2	176,677	1/2	191,666	1/2	206,612	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,961	3/4	176,989	3/4	191,978	3/4	206,922	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,274	11	177,302	11	192,291	11	207,232	11		11		11		11		11		11	
1/4	162,588	1/4	177,614	1/4	192,603	1/4	207,538	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,901	1/2	177,926	1/2	192,915	1/2	207,844	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,214	3/4	178,239	3/4	193,227	3/4	208,150	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/15/2020 CL
CALCULATED: 01/15/2020 CL
PRINTED: 01/16/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

PRECISION MEASUREMENT
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BARGE "HSM 3035"

2 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	1,032	0	15,709	0	30,783	0	45,487	0	59,984	0	74,850	0	89,927	0	105,005	0	120,077	0	135,147
1/4	1,268	1/4	16,023	1/4	31,098	1/4	45,788	1/4	60,287	1/4	75,164	1/4	90,242	1/4	105,319	1/4	120,391	1/4	135,461
1/2	1,503	1/2	16,337	1/2	31,412	1/2	46,090	1/2	60,589	1/2	75,478	1/2	90,556	1/2	105,633	1/2	120,705	1/2	135,775
3/4	1,739	3/4	16,651	3/4	31,726	3/4	46,391	3/4	60,891	3/4	75,792	3/4	90,870	3/4	105,947	3/4	121,019	3/4	136,089
1	1,975	1	16,965	1	32,040	1	46,692	1	61,194	1	76,106	1	91,184	1	106,262	1	121,333	1	136,403
1/4	2,268	1/4	17,279	1/4	32,354	1/4	46,994	1/4	61,496	1/4	76,420	1/4	91,498	1/4	106,576	1/4	121,647	1/4	136,717
1/2	2,562	1/2	17,593	1/2	32,668	1/2	47,295	1/2	61,798	1/2	76,735	1/2	91,812	1/2	106,890	1/2	121,961	1/2	137,031
3/4	2,856	3/4	17,907	3/4	32,982	3/4	47,597	3/4	62,101	3/4	77,049	3/4	92,126	3/4	107,204	3/4	122,275	3/4	137,345
2	3,149	2	18,221	2	33,296	2	47,898	2	62,403	2	77,363	2	92,440	2	107,518	2	122,589	2	137,659
1/4	3,462	1/4	18,536	1/4	33,610	1/4	48,200	1/4	62,705	1/4	77,677	1/4	92,755	1/4	107,832	1/4	122,903	1/4	137,973
1/2	3,776	1/2	18,850	1/2	33,924	1/2	48,501	1/2	63,008	1/2	77,991	1/2	93,069	1/2	108,146	1/2	123,217	1/2	138,287
3/4	4,089	3/4	19,164	3/4	34,239	3/4	48,803	3/4	63,310	3/4	78,305	3/4	93,383	3/4	108,460	3/4	123,531	3/4	138,601
3	4,402	3	19,478	3	34,553	3	49,104	3	63,612	3	78,619	3	93,697	3	108,775	3	123,845	3	138,915
1/4	4,716	1/4	19,792	1/4	34,867	1/4	49,406	1/4	63,915	1/4	78,933	1/4	94,011	1/4	109,089	1/4	124,159	1/4	139,229
1/2	5,030	1/2	20,106	1/2	35,181	1/2	49,707	1/2	64,217	1/2	79,248	1/2	94,325	1/2	109,403	1/2	124,473	1/2	139,543
3/4	5,343	3/4	20,420	3/4	35,495	3/4	50,009	3/4	64,519	3/4	79,562	3/4	94,639	3/4	109,717	3/4	124,787	3/4	139,857
4	5,657	4	20,734	4	35,809	4	50,311	4	64,822	4	79,876	4	94,953	4	110,031	4	125,101	4	140,171
1/4	5,971	1/4	21,048	1/4	36,117	1/4	50,613	1/4	65,130	1/4	80,190	1/4	95,267	1/4	110,345	1/4	125,415	1/4	140,485
1/2	6,285	1/2	21,362	1/2	36,426	1/2	50,915	1/2	65,438	1/2	80,504	1/2	95,582	1/2	110,659	1/2	125,729	1/2	140,799
3/4	6,599	3/4	21,677	3/4	36,734	3/4	51,217	3/4	65,746	3/4	80,818	3/4	95,896	3/4	110,973	3/4	126,043	3/4	141,113
5	6,914	5	21,991	5	37,042	5	51,519	5	66,055	5	81,132	5	96,210	5	111,287	5	126,357	5	141,427
1/4	7,228	1/4	22,305	1/4	37,344	1/4	51,821	1/4	66,369	1/4	81,446	1/4	96,524	1/4	111,600	1/4	126,671	1/4	141,741
1/2	7,542	1/2	22,619	1/2	37,647	1/2	52,123	1/2	66,683	1/2	81,760	1/2	96,838	1/2	111,914	1/2	126,984	1/2	142,055
3/4	7,856	3/4	22,933	3/4	37,949	3/4	52,426	3/4	66,997	3/4	82,075	3/4	97,152	3/4	112,228	3/4	127,298	3/4	142,368
6	8,170	6	23,247	6	38,251	6	52,728	6	67,311	6	82,389	6	97,466	6	112,542	6	127,612	6	142,682
1/4	8,484	1/4	23,561	1/4	38,553	1/4	53,030	1/4	67,625	1/4	82,703	1/4	97,780	1/4	112,856	1/4	127,926	1/4	142,996
1/2	8,798	1/2	23,875	1/2	38,855	1/2	53,333	1/2	67,939	1/2	83,017	1/2	98,095	1/2	113,170	1/2	128,240	1/2	143,310
3/4	9,112	3/4	24,189	3/4	39,157	3/4	53,635	3/4	68,253	3/4	83,331	3/4	98,409	3/4	113,484	3/4	128,554	3/4	143,624
7	9,426	7	24,504	7	39,459	7	53,937	7	68,568	7	83,645	7	98,723	7	113,798	7	128,868	7	143,938
1/4	9,741	1/4	24,818	1/4	39,760	1/4	54,240	1/4	68,882	1/4	83,959	1/4	99,037	1/4	114,112	1/4	129,182	1/4	144,252
1/2	10,055	1/2	25,132	1/2	40,062	1/2	54,542	1/2	69,196	1/2	84,273	1/2	99,351	1/2	114,426	1/2	129,496	1/2	144,566
3/4	10,369	3/4	25,446	3/4	40,363	3/4	54,844	3/4	69,510	3/4	84,587	3/4	99,665	3/4	114,740	3/4	129,810	3/4	144,880
8	10,683	8	25,760	8	40,664	8	55,147	8	69,824	8	84,902	8	99,979	8	115,054	8	130,124	8	145,194
1/4	10,997	1/4	26,074	1/4	40,966	1/4	55,449	1/4	70,138	1/4	85,216	1/4	100,293	1/4	115,368	1/4	130,438	1/4	145,508
1/2	11,311	1/2	26,388	1/2	41,267	1/2	55,751	1/2	70,452	1/2	85,530	1/2	100,607	1/2	115,682	1/2	130,752	1/2	145,822
3/4	11,625	3/4	26,702	3/4	41,569	3/4	56,054	3/4	70,766	3/4	85,844	3/4	100,922	3/4	115,996	3/4	131,066	3/4	146,136
9	11,939	9	27,016	9	41,870	9	56,356	9	71,080	9	86,158	9	101,236	9	116,310	9	131,380	9	146,450
1/4	12,253	1/4	27,330	1/4	42,171	1/4	56,658	1/4	71,395	1/4	86,472	1/4	101,550	1/4	116,624	1/4	131,694	1/4	146,764
1/2	12,567	1/2	27,644	1/2	42,473	1/2	56,961	1/2	71,709	1/2	86,786	1/2	101,864	1/2	116,938	1/2	132,008	1/2	147,078
3/4	12,882	3/4	27,958	3/4	42,774	3/4	57,263	3/4	72,023	3/4	87,100	3/4	102,178	3/4	117,252	3/4	132,322	3/4	147,392
10	13,196	10	28,272	10	43,076	10	57,565	10	72,337	10	87,415	10	102,492	10	117,566	10	132,636	10	147,706
1/4	13,510	1/4	28,586	1/4	43,377	1/4	57,868	1/4	72,651	1/4	87,729	1/4	102,806	1/4	117,880	1/4	132,950	1/4	148,020
1/2	13,824	1/2	28,899	1/2	43,678	1/2	58,170	1/2	72,965	1/2	88,043	1/2	103,120	1/2	118,194	1/2	133,264	1/2	148,334
3/4	14,138	3/4	29,213	3/4	43,980	3/4	58,473	3/4	73,279	3/4	88,357	3/4	103,435	3/4	118,508	3/4	133,578	3/4	148,648
11	14,452	11	29,527	11	44,281	11	58,775	11	73,593	11	88,671	11	103,749	11	118,822	11	133,892	11	148,962
1/4	14,766	1/4	29,841	1/4	44,583	1/4	59,077	1/4	73,908	1/4	88,985	1/4	104,063	1/4	119,135	1/4	134,206	1/4	149,276
1/2	15,080	1/2	30,155	1/2	44,884	1/2	59,380	1/2	74,222	1/2	89,299	1/2	104,377	1/2	119,449	1/2	134,519	1/2	149,590
3/4	15,394	3/4	30,469	3/4	45,185	3/4	59,682	3/4	74,536	3/4	89,613	3/4	104,691	3/4	119,763	3/4	134,833	3/4	149,904

