



BARGE "HSM 3038"

ULLAGE 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	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 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 ULLAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

February 5, 2020

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3038"

ULLAGE 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	- 00-0/8	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	- 00-1/8	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 ULLAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

February 5, 2020

**PRECISION MEASUREMENT
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BARGE "HSM 3038"

1 PORT ULLAGE 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	0	0	0	0	200,075	0	185,081	0	170,071	0	155,033	0	139,995	0	124,957	0	109,918	0	94,874
1/4		1/4		1/4	199,763	1/4	184,769	1/4	169,758	1/4	154,720	1/4	139,682	1/4	124,643	1/4	109,605	1/4	94,561
1/2		1/2		1/2	199,451	1/2	184,457	1/2	169,445	1/2	154,407	1/2	139,368	1/2	124,330	1/2	109,292	1/2	94,248
3/4		3/4		3/4	199,139	3/4	184,144	3/4	169,132	3/4	154,093	3/4	139,055	3/4	124,017	3/4	108,978	3/4	93,934
1	1	1	1	1	198,826	1	183,832	1	168,818	1	153,780	1	138,742	1	123,703	1	108,665	1	93,621
1/4		1/4		1/4	198,514	1/4	183,519	1/4	168,505	1/4	153,467	1/4	138,428	1/4	123,390	1/4	108,352	1/4	93,307
1/2		1/2		1/2	198,201	1/2	183,207	1/2	168,192	1/2	153,153	1/2	138,115	1/2	123,077	1/2	108,038	1/2	92,994
3/4		3/4		3/4	197,889	3/4	182,895	3/4	167,878	3/4	152,840	3/4	137,802	3/4	122,763	3/4	107,725	3/4	92,680
2	2	2	2	2	197,577	2	182,582	2	167,565	2	152,527	2	137,488	2	122,450	2	107,412	2	92,367
1/4		1/4	211,207	1/4	197,264	1/4	182,270	1/4	167,252	1/4	152,213	1/4	137,175	1/4	122,137	1/4	107,098	1/4	92,054
1/2		1/2	211,027	1/2	196,952	1/2	181,958	1/2	166,938	1/2	151,900	1/2	136,862	1/2	121,824	1/2	106,785	1/2	91,740
3/4		3/4	210,847	3/4	196,640	3/4	181,645	3/4	166,625	3/4	151,587	3/4	136,549	3/4	121,510	3/4	106,471	3/4	91,427
3	3	3	3	3	196,327	3	181,333	3	166,312	3	151,274	3	136,235	3	121,197	3	106,158	3	91,113
1/4		1/4	210,488	1/4	196,015	1/4	181,020	1/4	165,999	1/4	150,960	1/4	135,922	1/4	120,884	1/4	105,845	1/4	90,800
1/2		1/2	210,256	1/2	195,702	1/2	180,708	1/2	165,685	1/2	150,647	1/2	135,609	1/2	120,570	1/2	105,531	1/2	90,486
3/4		3/4	210,024	3/4	195,390	3/4	180,396	3/4	165,372	3/4	150,334	3/4	135,295	3/4	120,257	3/4	105,218	3/4	90,173
4	4	4	4	4	195,078	4	180,083	4	165,059	4	150,020	4	134,982	4	119,944	4	104,904	4	89,859
1/4		1/4	209,560	1/4	194,765	1/4	179,771	1/4	164,745	1/4	149,707	1/4	134,669	1/4	119,630	1/4	104,591	1/4	89,546
1/2		1/2	209,279	1/2	194,453	1/2	179,458	1/2	164,432	1/2	149,394	1/2	134,355	1/2	119,317	1/2	104,277	1/2	89,233
3/4		3/4	208,999	3/4	194,140	3/4	179,146	3/4	164,119	3/4	149,080	3/4	134,042	3/4	119,004	3/4	103,964	3/4	88,919
5	5	5	5	5	193,828	5	178,834	5	163,805	5	148,767	5	133,729	5	118,691	5	103,651	5	88,606
1/4		1/4	208,438	1/4	193,516	1/4	178,521	1/4	163,492	1/4	148,454	1/4	133,416	1/4	118,377	1/4	103,337	1/4	88,292
1/2		1/2	208,131	1/2	193,203	1/2	178,209	1/2	163,179	1/2	148,141	1/2	133,102	1/2	118,064	1/2	103,024	1/2	87,979
3/4		3/4	207,825	3/4	192,891	3/4	177,897	3/4	162,866	3/4	147,827	3/4	132,789	3/4	117,751	3/4	102,710	3/4	87,665
6	6	6	6	6	192,579	6	177,584	6	162,552	6	147,514	6	132,476	6	117,437	6	102,397	6	87,352
1/4		1/4	207,213	1/4	192,266	1/4	177,272	1/4	162,239	1/4	147,201	1/4	132,162	1/4	117,124	1/4	102,083	1/4	87,039
1/2		1/2	206,903	1/2	191,954	1/2	176,959	1/2	161,926	1/2	146,887	1/2	131,849	1/2	116,811	1/2	101,770	1/2	86,725
3/4		3/4	206,593	3/4	191,641	3/4	176,647	3/4	161,612	3/4	146,574	3/4	131,536	3/4	116,498	3/4	101,457	3/4	86,412
7	7	7	7	7	191,329	7	176,335	7	161,299	7	146,261	7	131,222	7	116,184	7	101,143	7	86,098
1/4		1/4	205,973	1/4	191,017	1/4	176,022	1/4	160,986	1/4	145,947	1/4	130,909	1/4	115,871	1/4	100,830	1/4	85,785
1/2		1/2	205,663	1/2	190,704	1/2	175,709	1/2	160,672	1/2	145,634	1/2	130,596	1/2	115,558	1/2	100,516	1/2	85,471
3/4		3/4	205,353	3/4	190,392	3/4	175,397	3/4	160,359	3/4	145,321	3/4	130,283	3/4	115,244	3/4	100,203	3/4	85,158
8	8	8	8	8	190,079	8	175,084	8	160,046	8	145,008	8	129,969	8	114,931	8	99,889	8	84,845
1/4		1/4	204,732	1/4	189,767	1/4	174,771	1/4	159,733	1/4	144,694	1/4	129,656	1/4	114,618	1/4	99,576	1/4	84,531
1/2		1/2	204,422	1/2	189,455	1/2	174,458	1/2	159,419	1/2	144,381	1/2	129,343	1/2	114,304	1/2	99,262	1/2	84,218
3/4		3/4	204,112	3/4	189,142	3/4	174,144	3/4	159,106	3/4	144,068	3/4	129,029	3/4	113,991	3/4	98,949	3/4	83,904
9	9	9	9	9	188,830	9	173,831	9	158,793	9	143,754	9	128,716	9	113,678	9	98,636	9	83,591
1/4		1/4	203,491	1/4	188,518	1/4	173,518	1/4	158,479	1/4	143,441	1/4	128,403	1/4	113,365	1/4	98,322	1/4	83,277
1/2		1/2	203,181	1/2	188,205	1/2	173,204	1/2	158,166	1/2	143,128	1/2	128,090	1/2	113,051	1/2	98,009	1/2	82,964
3/4		3/4	202,870	3/4	187,893	3/4	172,891	3/4	157,853	3/4	142,815	3/4	127,776	3/4	112,738	3/4	97,695	3/4	82,651
10	10	10	10	10	187,580	10	172,578	10	157,539	10	142,501	10	127,463	10	112,425	10	97,382	10	82,337
1/4		1/4	202,250	1/4	187,268	1/4	172,264	1/4	157,226	1/4	142,188	1/4	127,150	1/4	112,111	1/4	97,068	1/4	82,024
1/2		1/2	201,939	1/2	186,956	1/2	171,951	1/2	156,913	1/2	141,875	1/2	126,836	1/2	111,798	1/2	96,755	1/2	81,710
3/4		3/4	201,629	3/4	186,643	3/4	171,638	3/4	156,600	3/4	141,561	3/4	126,523	3/4	111,485	3/4	96,442	3/4	81,397
11	11	11	11	11	186,331	11	171,325	11	156,286	11	141,248	11	126,210	11	111,171	11	96,128	11	81,083
1/4		1/4	201,009	1/4	186,019	1/4	171,011	1/4	155,973	1/4	140,935	1/4	125,896	1/4	110,858	1/4	95,815	1/4	80,770
1/2		1/2	200,697	1/2	185,706	1/2	170,698	1/2	155,660	1/2	140,621	1/2	125,583	1/2	110,545	1/2	95,501	1/2	80,456
3/4		3/4	200,386	3/4	185,394	3/4	170,385	3/4	155,346	3/4	140,308	3/4	125,270	3/4	110,232	3/4	95,188	3/4	80,143