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 THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "HSM 3035"

2 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	150,217	0	165,288	0	180,347	0	195,366	0	210,288	0		0		0		0		0	
1/4	150,531	1/4	165,601	1/4	180,660	1/4	195,679	1/4	210,568	1/4		1/4		1/4		1/4		1/4	
1/2	150,845	1/2	165,915	1/2	180,973	1/2	195,992	1/2	210,848	1/2		1/2		1/2		1/2		1/2	
3/4	151,159	3/4	166,229	3/4	181,286	3/4	196,305	3/4	211,128	3/4		3/4		3/4		3/4		3/4	
1	151,473	1	166,543	1	181,598	1	196,617	1	211,408	1		1		1		1		1	
1/4	151,787	1/4	166,857	1/4	181,911	1/4	196,930	1/4	211,639	1/4		1/4		1/4		1/4		1/4	
1/2	152,101	1/2	167,171	1/2	182,224	1/2	197,243	1/2	211,871	1/2		1/2		1/2		1/2		1/2	
3/4	152,415	3/4	167,485	3/4	182,537	3/4	197,556	3/4	212,102	3/4		3/4		3/4		3/4		3/4	
2	152,729	2	167,799	2	182,850	2	197,869	2	212,333	2		2		2		2		2	
1/4	153,043	1/4	168,113	1/4	183,163	1/4	198,182	1/4	212,512	1/4		1/4		1/4		1/4		1/4	
1/2	153,357	1/2	168,427	1/2	183,476	1/2	198,495	1/2	212,692	1/2		1/2		1/2		1/2		1/2	
3/4	153,671	3/4	168,741	3/4	183,789	3/4	198,808	3/4	212,871	3/4		3/4		3/4		3/4		3/4	
3	153,985	3	169,055	3	184,102	3	199,121	3	213,050	3		3		3		3		3	
1/4	154,299	1/4	169,369	1/4	184,415	1/4	199,433	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,613	1/2	169,683	1/2	184,727	1/2	199,746	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,927	3/4	169,997	3/4	185,040	3/4	200,059	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,241	4	170,311	4	185,353	4	200,372	4		4		4		4		4		4	
1/4	155,555	1/4	170,625	1/4	185,666	1/4	200,685	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,869	1/2	170,939	1/2	185,979	1/2	200,998	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,183	3/4	171,253	3/4	186,292	3/4	201,311	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,497	5	171,567	5	186,605	5	201,624	5		5		5		5		5		5	
1/4	156,811	1/4	171,881	1/4	186,918	1/4	201,935	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,125	1/2	172,195	1/2	187,231	1/2	202,246	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,439	3/4	172,509	3/4	187,543	3/4	202,558	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,752	6	172,823	6	187,856	6	202,869	6		6		6		6		6		6	
1/4	158,066	1/4	173,137	1/4	188,169	1/4	203,179	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,380	1/2	173,450	1/2	188,482	1/2	203,489	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,694	3/4	173,764	3/4	188,795	3/4	203,798	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,008	7	174,078	7	189,108	7	204,108	7		7		7		7		7		7	
1/4	159,322	1/4	174,392	1/4	189,421	1/4	204,418	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,636	1/2	174,706	1/2	189,734	1/2	204,728	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,950	3/4	175,020	3/4	190,047	3/4	205,038	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,264	8	175,334	8	190,360	8	205,348	8		8		8		8		8		8	
1/4	160,578	1/4	175,648	1/4	190,672	1/4	205,658	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,892	1/2	175,962	1/2	190,985	1/2	205,968	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,206	3/4	176,276	3/4	191,298	3/4	206,278	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,520	9	176,590	9	191,611	9	206,588	9		9		9		9		9		9	
1/4	161,834	1/4	176,903	1/4	191,924	1/4	206,897	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,148	1/2	177,217	1/2	192,237	1/2	207,207	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,462	3/4	177,530	3/4	192,550	3/4	207,517	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,776	10	177,844	10	192,863	10	207,827	10		10		10		10		10		10	
1/4	163,090	1/4	178,157	1/4	193,176	1/4	208,136	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,404	1/2	178,470	1/2	193,488	1/2	208,446	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,718	3/4	178,782	3/4	193,801	3/4	208,755	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,032	11	179,095	11	194,114	11	209,065	11		11		11		11		11		11	
1/4	164,346	1/4	179,408	1/4	194,427	1/4	209,371	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,660	1/2	179,721	1/2	194,740	1/2	209,676	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,974	3/4	180,034	3/4	195,053	3/4	209,982	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/15/2020 CL
CALCULATED: 01/15/2020 CL
PRINTED: 01/16/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