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO 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

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1 PORT ULLAGE 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	79,830	0	64,785	0	49,840	0	34,800	0	19,756	0	5,526	0		0		0		0	
1/4	79,516	1/4	64,472	1/4	49,528	1/4	34,487	1/4	19,443	1/4	5,251	1/4		1/4		1/4		1/4	
1/2	79,203	1/2	64,160	1/2	49,216	1/2	34,174	1/2	19,129	1/2	4,980	1/2		1/2		1/2		1/2	
3/4	78,889	3/4	63,848	3/4	48,903	3/4	33,860	3/4	18,816	3/4	4,709	3/4		3/4		3/4		3/4	
1	78,576	1	63,536	1	48,590	1	33,547	1	18,502	1	4,438	1		1		1		1	
1/4	78,262	1/4	63,223	1/4	48,278	1/4	33,233	1/4	18,189	1/4	4,167	1/4		1/4		1/4		1/4	
1/2	77,949	1/2	62,912	1/2	47,964	1/2	32,920	1/2	17,877	1/2	3,900	1/2		1/2		1/2		1/2	
3/4	77,636	3/4	62,601	3/4	47,651	3/4	32,606	3/4	17,564	3/4	3,633	3/4		3/4		3/4		3/4	
2	77,322	2	62,290	2	47,337	2	32,293	2	17,252	2	3,367	2		2		2		2	
1/4	77,009	1/4	61,978	1/4	47,024	1/4	31,980	1/4	16,939	1/4	3,100	1/4		1/4		1/4		1/4	
1/2	76,695	1/2	61,667	1/2	46,711	1/2	31,666	1/2	16,630	1/2	2,837	1/2		1/2		1/2		1/2	
3/4	76,382	3/4	61,356	3/4	46,397	3/4	31,353	3/4	16,320	3/4	2,575	3/4		3/4		3/4		3/4	
3	76,068	3	61,045	3	46,084	3	31,039	3	16,010	3	2,313	3		3		3		3	
1/4	75,755	1/4	60,734	1/4	45,770	1/4	30,726	1/4	15,701	1/4	2,051	1/4		1/4		1/4		1/4	
1/2	75,442	1/2	60,423	1/2	45,457	1/2	30,413	1/2	15,395	1/2	1,812	1/2		1/2		1/2		1/2	
3/4	75,128	3/4	60,112	3/4	45,143	3/4	30,099	3/4	15,089	3/4	1,573	3/4		3/4		3/4		3/4	
4	74,815	4	59,801	4	44,830	4	29,786	4	14,784	4	1,334	4		4		4		4	
1/4	74,501	1/4	59,490	1/4	44,517	1/4	29,472	1/4	14,478	1/4	1,094	1/4		1/4		1/4		1/4	
1/2	74,188	1/2	59,179	1/2	44,203	1/2	29,159	1/2	14,176	1/2	917	1/2		1/2		1/2		1/2	
3/4	73,874	3/4	58,868	3/4	43,890	3/4	28,845	3/4	13,874	3/4	740	3/4		3/4		3/4		3/4	
5	73,561	5	58,557	5	43,576	5	28,532	5	13,573	5	563	5		5		5		5	
1/4	73,248	1/4	58,246	1/4	43,263	1/4	28,219	1/4	13,271	1/4	386	1/4		1/4		1/4		1/4	
1/2	72,934	1/2	57,934	1/2	42,949	1/2	27,905	1/2	12,973	1/2		1/2		1/2		1/2		1/2	
3/4	72,621	3/4	57,623	3/4	42,636	3/4	27,592	3/4	12,675	3/4		3/4		3/4		3/4		3/4	
6	72,307	6	57,312	6	42,323	6	27,278	6	12,377	6		6		6		6		6	
1/4	71,994	1/4	57,001	1/4	42,009	1/4	26,965	1/4	12,079	1/4		1/4		1/4		1/4		1/4	
1/2	71,680	1/2	56,690	1/2	41,696	1/2	26,651	1/2	11,785	1/2		1/2		1/2		1/2		1/2	
3/4	71,367	3/4	56,379	3/4	41,382	3/4	26,338	3/4	11,490	3/4		3/4		3/4		3/4		3/4	
7	71,053	7	56,068	7	41,069	7	26,025	7	11,196	7		7		7		7		7	
1/4	70,740	1/4	55,757	1/4	40,756	1/4	25,711	1/4	10,902	1/4		1/4		1/4		1/4		1/4	
1/2	70,427	1/2	55,446	1/2	40,442	1/2	25,398	1/2	10,612	1/2		1/2		1/2		1/2		1/2	
3/4	70,113	3/4	55,135	3/4	40,129	3/4	25,084	3/4	10,322	3/4		3/4		3/4		3/4		3/4	
8	69,800	8	54,824	8	39,815	8	24,771	8	10,031	8		8		8		8		8	
1/4	69,486	1/4	54,513	1/4	39,502	1/4	24,457	1/4	9,741	1/4		1/4		1/4		1/4		1/4	
1/2	69,173	1/2	54,202	1/2	39,188	1/2	24,144	1/2	9,455	1/2		1/2		1/2		1/2		1/2	
3/4	68,859	3/4	53,891	3/4	38,875	3/4	23,831	3/4	9,168	3/4		3/4		3/4		3/4		3/4	
9	68,546	9	53,580	9	38,562	9	23,517	9	8,882	9		9		9		9		9	
1/4	68,233	1/4	53,269	1/4	38,248	1/4	23,204	1/4	8,595	1/4		1/4		1/4		1/4		1/4	
1/2	67,919	1/2	52,957	1/2	37,935	1/2	22,890	1/2	8,313	1/2		1/2		1/2		1/2		1/2	
3/4	67,606	3/4	52,646	3/4	37,621	3/4	22,577	3/4	8,030	3/4		3/4		3/4		3/4		3/4	
10	67,292	10	52,335	10	37,308	10	22,263	10	7,748	10		10		10		10		10	
1/4	66,979	1/4	52,023	1/4	36,994	1/4	21,950	1/4	7,465	1/4		1/4		1/4		1/4		1/4	
1/2	66,665	1/2	51,712	1/2	36,681	1/2	21,637	1/2	7,186	1/2		1/2		1/2		1/2		1/2	
3/4	66,352	3/4	51,400	3/4	36,368	3/4	21,323	3/4	6,908	3/4		3/4		3/4		3/4		3/4	
11	66,039	11	51,088	11	36,054	11	21,010	11	6,629	11		11		11		11		11	
1/4	65,725	1/4	50,776	1/4	35,741	1/4	20,696	1/4	6,350	1/4		1/4		1/4		1/4		1/4	
1/2	65,412	1/2	50,464	1/2	35,427	1/2	20,383	1/2	6,076	1/2		1/2		1/2		1/2		1/2	
3/4	65,099	3/4	50,152	3/4	35,114	3/4	20,070	3/4	5,801	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/03/2020 CL
CALCULATED: 02/04/2020 CL
PRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

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



BARGE "HSM 3038"

1 STBD ULLAGE 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	0	0	0	199,664	0	184,684	0	169,688	0	154,664	0	139,640	0	124,617	0	109,594	0	94,565	
1/4	1/4	1/4	1/4	199,352	1/4	184,372	1/4	169,375	1/4	154,351	1/4	139,327	1/4	124,304	1/4	109,281	1/4	94,251	
1/2	1/2	1/2	1/2	199,040	1/2	184,060	1/2	169,062	1/2	154,038	1/2	139,014	1/2	123,991	1/2	108,968	1/2	93,938	
3/4	3/4	3/4	3/4	198,728	3/4	183,748	3/4	168,749	3/4	153,725	3/4	138,701	3/4	123,678	3/4	108,655	3/4	93,625	
1	1	1	1	198,415	1	183,436	1	168,436	1	153,412	1	138,389	1	123,365	1	108,342	1	93,312	
1/4	1/4	1/4	1/4	198,103	1/4	183,124	1/4	168,123	1/4	153,099	1/4	138,076	1/4	123,052	1/4	108,029	1/4	92,999	
1/2	1/2	1/2	1/2	197,791	1/2	182,811	1/2	167,810	1/2	152,786	1/2	137,763	1/2	122,739	1/2	107,716	1/2	92,686	
3/4	3/4	3/4	3/4	197,479	3/4	182,499	3/4	167,497	3/4	152,473	3/4	137,450	3/4	122,426	3/4	107,403	3/4	92,373	
2	2	2	2	211,096	2	197,167	2	182,187	2	167,184	2	152,160	2	137,137	2	122,113	2	107,089	
1/4	1/4	1/4	1/4	210,916	1/4	196,855	1/4	181,875	1/4	166,871	1/4	151,847	1/4	136,824	1/4	121,800	1/4	106,776	
1/2	1/2	1/2	1/2	210,737	1/2	196,543	1/2	181,563	1/2	166,558	1/2	151,534	1/2	136,511	1/2	121,487	1/2	106,463	
3/4	3/4	3/4	3/4	210,557	3/4	196,231	3/4	181,251	3/4	166,245	3/4	151,221	3/4	136,198	3/4	121,174	3/4	106,150	
3	3	3	3	210,378	3	195,919	3	180,939	3	165,932	3	150,908	3	135,885	3	120,861	3	105,837	
1/4	1/4	1/4	1/4	210,146	1/4	195,607	1/4	180,627	1/4	165,619	1/4	150,595	1/4	135,572	1/4	120,548	1/4	90,494	
1/2	1/2	1/2	1/2	209,914	1/2	195,295	1/2	180,315	1/2	165,306	1/2	150,282	1/2	135,259	1/2	120,235	1/2	90,181	
3/4	3/4	3/4	3/4	209,682	3/4	194,983	3/4	180,003	3/4	164,993	3/4	149,969	3/4	134,946	3/4	119,922	3/4	89,868	
4	4	4	4	209,450	4	194,671	4	179,691	4	164,680	4	149,656	4	134,633	4	119,609	4	104,585	
1/4	1/4	1/4	1/4	209,170	1/4	194,358	1/4	179,379	1/4	164,367	1/4	149,343	1/4	134,320	1/4	119,296	1/4	89,242	
1/2	1/2	1/2	1/2	208,890	1/2	194,046	1/2	179,067	1/2	164,054	1/2	149,030	1/2	134,007	1/2	118,983	1/2	88,928	
3/4	3/4	3/4	3/4	208,610	3/4	193,734	3/4	178,754	3/4	163,741	3/4	148,717	3/4	133,694	3/4	118,670	3/4	88,615	
5	5	5	5	208,330	5	193,422	5	178,442	5	163,428	5	148,404	5	133,381	5	118,357	5	103,332	
1/4	1/4	1/4	1/4	208,024	1/4	193,110	1/4	178,130	1/4	163,115	1/4	148,091	1/4	133,068	1/4	118,044	1/4	87,989	
1/2	1/2	1/2	1/2	207,718	1/2	192,798	1/2	177,818	1/2	162,802	1/2	147,778	1/2	132,755	1/2	117,731	1/2	87,676	
3/4	3/4	3/4	3/4	207,412	3/4	192,486	3/4	177,506	3/4	162,489	3/4	147,465	3/4	132,442	3/4	117,418	3/4	87,363	