PRECISION MEASUREMENT
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BARGE "HSM 3035"

2 STBD 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	1,033	0	15,721	0	30,807	0	45,875	0	60,948	0	76,037	0	91,126	0	106,214	0	121,297	0	136,378
1/4	1,269	1/4	16,035	1/4	31,121	1/4	46,188	1/4	61,263	1/4	76,351	1/4	91,440	1/4	106,529	1/4	121,612	1/4	136,693
1/2	1,505	1/2	16,349	1/2	31,435	1/2	46,502	1/2	61,577	1/2	76,666	1/2	91,754	1/2	106,843	1/2	121,926	1/2	137,007
3/4	1,741	3/4	16,664	3/4	31,750	3/4	46,815	3/4	61,892	3/4	76,980	3/4	92,069	3/4	107,157	3/4	122,240	3/4	137,321
1	1,976	1	16,978	1	32,064	1	47,129	1	62,206	1	77,294	1	92,383	1	107,472	1	122,554	1	137,635
1/4	2,270	1/4	17,292	1/4	32,379	1/4	47,442	1/4	62,520	1/4	77,609	1/4	92,697	1/4	107,786	1/4	122,868	1/4	137,949
1/2	2,564	1/2	17,607	1/2	32,693	1/2	47,755	1/2	62,835	1/2	77,923	1/2	93,012	1/2	108,100	1/2	123,183	1/2	138,264
3/4	2,858	3/4	17,921	3/4	33,007	3/4	48,069	3/4	63,149	3/4	78,237	3/4	93,326	3/4	108,415	3/4	123,497	3/4	138,578
2	3,152	2	18,235	2	33,322	2	48,382	2	63,463	2	78,552	2	93,640	2	108,729	2	123,811	2	138,892
1/4	3,465	1/4	18,550	1/4	33,636	1/4	48,696	1/4	63,778	1/4	78,866	1/4	93,955	1/4	109,043	1/4	124,125	1/4	139,206
1/2	3,779	1/2	18,864	1/2	33,950	1/2	49,009	1/2	64,092	1/2	79,181	1/2	94,269	1/2	109,358	1/2	124,439	1/2	139,520
3/4	4,092	3/4	19,178	3/4	34,265	3/4	49,323	3/4	64,406	3/4	79,495	3/4	94,583	3/4	109,672	3/4	124,754	3/4	139,835
3	4,405	3	19,493	3	34,579	3	49,636	3	64,721	3	79,809	3	94,898	3	109,986	3	125,068	3	140,149
1/4	4,719	1/4	19,807	1/4	34,893	1/4	49,950	1/4	65,035	1/4	80,124	1/4	95,212	1/4	110,301	1/4	125,382	1/4	140,463
1/2	5,033	1/2	20,121	1/2	35,208	1/2	50,264	1/2	65,349	1/2	80,438	1/2	95,526	1/2	110,615	1/2	125,696	1/2	140,777
3/4	5,348	3/4	20,436	3/4	35,522	3/4	50,577	3/4	65,664	3/4	80,752	3/4	95,841	3/4	110,929	3/4	126,010	3/4	141,091
4	5,662	4	20,750	4	35,836	4	50,891	4	65,978	4	81,067	4	96,155	4	111,243	4	126,324	4	141,405
1/4	5,976	1/4	21,064	1/4	36,151	1/4	51,205	1/4	66,292	1/4	81,381	1/4	96,470	1/4	111,558	1/4	126,639	1/4	141,720
1/2	6,290	1/2	21,379	1/2	36,465	1/2	51,519	1/2	66,607	1/2	81,695	1/2	96,784	1/2	111,872	1/2	126,953	1/2	142,034
3/4	6,605	3/4	21,693	3/4	36,779	3/4	51,833	3/4	66,921	3/4	82,010	3/4	97,098	3/4	112,186	3/4	127,267	3/4	142,348
5	6,919	5	22,007	5	37,094	5	52,147	5	67,235	5	82,324	5	97,413	5	112,500	5	127,581	5	142,662
1/4	7,233	1/4	22,322	1/4	37,408	1/4	52,461	1/4	67,550	1/4	82,638	1/4	97,727	1/4	112,814	1/4	127,895	1/4	142,976
1/2	7,548	1/2	22,636	1/2	37,722	1/2	52,776	1/2	67,864	1/2	82,953	1/2	98,041	1/2	113,129	1/2	128,210	1/2	143,291
3/4	7,862	3/4	22,950	3/4	38,037	3/4	53,090	3/4	68,178	3/4	83,267	3/4	98,356	3/4	113,443	3/4	128,524	3/4	143,605
6	8,176	6	23,265	6	38,351	6	53,404	6	68,493	6	83,581	6	98,670	6	113,757	6	128,838	6	143,919
1/4	8,491	1/4	23,579	1/4	38,665	1/4	53,719	1/4	68,807	1/4	83,896	1/4	98,984	1/4	114,071	1/4	129,152	1/4	144,233
1/2	8,805	1/2	23,894	1/2	38,979	1/2	54,033	1/2	69,121	1/2	84,210	1/2	99,299	1/2	114,385	1/2	129,466	1/2	144,547
3/4	9,119	3/4	24,208	3/4	39,293	3/4	54,347	3/4	69,436	3/4	84,524	3/4	99,613	3/4	114,700	3/4	129,781	3/4	144,862
7	9,434	7	24,522	7	39,607	7	54,662	7	69,750	7	84,839	7	99,927	7	115,014	7	130,095	7	145,176
1/4	9,748	1/4	24,837	1/4	39,920	1/4	54,976	1/4	70,065	1/4	85,153	1/4	100,242	1/4	115,328	1/4	130,409	1/4	145,490
1/2	10,062	1/2	25,151	1/2	40,233	1/2	55,290	1/2	70,379	1/2	85,467	1/2	100,556	1/2	115,642	1/2	130,723	1/2	145,804
3/4	10,377	3/4	25,465	3/4	40,547	3/4	55,605	3/4	70,693	3/4	85,782	3/4	100,870	3/4	115,956	3/4	131,037	3/4	146,118
8	10,691	8	25,780	8	40,860	8	55,919	8	71,008	8	86,096	8	101,185	8	116,270	8	131,351	8	146,432
1/4	11,005	1/4	26,094	1/4	41,174	1/4	56,233	1/4	71,322	1/4	86,410	1/4	101,499	1/4	116,585	1/4	131,666	1/4	146,747
1/2	11,320	1/2	26,408	1/2	41,487	1/2	56,548	1/2	71,636	1/2	86,725	1/2	101,813	1/2	116,899	1/2	131,980	1/2	147,061
3/4	11,634	3/4	26,722	3/4	41,800	3/4	56,862	3/4	71,951	3/4	87,039	3/4	102,128	3/4	117,213	3/4	132,294	3/4	147,375
9	11,948	9	27,037	9	42,114	9	57,176	9	72,265	9	87,354	9	102,442	9	117,527	9	132,608	9	147,689
1/4	12,263	1/4	27,351	1/4	42,427	1/4	57,491	1/4	72,579	1/4	87,668	1/4	102,756	1/4	117,841	1/4	132,922	1/4	148,003
1/2	12,577	1/2	27,665	1/2	42,741	1/2	57,805	1/2	72,894	1/2	87,982	1/2	103,071	1/2	118,156	1/2	133,237	1/2	148,318
3/4	12,891	3/4	27,979	3/4	43,054	3/4	58,119	3/4	73,208	3/4	88,297	3/4	103,385	3/4	118,470	3/4	133,551	3/4	148,632
10	13,206	10	28,293	10	43,368	10	58,434	10	73,522	10	88,611	10	103,699	10	118,784	10	133,865	10	148,946
1/4	13,520	1/4	28,607	1/4	43,681	1/4	58,748	1/4	73,837	1/4	88,925	1/4	104,014	1/4	119,098	1/4	134,179	1/4	149,260
1/2	13,834	1/2	28,921	1/2	43,994	1/2	59,062	1/2	74,151	1/2	89,240	1/2	104,328	1/2	119,412	1/2	134,493	1/2	149,574
3/4	14,149	3/4	29,236	3/4	44,308	3/4	59,377	3/4	74,465	3/4	89,554	3/4	104,643	3/4	119,727	3/4	134,808	3/4	149,889
11	14,463	11	29,550	11	44,621	11	59,691	11	74,780	11	89,868	11	104,957	11	120,041	11	135,122	11	150,203
1/4	14,778	1/4	29,864	1/4	44,935	1/4	60,005	1/4	75,094	1/4	90,183	1/4	105,271	1/4	120,355	1/4	135,436	1/4	150,517
1/2	15,092	1/2	30,178	1/2	45,248	1/2	60,320	1/2	75,408	1/2	90,497	1/2	105,586	1/2	120,669	1/2	135,750	1/2	150,831
3/4	15,406	3/4	30,493	3/4	45,561	3/4	60,634	3/4	75,723	3/4	90,811	3/4	105,900	3/4	120,983	3/4	136,064	3/4	151,145