6	6	6	6	207,106	6	192,174	6	177,194	6	162,176	6	147,152	6	132,129	6	117,105	6	102,080	
1/4	1/4	1/4	1/4	206,797	1/4	191,862	1/4	176,882	1/4	161,863	1/4	146,839	1/4	131,816	1/4	116,792	1/4	86,737	
1/2	1/2	1/2	1/2	206,487	1/2	191,550	1/2	176,570	1/2	161,550	1/2	146,526	1/2	131,503	1/2	116,479	1/2	86,423	
3/4	3/4	3/4	3/4	206,177	3/4	191,238	3/4	176,258	3/4	161,237	3/4	146,213	3/4	131,190	3/4	116,166	3/4	86,110	
7	7	7	7	205,868	7	190,926	7	175,946	7	160,924	7	145,900	7	130,877	7	115,853	7	100,827	
1/4	1/4	1/4	1/4	205,558	1/4	190,613	1/4	175,633	1/4	160,611	1/4	145,587	1/4	130,564	1/4	115,540	1/4	85,484	
1/2	1/2	1/2	1/2	205,248	1/2	190,301	1/2	175,321	1/2	160,298	1/2	145,274	1/2	130,251	1/2	115,227	1/2	85,171	
3/4	3/4	3/4	3/4	204,938	3/4	189,989	3/4	175,008	3/4	159,985	3/4	144,961	3/4	129,938	3/4	114,914	3/4	84,858	
8	8	8	8	204,628	8	189,677	8	174,696	8	159,672	8	144,648	8	129,625	8	114,601	8	99,575	
1/4	1/4	1/4	1/4	204,318	1/4	189,365	1/4	174,383	1/4	159,359	1/4	144,335	1/4	129,312	1/4	114,288	1/4	84,232	
1/2	1/2	1/2	1/2	204,008	1/2	189,053	1/2	174,070	1/2	159,046	1/2	144,022	1/2	128,999	1/2	113,975	1/2	83,918	
3/4	3/4	3/4	3/4	203,698	3/4	188,741	3/4	173,757	3/4	158,733	3/4	143,709	3/4	128,686	3/4	113,662	3/4	83,605	
9	9	9	9	203,388	9	188,429	9	173,444	9	158,420	9	143,396	9	128,373	9	113,350	9	98,322	
1/4	1/4	1/4	1/4	203,078	1/4	188,117	1/4	173,131	1/4	158,107	1/4	143,083	1/4	128,060	1/4	113,037	1/4	82,979	
1/2	1/2	1/2	1/2	202,768	1/2	187,805	1/2	172,818	1/2	157,794	1/2	142,770	1/2	127,747	1/2	112,724	1/2	82,666	
3/4	3/4	3/4	3/4	202,458	3/4	187,493	3/4	172,505	3/4	157,481	3/4	142,457	3/4	127,434	3/4	112,411	3/4	82,353	
10	10	10	10	202,148	10	187,181	10	172,192	10	157,168	10	142,144	10	127,121	10	112,098	10	97,070	
1/4	1/4	1/4	1/4	201,838	1/4	186,869	1/4	171,879	1/4	156,855	1/4	141,831	1/4	126,808	1/4	111,785	1/4	81,727	
1/2	1/2	1/2	1/2	201,528	1/2	186,556	1/2	171,566	1/2	156,542	1/2	141,518	1/2	126,495	1/2	111,472	1/2	81,413	
3/4	3/4	3/4	3/4	201,218	3/4	186,244	3/4	171,253	3/4	156,229	3/4	141,205	3/4	126,182	3/4	111,159	3/4	81,100	
11	11	11	11	200,908	11	185,932	11	170,940	11	155,916	11	140,892	11	125,869	11	110,846	11	95,817	
1/4	1/4	1/4	1/4	200,597	1/4	185,620	1/4	170,627	1/4	155,603	1/4	140,579	1/4	125,556	1/4	110,533	1/4	80,474	
1/2	1/2	1/2	1/2	200,286	1/2	185,308	1/2	170,314	1/2	155,290	1/2	140,266	1/2	125,243	1/2	110,220	1/2	80,161	
3/4	3/4	3/4	3/4	199,975	3/4	184,996	3/4	170,001	3/4	154,977	3/4	139,953	3/4	124,930	3/4	109,907	3/4	79,848	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO 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 3038"