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 THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "HSM 3035"

2 STBD 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	151,459	0	166,540	0	181,611	0	196,641	0	211,574	0		0		0		0		0	
1/4	151,774	1/4	166,855	1/4	181,924	1/4	196,954	1/4	211,854	1/4		1/4		1/4		1/4		1/4	
1/2	152,088	1/2	167,169	1/2	182,237	1/2	197,267	1/2	212,134	1/2		1/2		1/2		1/2		1/2	
3/4	152,402	3/4	167,483	3/4	182,550	3/4	197,580	3/4	212,414	3/4		3/4		3/4		3/4		3/4	
1	152,716	1	167,797	1	182,863	1	197,893	1	212,694	1		1		1		1		1	
1/4	153,030	1/4	168,111	1/4	183,176	1/4	198,206	1/4	212,926	1/4		1/4		1/4		1/4		1/4	
1/2	153,345	1/2	168,426	1/2	183,490	1/2	198,519	1/2	213,158	1/2		1/2		1/2		1/2		1/2	
3/4	153,659	3/4	168,740	3/4	183,803	3/4	198,833	3/4	213,389	3/4		3/4		3/4		3/4		3/4	
2	153,973	2	169,054	2	184,116	2	199,146	2	213,621	2		2		2		2		2	
1/4	154,287	1/4	169,368	1/4	184,429	1/4	199,459	1/4	213,800	1/4		1/4		1/4		1/4		1/4	
1/2	154,601	1/2	169,682	1/2	184,742	1/2	199,772	1/2	213,979	1/2		1/2		1/2		1/2		1/2	
3/4	154,916	3/4	169,997	3/4	185,055	3/4	200,085	3/4	214,158	3/4		3/4		3/4		3/4		3/4	
3	155,230	3	170,311	3	185,368	3	200,398	3	214,337	3		3		3		3		3	
1/4	155,544	1/4	170,625	1/4	185,681	1/4	200,711	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,858	1/2	170,939	1/2	185,995	1/2	201,024	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,172	3/4	171,253	3/4	186,308	3/4	201,337	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,486	4	171,567	4	186,621	4	201,651	4		4		4		4		4		4	
1/4	156,801	1/4	171,882	1/4	186,934	1/4	201,964	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,115	1/2	172,196	1/2	187,247	1/2	202,277	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,429	3/4	172,510	3/4	187,560	3/4	202,590	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,743	5	172,824	5	187,873	5	202,903	5		5		5		5		5		5	
1/4	158,057	1/4	173,138	1/4	188,186	1/4	203,215	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,372	1/2	173,453	1/2	188,500	1/2	203,526	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,686	3/4	173,767	3/4	188,813	3/4	203,838	3/4		3/4		3/4		3/4		3/4		3/4	
6	159,000	6	174,081	6	189,126	6	204,149	6		6		6		6		6		6	
1/4	159,314	1/4	174,395	1/4	189,439	1/4	204,459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,628	1/2	174,709	1/2	189,752	1/2	204,769	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,943	3/4	175,024	3/4	190,065	3/4	205,079	3/4		3/4		3/4		3/4		3/4		3/4	
7	160,257	7	175,338	7	190,378	7	205,389	7		7		7		7		7		7	
1/4	160,571	1/4	175,652	1/4	190,691	1/4	205,700	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,885	1/2	175,966	1/2	191,004	1/2	206,010	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,199	3/4	176,280	3/4	191,318	3/4	206,320	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,513	8	176,594	8	191,631	8	206,630	8		8		8		8		8		8	
1/4	161,828	1/4	176,909	1/4	191,944	1/4	206,940	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,142	1/2	177,223	1/2	192,257	1/2	207,250	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,456	3/4	177,537	3/4	192,570	3/4	207,560	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,770	9	177,851	9	192,883	9	207,871	9		9		9		9		9		9	
1/4	163,084	1/4	178,165	1/4	193,196	1/4	208,181	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,399	1/2	178,479	1/2	193,509	1/2	208,491	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,713	3/4	178,792	3/4	193,823	3/4	208,801	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,027	10	179,106	10	194,136	10	209,111	10		10		10		10		10		10	
1/4	164,341	1/4	179,419	1/4	194,449	1/4	209,421	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,655	1/2	179,732	1/2	194,762	1/2	209,730	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,970	3/4	180,045	3/4	195,075	3/4	210,040	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,284	11	180,358	11	195,388	11	210,350	11		11		11		11		11		11	
1/4	165,598	1/4	180,671	1/4	195,701	1/4	210,656	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,912	1/2	180,985	1/2	196,014	1/2	210,962	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,226	3/4	181,298	3/4	196,328	3/4	211,268	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/15/2020 CL
CALCULATED: 01/15/2020 CL
PRINTED: 01/16/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

PRECISION MEASUREMENT
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BARGE "HSM 3035"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	15,641	0	30,636	0	45,403	0	59,967	0	74,884	0	89,857	0	104,842	0	119,818	0	134,789
1/4	1,263	1/4	15,953	1/4	30,949	1/4	45,705	1/4	60,279	1/4	75,195	1/4	90,169	1/4	105,155	1/4	120,129	1/4	135,101
1/2	1,498	1/2	16,265	1/2	31,261	1/2	46,007	1/2	60,591	1/2	75,505	1/2	90,481	1/2	105,467	1/2	120,441	1/2	135,413
3/4	1,733	3/4	16,578	3/4	31,574	3/4	46,309	3/4	60,903	3/4	75,815	3/4	90,794	3/4	105,779	3/4	120,753	3/4	135,725
1	1,967	1	16,890	1	31,886	1	46,611	1	61,215	1	76,126	1	91,106	1	106,092	1	121,065	1	136,037
1/4	2,260	1/4	17,203	1/4	32,199	1/4	46,913	1/4	61,528	1/4	76,436	1/4	91,418	1/4	106,404	1/4	121,377	1/4	136,349
1/2	2,552	1/2	17,515	1/2	32,511	1/2	47,215	1/2	61,840	1/2	76,747	1/2	91,730	1/2	106,716	1/2	121,689	1/2	136,661
3/4	2,845	3/4	17,828	3/4	32,823	3/4	47,517	3/4	62,152	3/4	77,057	3/4	92,042	3/4	107,028	3/4	122,001	3/4	136,973
2	3,138	2	18,140	2	33,136	2	47,819	2	62,464	2	77,368	2	92,354	2	107,340	2	122,313	2	137,284
1/4	3,450	1/4	18,453	1/4	33,448	1/4	48,122	1/4	62,775	1/4	77,679	1/4	92,666	1/4	107,652	1/4	122,625	1/4	137,596
1/2	3,762	1/2	18,765	1/2	33,761	1/2	48,424	1/2	63,086	1/2	77,990	1/2	92,978	1/2	107,964	1/2	122,937	1/2	137,908
3/4	4,074	3/4	19,078	3/4	34,073	3/4	48,727	3/4	63,398	3/4	78,302	3/4	93,290	3/4	108,277	3/4	123,249	3/4	138,220
3	4,386	3	19,390	3	34,386	3	49,030	3	63,709	3	78,613	3	93,602	3	108,589	3	123,560	3	138,532
1/4	4,698	1/4	19,702	1/4	34,698	1/4	49,332	1/4	64,019	1/4	78,926	1/4	93,914	1/4	108,901	1/4	123,872	1/4	138,844
1/2	5,011	1/2	20,015	1/2	35,010	1/2	49,635	1/2	64,330	1/2	79,238	1/2	94,226	1/2	109,212	1/2	124,184	1/2	139,156
3/4	5,323	3/4	20,327	3/4	35,321	3/4	49,937	3/4	64,640	3/4	79,550	3/4	94,538	3/4	109,524	3/4	124,496	3/4	139,468
4	5,636	4	20,640	4	35,633	4	50,240	4	64,951	4	79,863	4	94,851	4	109,836	4	124,808	4	139,780
1/4	5,949	1/4	20,952	1/4	35,942	1/4	50,543	1/4	65,261	1/4	80,175	1/4	95,163	1/4	110,148	1/4	125,120	1/4	140,092
1/2	6,261	1/2	21,265	1/2	36,250	1/2	50,845	1/2	65,571	1/2	80,488	1/2	95,475	1/2	110,460	1/2	125,432	1/2	140,403
3/4	6,574	3/4	21,577	3/4	36,558	3/4	51,148	3/4	65,882	3/4	80,800	3/4	95,787	3/4	110,772	3/4	125,744	3/4	140,715
5	6,886	5	21,890	5	36,867	5	51,450	5	66,192	5	81,112	5	96,099	5	111,084	5	126,056	5	141,027
1/4	7,199	1/4	22,202	1/4	37,172	1/4	51,753	1/4	66,503	1/4	81,425	1/4	96,411	1/4	111,396	1/4	126,368	1/4	141,339
1/2	7,512	1/2	22,515	1/2	37,477	1/2	52,055	1/2	66,813	1/2	81,737	1/2	96,723	1/2	111,708	1/2	126,680	1/2	141,650
3/4	7,824	3/4	22,827	3/4	37,782	3/4	52,358	3/4	67,124	3/4	82,049	3/4	97,035	3/4	112,020	3/4	126,991	3/4	141,962
6	8,137	6	23,139	6	38,087	6	52,661	6	67,434	6	82,362	6	97,347	6	112,332	6	127,303	6	142,274
1/4	8,450	1/4	23,452	1/4	38,392	1/4	52,963	1/4	67,744	1/4	82,674	1/4	97,659	1/4	112,644	1/4	127,615	1/4	142,581
1/2	8,763	1/2	23,764	1/2	38,697	1/2	53,266	1/2	68,055	1/2	82,987	1/2	97,972	1/2	112,956	1/2	127,927	1/2	142,888
3/4	9,076	3/4	24,077	3/4	39,002	3/4	53,568	3/4	68,365	3/4	83,299	3/4	98,284	3/4	113,267	3/4	128,239	3/4	143,195
7	9,389	7	24,389	7	39,308	7	53,871	7	68,676	7	83,611	7	98,596	7	113,579	7	128,551	7	143,502
1/4	9,701	1/4	24,702	1/4	39,613	1/4	54,174	1/4	68,986	1/4	83,924	1/4	98,908	1/4	113,891	1/4	128,863	1/4	143,797
1/2	10,014	1/2	25,014	1/2	39,918	1/2	54,476	1/2	69,296	1/2	84,236	1/2	99,221	1/2	114,203	1/2	129,175	1/2	144,092
3/4	10,327	3/4	25,327	3/4	40,223	3/4	54,779	3/4	69,607	3/4	84,549	3/4	99,533	3/4	114,515	3/4	129,487	3/4	144,387
8	10,640	8	25,639	8	40,528	8	55,081	8	69,917	8	84,861	8	99,845	8	114,827	8	129,799	8	144,682
1/4	10,953	1/4	25,951	1/4	40,833	1/4	55,384	1/4	70,228	1/4	85,173	1/4	100,158	1/4	115,139	1/4	130,111	1/4	144,960
1/2	11,266	1/2	26,264	1/2	41,138	1/2	55,687	1/2	70,538	1/2	85,486	1/2	100,470	1/2	115,451	1/2	130,422	1/2	145,239
3/4	11,578	3/4	26,576	3/4	41,443	3/4	55,989	3/4	70,849	3/4	85,798	3/4	100,782	3/4	115,763	3/4	130,734	3/4	145,518
9	11,891	9	26,889	9	41,749	9	56,292	9	71,159	9	86,111	9	101,095	9	116,075	9	131,046	9	145,796
1/4	12,204	1/4	27,201	1/4	42,054	1/4	56,596	1/4	71,469	1/4	86,423	1/4	101,407	1/4	116,387	1/4	131,358	1/4	146,059
1/2	12,516	1/2	27,513	1/2	42,359	1/2	56,900	1/2	71,780	1/2	86,735	1/2	101,719	1/2	116,698	1/2	131,670	1/2	146,322
3/4	12,828	3/4	27,825	3/4	42,664	3/4	57,204	3/4	72,090	3/4	87,048	3/4	102,032	3/4	117,010	3/4	131,982	3/4	146,585
10	13,141	10	28,138	10	42,969	10	57,508	10	72,401	10	87,360	10	102,344	10	117,322	10	132,294	10	146,848
1/4	13,453	1/4	28,450	1/4	43,274	1/4	57,814	1/4	72,711	1/4	87,672	1/4	102,656	1/4	117,634	1/4	132,606	1/4	147,096
1/2	13,766	1/2	28,762	1/2	43,579	1/2	58,120	1/2	73,022	1/2	87,985	1/2	102,968	1/2	117,946	1/2	132,918	1/2	147,343
3/4	14,078	3/4	29,075	3/4	43,884	3/4	58,426	3/4	73,332	3/4	88,297	3/4	103,281	3/4	118,258	3/4	133,230	3/4	147,590
11	14,391	11	29,387	11	44,189	11	58,731	11	73,642	11	88,609	11	103,593	11	118,570	11	133,542	11	147,838
1/4	14,703	1/4	29,699	1/4	44,493	1/4	59,040	1/4	73,953	1/4	88,921	1/4	103,905	1/4	118,882	1/4	133,853	1/4	148,069
1/2	15,016	1/2	30,012	1/2	44,796	1/2	59,349	1/2	74,263	1/2	89,233	1/2	104,218	1/2	119,194	1/2	134,165	1/2	148,300
3/4	15,328	3/4	30,324	3/4	45,100	3/4	59,658	3/4	74,574	3/4	89,545	3/4	104,530	3/4	119,506	3/4	134,477	3/4	148,531