1 STBD ULLAGE 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	79,535	0	64,505	0	49,482	0	34,453	0	19,424	0	5,246	0		0		0		0	
1/4	79,222	1/4	64,192	1/4	49,169	1/4	34,140	1/4	19,110	1/4	4,975	1/4		1/4		1/4		1/4	
1/2	78,908	1/2	63,879	1/2	48,856	1/2	33,827	1/2	18,797	1/2	4,705	1/2		1/2		1/2		1/2	
3/4	78,595	3/4	63,565	3/4	48,543	3/4	33,514	3/4	18,484	3/4	4,434	3/4		3/4		3/4		3/4	
1	78,282	1	63,252	1	48,230	1	33,200	1	18,171	1	4,163	1		1		1		1	
1/4	77,969	1/4	62,939	1/4	47,917	1/4	32,887	1/4	17,859	1/4	3,897	1/4		1/4		1/4		1/4	
1/2	77,656	1/2	62,626	1/2	47,604	1/2	32,574	1/2	17,547	1/2	3,630	1/2		1/2		1/2		1/2	
3/4	77,343	3/4	62,313	3/4	47,291	3/4	32,261	3/4	17,235	3/4	3,363	3/4		3/4		3/4		3/4	
2	77,030	2	62,000	2	46,977	2	31,948	2	16,922	2	3,097	2		2		2		2	
1/4	76,717	1/4	61,687	1/4	46,664	1/4	31,635	1/4	16,613	1/4	2,835	1/4		1/4		1/4		1/4	
1/2	76,403	1/2	61,374	1/2	46,351	1/2	31,322	1/2	16,304	1/2	2,573	1/2		1/2		1/2		1/2	
3/4	76,090	3/4	61,061	3/4	46,038	3/4	31,009	3/4	15,995	3/4	2,311	3/4		3/4		3/4		3/4	
3	75,777	3	60,748	3	45,725	3	30,696	3	15,685	3	2,049	3		3		3		3	
1/4	75,464	1/4	60,435	1/4	45,412	1/4	30,382	1/4	15,380	1/4	1,810	1/4		1/4		1/4		1/4	
1/2	75,151	1/2	60,122	1/2	45,099	1/2	30,069	1/2	15,075	1/2	1,571	1/2		1/2		1/2		1/2	
3/4	74,838	3/4	59,810	3/4	44,786	3/4	29,756	3/4	14,769	3/4	1,332	3/4		3/4		3/4		3/4	
4	74,525	4	59,497	4	44,473	4	29,443	4	14,464	4	1,093	4		4		4		4	
1/4	74,212	1/4	59,184	1/4	44,159	1/4	29,130	1/4	14,162	1/4	917	1/4		1/4		1/4		1/4	
1/2	73,899	1/2	58,871	1/2	43,846	1/2	28,817	1/2	13,861	1/2	740	1/2		1/2		1/2		1/2	
3/4	73,585	3/4	58,558	3/4	43,533	3/4	28,504	3/4	13,559	3/4	563	3/4		3/4		3/4		3/4	
5	73,272	5	58,245	5	43,220	5	28,191	5	13,258	5	386	5		5		5		5	
1/4	72,959	1/4	57,932	1/4	42,907	1/4	27,878	1/4	12,960	1/4		1/4		1/4		1/4		1/4	
1/2	72,646	1/2	57,619	1/2	42,594	1/2	27,564	1/2	12,662	1/2		1/2		1/2		1/2		1/2	
3/4	72,333	3/4	57,306	3/4	42,281	3/4	27,251	3/4	12,365	3/4		3/4		3/4		3/4		3/4	
6	72,020	6	56,994	6	41,968	6	26,938	6	12,067	6		6		6		6		6	
1/4	71,707	1/4	56,681	1/4	41,655	1/4	26,625	1/4	11,773	1/4		1/4		1/4		1/4		1/4	
1/2	71,394	1/2	56,368	1/2	41,341	1/2	26,312	1/2	11,479	1/2		1/2		1/2		1/2		1/2	
3/4	71,080	3/4	56,055	3/4	41,028	3/4	25,999	3/4	11,185	3/4		3/4		3/4		3/4		3/4	
7	70,767	7	55,742	7	40,715	7	25,686	7	10,891	7		7		7		7		7	
1/4	70,454	1/4	55,429	1/4	40,402	1/4	25,373	1/4	10,601	1/4		1/4		1/4		1/4		1/4	
1/2	70,141	1/2	55,116	1/2	40,089	1/2	25,060	1/2	10,312	1/2		1/2		1/2		1/2		1/2	
3/4	69,828	3/4	54,803	3/4	39,776	3/4	24,746	3/4	10,022	3/4		3/4		3/4		3/4		3/4	
8	69,515	8	54,490	8	39,463	8	24,433	8	9,732	8		8		8		8		8	
1/4	69,202	1/4	54,178	1/4	39,150	1/4	24,120	1/4	9,445	1/4		1/4		1/4		1/4		1/4	
1/2	68,889	1/2	53,865	1/2	38,837	1/2	23,807	1/2	9,159	1/2		1/2		1/2		1/2		1/2	
3/4	68,575	3/4	53,552	3/4	38,523	3/4	23,494	3/4	8,873	3/4		3/4		3/4		3/4		3/4	
9	68,262	9	53,239	9	38,210	9	23,181	9	8,587	9		9		9		9		9	
1/4	67,949	1/4	52,926	1/4	37,897	1/4	22,868	1/4	8,305	1/4		1/4		1/4		1/4		1/4	
1/2	67,636	1/2	52,613	1/2	37,584	1/2	22,555	1/2	8,022	1/2		1/2		1/2		1/2		1/2	
3/4	67,323	3/4	52,300	3/4	37,271	3/4	22,242	3/4	7,740	3/4		3/4		3/4		3/4		3/4	
10	67,010	10	51,987	10	36,958	10	21,928	10	7,458	10		10		10		10		10	
1/4	66,697	1/4	51,674	1/4	36,645	1/4	21,615	1/4	7,179	1/4		1/4		1/4		1/4		1/4	
1/2	66,384	1/2	51,361	1/2	36,332	1/2	21,302	1/2	6,901	1/2		1/2		1/2		1/2		1/2	
3/4	66,070	3/4	51,048	3/4	36,019	3/4	20,989	3/4	6,623	3/4		3/4		3/4		3/4		3/4	
11	65,757	11	50,735	11	35,705	11	20,676	11	6,344	11		11		11		11		11	
1/4	65,444	1/4	50,422	1/4	35,392	1/4	20,363	1/4	6,070	1/4		1/4		1/4		1/4		1/4	
1/2	65,131	1/2	50,109	1/2	35,079	1/2	20,050	1/2	5,795	1/2		1/2		1/2		1/2		1/2	
3/4	64,818	3/4	49,795	3/4	34,766	3/4	19,737	3/4	5,521	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/03/2020 CL
CALCULATED: 02/04/2020 CL
PRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3038"