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 THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "HSM 3035"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	148,763	0	159,149	0	169,514	0	179,851	0	190,172	0		0		0		0		0	
1/4	148,982	1/4	159,365	1/4	169,730	1/4	180,066	1/4	190,365	1/4		1/4		1/4		1/4		1/4	
1/2	149,202	1/2	159,582	1/2	169,945	1/2	180,281	1/2	190,559	1/2		1/2		1/2		1/2		1/2	
3/4	149,421	3/4	159,798	3/4	170,160	3/4	180,497	3/4	190,752	3/4		3/4		3/4		3/4		3/4	
1	149,641	1	160,014	1	170,376	1	180,712	1	190,945	1		1		1		1		1	
1/4	149,857	1/4	160,230	1/4	170,591	1/4	180,927	1/4	191,105	1/4		1/4		1/4		1/4		1/4	
1/2	150,073	1/2	160,446	1/2	170,806	1/2	181,143	1/2	191,264	1/2		1/2		1/2		1/2		1/2	
3/4	150,289	3/4	160,662	3/4	171,022	3/4	181,358	3/4	191,424	3/4		3/4		3/4		3/4		3/4	
2	150,505	2	160,878	2	171,237	2	181,573	2	191,584	2		2		2		2		2	
1/4	150,722	1/4	161,094	1/4	171,452	1/4	181,789	1/4	191,708	1/4		1/4		1/4		1/4		1/4	
1/2	150,938	1/2	161,310	1/2	171,668	1/2	182,004	1/2	191,831	1/2		1/2		1/2		1/2		1/2	
3/4	151,154	3/4	161,526	3/4	171,883	3/4	182,219	3/4	191,955	3/4		3/4		3/4		3/4		3/4	
3	151,370	3	161,743	3	172,098	3	182,435	3	192,079	3		3		3		3		3	
1/4	151,586	1/4	161,959	1/4	172,314	1/4	182,650	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,802	1/2	162,175	1/2	172,529	1/2	182,865	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,018	3/4	162,391	3/4	172,745	3/4	183,081	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,234	4	162,607	4	172,960	4	183,296	4		4		4		4		4		4	
1/4	152,450	1/4	162,823	1/4	173,175	1/4	183,511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,666	1/2	163,039	1/2	173,391	1/2	183,727	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,883	3/4	163,255	3/4	173,606	3/4	183,942	3/4		3/4		3/4		3/4		3/4		3/4	
5	153,099	5	163,471	5	173,821	5	184,157	5		5		5		5		5		5	
1/4	153,315	1/4	163,687	1/4	174,037	1/4	184,373	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,531	1/2	163,904	1/2	174,252	1/2	184,588	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,747	3/4	164,120	3/4	174,467	3/4	184,803	3/4		3/4		3/4		3/4		3/4		3/4	
6	153,963	6	164,336	6	174,683	6	185,019	6		6		6		6		6		6	
1/4	154,179	1/4	164,552	1/4	174,898	1/4	185,234	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,395	1/2	164,768	1/2	175,113	1/2	185,449	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,611	3/4	164,984	3/4	175,329	3/4	185,665	3/4		3/4		3/4		3/4		3/4		3/4	
7	154,827	7	165,200	7	175,544	7	185,880	7		7		7		7		7		7	
1/4	155,043	1/4	165,416	1/4	175,759	1/4	186,095	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,260	1/2	165,632	1/2	175,975	1/2	186,311	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,476	3/4	165,848	3/4	176,190	3/4	186,526	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,692	8	166,064	8	176,405	8	186,742	8		8		8		8		8		8	
1/4	155,908	1/4	166,281	1/4	176,621	1/4	186,957	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,124	1/2	166,497	1/2	176,836	1/2	187,173	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,340	3/4	166,713	3/4	177,051	3/4	187,388	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,556	9	166,929	9	177,267	9	187,603	9		9		9		9		9		9	
1/4	156,772	1/4	167,145	1/4	177,482	1/4	187,819	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,988	1/2	167,360	1/2	177,697	1/2	188,034	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,204	3/4	167,576	3/4	177,913	3/4	188,250	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,421	10	167,792	10	178,128	10	188,465	10		10		10		10		10		10	
1/4	157,637	1/4	168,007	1/4	178,343	1/4	188,680	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,853	1/2	168,222	1/2	178,559	1/2	188,895	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,069	3/4	168,438	3/4	178,774	3/4	189,110	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,285	11	168,653	11	178,989	11	189,325	11		11		11		11		11		11	
1/4	158,501	1/4	168,868	1/4	179,205	1/4	189,537	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,717	1/2	169,084	1/2	179,420	1/2	189,749	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,933	3/4	169,299	3/4	179,635	3/4	189,961	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/15/2020 CL
CALCULATED: 01/15/2020 CL
PRINTED: 01/16/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3035"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	1,028	0	15,640	0	30,652	0	45,647	0	60,658	0	75,670	0	90,682	0	105,694	0	120,689	0	135,681
1/4	1,262	1/4	15,953	1/4	30,965	1/4	45,960	1/4	60,971	1/4	75,983	1/4	90,995	1/4	106,007	1/4	121,002	1/4	135,993
1/2	1,497	1/2	16,266	1/2	31,277	1/2	46,272	1/2	61,283	1/2	76,295	1/2	91,307	1/2	106,319	1/2	121,314	1/2	136,306
3/4	1,732	3/4	16,579	3/4	31,590	3/4	46,585	3/4	61,596	3/4	76,608	3/4	91,620	3/4	106,632	3/4	121,626	3/4	136,618
1	1,966	1	16,891	1	31,903	1	46,897	1	61,909	1	76,921	1	91,933	1	106,945	1	121,939	1	136,930
1/4	2,258	1/4	17,204	1/4	32,216	1/4	47,210	1/4	62,222	1/4	77,234	1/4	92,246	1/4	107,257	1/4	122,251	1/4	137,243
1/2	2,551	1/2	17,517	1/2	32,528	1/2	47,523	1/2	62,534	1/2	77,546	1/2	92,558	1/2	107,570	1/2	122,563	1/2	137,555
3/4	2,843	3/4	17,830	3/4	32,841	3/4	47,835	3/4	62,847	3/4	77,859	3/4	92,871	3/4	107,883	3/4	122,876	3/4	137,867
2	3,136	2	18,142	2	33,154	2	48,148	2	63,160	2	78,172	2	93,184	2	108,195	2	123,188	2	138,180
1/4	3,447	1/4	18,455	1/4	33,467	1/4	48,461	1/4	63,473	1/4	78,485	1/4	93,497	1/4	108,508	1/4	123,500	1/4	138,492
1/2	3,759	1/2	18,768	1/2	33,779	1/2	48,773	1/2	63,785	1/2	78,797	1/2	93,809	1/2	108,820	1/2	123,813	1/2	138,805
3/4	4,071	3/4	19,080	3/4	34,092	3/4	49,086	3/4	64,098	3/4	79,110	3/4	94,122	3/4	109,133	3/4	124,125	3/4	139,117
3	4,383	3	19,393	3	34,405	3	49,399	3	64,411	3	79,423	3	94,435	3	109,445	3	124,437	3	139,429
1/4	4,695	1/4	19,706	1/4	34,717	1/4	49,712	1/4	64,724	1/4	79,736	1/4	94,748	1/4	109,757	1/4	124,750	1/4	139,742
1/2	5,008	1/2	20,019	1/2	35,030	1/2	50,024	1/2	65,036	1/2	80,048	1/2	95,060	1/2	110,070	1/2	125,062	1/2	140,054
3/4	5,320	3/4	20,331	3/4	35,342	3/4	50,337	3/4	65,349	3/4	80,361	3/4	95,373	3/4	110,382	3/4	125,374	3/4	140,366
4	5,633	4	20,644	4	35,655	4	50,650	4	65,662	4	80,674	4	95,686	4	110,695	4	125,687	4	140,678
1/4	5,945	1/4	20,957	1/4	35,967	1/4	50,963	1/4	65,975	1/4	80,987	1/4	95,999	1/4	111,007	1/4	125,999	1/4	140,991
1/2	6,258	1/2	21,270	1/2	36,279	1/2	51,275	1/2	66,287	1/2	81,299	1/2	96,311	1/2	111,319	1/2	126,311	1/2	141,303
3/4	6,571	3/4	21,582	3/4	36,592	3/4	51,588	3/4	66,600	3/4	81,612	3/4	96,624	3/4	111,632	3/4	126,624	3/4	141,615
5	6,884	5	21,895	5	36,904	5	51,901	5	66,913	5	81,925	5	96,937	5	111,944	5	126,936	5	141,928
1/4	7,196	1/4	22,208	1/4	37,216	1/4	52,214	1/4	67,226	1/4	82,238	1/4	97,250	1/4	112,256	1/4	127,248	1/4	142,240
1/2	7,509	1/2	22,521	1/2	37,528	1/2	52,526	1/2	67,538	1/2	82,550	1/2	97,562	1/2	112,569	1/2	127,561	1/2	142,552
3/4	7,822	3/4	22,833	3/4	37,841	3/4	52,839	3/4	67,851	3/4	82,863	3/4	97,875	3/4	112,881	3/4	127,873	3/4	142,864
6	8,135	6	23,146	6	38,153	6	53,152	6	68,164	6	83,176	6	98,188	6	113,193	6	128,185	6	143,176
1/4	8,447	1/4	23,459	1/4	38,465	1/4	53,465	1/4	68,477	1/4	83,489	1/4	98,501	1/4	113,506	1/4	128,498	1/4	143,483
1/2	8,760	1/2	23,772	1/2	38,777	1/2	53,777	1/2	68,789	1/2	83,801	1/2	98,813	1/2	113,818	1/2	128,810	1/2	143,791
3/4	9,073	3/4	24,084	3/4	39,090	3/4	54,090	3/4	69,102	3/4	84,114	3/4	99,126	3/4	114,130	3/4	129,122	3/4	144,098
7	9,386	7	24,397	7	39,402	7	54,403	7	69,415	7	84,427	7	99,439	7	114,443	7	129,435	7	144,406
1/4	9,698	1/4	24,710	1/4	39,714	1/4	54,716	1/4	69,728	1/4	84,740	1/4	99,752	1/4	114,755	1/4	129,747	1/4	144,701
1/2	10,011	1/2	25,023	1/2	40,026	1/2	55,028	1/2	70,040	1/2	85,052	1/2	100,064	1/2	115,067	1/2	130,059	1/2	144,997
3/4	10,324	3/4	25,335	3/4	40,339	3/4	55,341	3/4	70,353	3/4	85,365	3/4	100,377	3/4	115,380	3/4	130,371	3/4	145,292
8	10,636	8	25,648	8	40,651	8	55,654	8	70,666	8	85,678	8	100,690	8	115,692	8	130,684	8	145,587
1/4	10,949	1/4	25,961	1/4	40,963	1/4	55,967	1/4	70,979	1/4	85,991	1/4	101,003	1/4	116,004	1/4	130,996	1/4	145,866
1/2	11,262	1/2	26,274	1/2	41,275	1/2	56,279	1/2	71,291	1/2	86,303	1/2	101,315	1/2	116,317	1/2	131,308	1/2	146,145
3/4	11,575	3/4	26,586	3/4	41,588	3/4	56,592	3/4	71,604	3/4	86,616	3/4	101,628	3/4	116,629	3/4	131,621	3/4	146,424
9	11,887	9	26,899	9	41,900	9	56,905	9	71,917	9	86,929	9	101,941	9	116,941	9	131,933	9	146,704
1/4	12,200	1/4	27,212	1/4	42,212	1/4	57,218	1/4	72,230	1/4	87,242	1/4	102,254	1/4	117,254	1/4	132,245	1/4	146,967
1/2	12,513	1/2	27,524	1/2	42,524	1/2	57,530	1/2	72,542	1/2	87,554	1/2	102,566	1/2	117,566	1/2	132,558	1/2	147,230
3/4	12,826	3/4	27,837	3/4	42,837	3/4	57,843	3/4	72,855	3/4	87,867	3/4	102,879	3/4	117,878	3/4	132,870	3/4	147,493
10	13,138	10	28,150	10	43,149	10	58,156	10	73,168	10	88,180	10	103,192	10	118,191	10	133,182	10	147,756
1/4	13,451	1/4	28,463	1/4	43,461	1/4	58,469	1/4	73,481	1/4	88,493	1/4	103,505	1/4	118,503	1/4	133,495	1/4	148,004
1/2	13,764	1/2	28,775	1/2	43,773	1/2	58,781	1/2	73,793	1/2	88,805	1/2	103,817	1/2	118,815	1/2	133,807	1/2	148,251
3/4	14,077	3/4	29,088	3/4	44,086	3/4	59,094	3/4	74,106	3/4	89,118	3/4	104,130	3/4	119,128	3/4	134,119	3/4	148,498
11	14,389	11	29,401	11	44,398	11	59,407	11	74,419	11	89,431	11	104,443	11	119,440	11	134,432	11	148,745
1/4	14,702	1/4	29,714	1/4	44,710	1/4	59,720	1/4	74,732	1/4	89,744	1/4	104,756	1/4	119,752	1/4	134,744	1/4	148,976
1/2	15,015	1/2	30,026	1/2	45,023	1/2	60,032	1/2	75,044	1/2	90,056	1/2	105,068	1/2	120,065	1/2	135,056	1/2	149,207
3/4	15,328	3/4	30,339	3/4	45,335	3/4	60,345	3/4	75,357	3/4	90,369	3/4	105,381	3/4	120,377	3/4	135,369	3/4	149,438