**2 PORT
ULLAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	0	201,886	0	186,872	0	171,839	0	156,773	0	141,706	0	126,640	0	111,573	0	96,501	
1/4	1/4	1/4	1/4	201,575	1/4	186,560	1/4	171,525	1/4	156,459	1/4	141,392	1/4	126,326	1/4	111,260	1/4	96,187	
1/2	1/2	1/2	1/2	201,262	1/2	186,247	1/2	171,211	1/2	156,145	1/2	141,078	1/2	126,012	1/2	110,946	1/2	95,872	
3/4	3/4	3/4	3/4	200,949	3/4	185,934	3/4	170,897	3/4	155,831	3/4	140,765	3/4	125,698	3/4	110,632	3/4	95,558	
1	1	1	1	200,636	1	185,621	1	170,584	1	155,517	1	140,451	1	125,384	1	110,318	1	95,244	
1/4	1/4	1/4	1/4	200,324	1/4	185,308	1/4	170,270	1/4	155,203	1/4	140,137	1/4	125,070	1/4	110,004	1/4	94,930	
1/2	1/2	1/2	1/2	200,011	1/2	184,995	1/2	169,956	1/2	154,889	1/2	139,823	1/2	124,757	1/2	109,690	1/2	94,616	
3/4	3/4	3/4	3/4	199,698	3/4	184,683	3/4	169,642	3/4	154,575	3/4	139,509	3/4	124,443	3/4	109,376	3/4	94,302	
2	2	2	2	199,385	2	184,370	2	169,328	2	154,262	2	139,195	2	124,129	2	109,062	2	93,988	
1/4	1/4	212,998	1/4	199,072	1/4	184,057	1/4	169,014	1/4	153,948	1/4	138,881	1/4	123,815	1/4	108,748	1/4	93,674	
1/2	1/2	212,819	1/2	198,759	1/2	183,744	1/2	168,700	1/2	153,634	1/2	138,567	1/2	123,501	1/2	108,434	1/2	93,360	
3/4	3/4	212,640	3/4	198,447	3/4	183,431	3/4	168,386	3/4	153,320	3/4	138,254	3/4	123,187	3/4	108,120	3/4	93,046	
3	3	212,461	3	198,134	3	183,119	3	168,072	3	153,006	3	137,940	3	122,873	3	107,806	3	92,732	
1/4	1/4	212,282	1/4	197,821	1/4	182,806	1/4	167,759	1/4	152,692	1/4	137,626	1/4	122,559	1/4	107,492	1/4	92,418	
1/2	1/2	212,051	1/2	197,508	1/2	182,493	1/2	167,445	1/2	152,378	1/2	137,312	1/2	122,245	1/2	107,178	1/2	92,104	
3/4	3/4	211,819	3/4	197,195	3/4	182,180	3/4	167,131	3/4	152,064	3/4	136,998	3/4	121,932	3/4	106,864	3/4	91,790	
4	4	211,588	4	196,883	4	181,867	4	166,817	4	151,750	4	136,684	4	121,618	4	106,550	4	91,476	
1/4	1/4	211,356	1/4	196,570	1/4	181,555	1/4	166,503	1/4	151,437	1/4	136,370	1/4	121,304	1/4	106,236	1/4	91,162	
1/2	1/2	211,077	1/2	196,257	1/2	181,242	1/2	166,189	1/2	151,123	1/2	136,056	1/2	120,990	1/2	105,922	1/2	90,848	
3/4	3/4	210,797	3/4	195,944	3/4	180,929	3/4	165,875	3/4	150,809	3/4	135,742	3/4	120,676	3/4	105,608	3/4	90,534	
5	5	210,517	5	195,631	5	180,616	5	165,561	5	150,495	5	135,429	5	120,362	5	105,294	5	90,220	
1/4	1/4	210,237	1/4	195,318	1/4	180,303	1/4	165,247	1/4	150,181	1/4	135,115	1/4	120,048	1/4	104,980	1/4	89,906	
1/2	1/2	209,931	1/2	195,006	1/2	179,990	1/2	164,934	1/2	149,867	1/2	134,801	1/2	119,734	1/2	104,666	1/2	89,592	
3/4	3/4	209,625	3/4	194,693	3/4	179,678	3/4	164,620	3/4	149,553	3/4	134,487	3/4	119,421	3/4	104,352	3/4	89,278	
6	6	209,320	6	194,380	6	179,365	6	164,306	6	149,239	6	134,173	6	119,107	6	104,038	6	88,964	
1/4	1/4	209,014	1/4	194,067	1/4	179,052	1/4	163,992	1/4	148,926	1/4	133,859	1/4	118,793	1/4	103,724	1/4	88,650	
1/2	1/2	208,705	1/2	193,754	1/2	178,739	1/2	163,678	1/2	148,612	1/2	133,545	1/2	118,479	1/2	103,409	1/2	88,335	