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 THREADS ON "MMC" VALVE OR 8" HATCH.

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3035"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	149,669	0	160,048	0	170,404	0	180,732	0	191,045	0		0		0		0		0	
1/4	149,889	1/4	160,264	1/4	170,619	1/4	180,947	1/4	191,238	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	150,108	1/2	160,480	1/2	170,834	1/2	181,162	1/2	191,431	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,328	3/4	160,695	3/4	171,050	3/4	181,377	3/4	191,624	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	150,547	1	160,911	1	171,265	1	181,592	1	191,817	1	1	1	1	1	1	1	1	1	1
1/4	150,763	1/4	161,127	1/4	171,480	1/4	181,807	1/4	191,976	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	150,979	1/2	161,343	1/2	171,695	1/2	182,023	1/2	192,136	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,195	3/4	161,559	3/4	171,910	3/4	182,238	3/4	192,295	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	151,411	2	161,775	2	172,125	2	182,453	2	192,455	2	2	2	2	2	2	2	2	2	2
1/4	151,627	1/4	161,991	1/4	172,341	1/4	182,668	1/4	192,579	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,843	1/2	162,207	1/2	172,556	1/2	182,883	1/2	192,702	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,059	3/4	162,423	3/4	172,771	3/4	183,098	3/4	192,826	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	152,275	3	162,639	3	172,986	3	183,314	3	192,949	3	3	3	3	3	3	3	3	3	3
1/4	152,491	1/4	162,855	1/4	173,201	1/4	183,529	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,707	1/2	163,071	1/2	173,416	1/2	183,744	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,922	3/4	163,286	3/4	173,631	3/4	183,959	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	153,138	4	163,502	4	173,847	4	184,174	4	4	4	4	4	4	4	4	4	4	4	4
1/4	153,354	1/4	163,718	1/4	174,062	1/4	184,389	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,570	1/2	163,934	1/2	174,277	1/2	184,604	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,786	3/4	164,150	3/4	174,492	3/4	184,820	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	154,002	5	164,366	5	174,707	5	185,035	5	5	5	5	5	5	5	5	5	5	5	5
1/4	154,218	1/4	164,582	1/4	174,922	1/4	185,250	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,434	1/2	164,798	1/2	175,138	1/2	185,465	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,650	3/4	165,014	3/4	175,353	3/4	185,680	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	154,866	6	165,230	6	175,568	6	185,895	6	6	6	6	6	6	6	6	6	6	6	6
1/4	155,082	1/4	165,446	1/4	175,783	1/4	186,111	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,298	1/2	165,662	1/2	175,998	1/2	186,326	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,513	3/4	165,877	3/4	176,213	3/4	186,541	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	155,729	7	166,093	7	176,429	7	186,756	7	7	7	7	7	7	7	7	7	7	7	7
1/4	155,945	1/4	166,309	1/4	176,644	1/4	186,971	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,161	1/2	166,525	1/2	176,859	1/2	187,186	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,377	3/4	166,741	3/4	177,074	3/4	187,402	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	156,593	8	166,957	8	177,289	8	187,617	8	8	8	8	8	8	8	8	8	8	8	8
1/4	156,809	1/4	167,173	1/4	177,504	1/4	187,832	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,025	1/2	167,389	1/2	177,719	1/2	188,047	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,241	3/4	167,605	3/4	177,935	3/4	188,263	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	157,457	9	167,821	9	178,150	9	188,478	9	9	9	9	9	9	9	9	9	9	9	9
1/4	157,673	1/4	168,036	1/4	178,365	1/4	188,693	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,889	1/2	168,252	1/2	178,580	1/2	188,908	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,104	3/4	168,467	3/4	178,795	3/4	189,124	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	158,320	10	168,683	10	179,010	10	189,339	10	10	10	10	10	10	10	10	10	10	10	10
1/4	158,536	1/4	168,898	1/4	179,226	1/4	189,554	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,752	1/2	169,113	1/2	179,441	1/2	189,769	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,968	3/4	169,328	3/4	179,656	3/4	189,984	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	159,184	11	169,544	11	179,871	11	190,198	11	11	11	11	11	11	11	11	11	11	11	11
1/4	159,400	1/4	169,759	1/4	180,086	1/4	190,410	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,616	1/2	169,974	1/2	180,301	1/2	190,622	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,832	3/4	170,189	3/4	180,517	3/4	190,833	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/15/2020 CL
CALCULATED: 01/15/2020 CL
PRINTED: 01/16/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "HSM 3035"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	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	1/4	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	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	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	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
2	7	2	123	2	280	2	428	2	2	2		2	2	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
3	13	3	136	3	294	3	438	3	3	3		3	3	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
4	20	4	148	4	307	4	448	4	4	4		4	4	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
5	28	5	161	5	320	5	457	5	5	5		5	5	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
6	37	6	174	6	333	6	466	6	6	6		6	6	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
7	46	7	187	7	346	7	474	7	7	7		7	7	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
8	56	8	200	8	358	8	481	8	8	8		8	8	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
9	66	9	214	9	370	9	487	9	9	9		9	9	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
10	77	10	227	10	383	10	491	10	10	10		10	10	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	1/4	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	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	3/4	3/4	3/4	3/4	3/4
11	88	11	240	11	394	11	494	11	11	11		11	11	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	1/4	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	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	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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CALCULATED: 01/15/2020 CL
PRINTED: 01/16/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "HSM 3035"

PORT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	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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CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

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BARGE "HSM 3035"

STBD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	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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