3/4	3/4	208,395	3/4	193,442	3/4	178,426	3/4	163,364	3/4	148,298	3/4	133,231	3/4	118,165	3/4	103,095	3/4	88,021	
7	7	208,086	7	193,129	7	178,114	7	163,050	7	147,984	7	132,917	7	117,851	7	102,781	7	87,707	
1/4	1/4	207,777	1/4	192,816	1/4	177,801	1/4	162,736	1/4	147,670	1/4	132,604	1/4	117,537	1/4	102,467	1/4	87,393	
1/2	1/2	207,467	1/2	192,503	1/2	177,487	1/2	162,423	1/2	147,356	1/2	132,290	1/2	117,223	1/2	102,153	1/2	87,079	
3/4	3/4	207,157	3/4	192,190	3/4	177,174	3/4	162,109	3/4	147,042	3/4	131,976	3/4	116,909	3/4	101,839	3/4	86,765	
8	8	206,847	8	191,877	8	176,861	8	161,795	8	146,728	8	131,662	8	116,596	8	101,525	8	86,451	
1/4	1/4	206,538	1/4	191,565	1/4	176,547	1/4	161,481	1/4	146,414	1/4	131,348	1/4	116,282	1/4	101,211	1/4	86,137	
1/2	1/2	206,228	1/2	191,252	1/2	176,233	1/2	161,167	1/2	146,101	1/2	131,034	1/2	115,968	1/2	100,897	1/2	85,823	
3/4	3/4	205,918	3/4	190,939	3/4	175,920	3/4	160,853	3/4	145,787	3/4	130,720	3/4	115,654	3/4	100,583	3/4	85,509	
9	9	205,608	9	190,626	9	175,606	9	160,539	9	145,473	9	130,406	9	115,340	9	100,269	9	85,195	
1/4	1/4	205,298	1/4	190,313	1/4	175,292	1/4	160,225	1/4	145,159	1/4	130,093	1/4	115,026	1/4	99,955	1/4	84,881	
1/2	1/2	204,988	1/2	190,001	1/2	174,978	1/2	159,911	1/2	144,845	1/2	129,779	1/2	114,712	1/2	99,641	1/2	84,567	
3/4	3/4	204,678	3/4	189,688	3/4	174,664	3/4	159,598	3/4	144,531	3/4	129,465	3/4	114,398	3/4	99,327	3/4	84,253	
10	10	204,369	10	189,375	10	174,350	10	159,284	10	144,217	10	129,151	10	114,084	10	99,013	10	83,939	
1/4	1/4	204,059	1/4	189,062	1/4	174,036	1/4	158,970	1/4	143,903	1/4	128,837	1/4	113,771	1/4	98,699	1/4	83,625	
1/2	1/2	203,749	1/2	188,749	1/2	173,722	1/2	158,656	1/2	143,590	1/2	128,523	1/2	113,457	1/2	98,385	1/2	83,311	
3/4	3/4	203,439	3/4	188,436	3/4	173,408	3/4	158,342	3/4	143,276	3/4	128,209	3/4	113,143	3/4	98,071	3/4	82,997	
11	11	203,130	11	188,124	11	173,095	11	158,028	11	142,962	11	127,895	11	112,829	11	97,757	11	82,683	
1/4	1/4	202,820	1/4	187,811	1/4	172,781	1/4	157,714	1/4	142,648	1/4	127,581	1/4	112,515	1/4	97,443	1/4	82,369	
1/2	1/2	202,509	1/2	187,498	1/2	172,467	1/2	157,400	1/2	142,334	1/2	127,268	1/2	112,201	1/2	97,129	1/2	82,055	
3/4	3/4	202,197	3/4	187,185	3/4	172,153	3/4	157,087	3/4	142,020	3/4	126,954	3/4	111,887	3/4	96,815	3/4	81,741	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO 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
<http://www.pmacorp.net>



BARGE "HSM 3038"

2 PORT ULLAGE 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	81,427	0	66,353	0	51,808	0	37,335	0	22,299	0	7,226	0		0		0		0	
1/4	81,113	1/4	66,039	1/4	51,506	1/4	37,033	1/4	21,985	1/4	6,912	1/4			1/4		1/4		1/4
1/2	80,799	1/2	65,730	1/2	51,204	1/2	36,725	1/2	21,671	1/2	6,598	1/2			1/2		1/2		1/2
3/4	80,484	3/4	65,422	3/4	50,902	3/4	36,417	3/4	21,357	3/4	6,284	3/4			3/4		3/4		3/4
1	80,170	1	65,114	1	50,600	1	36,109	1	21,043	1	5,970	1			1		1		1
1/4	79,856	1/4	64,806	1/4	50,299	1/4	35,800	1/4	20,729	1/4	5,656	1/4			1/4		1/4		1/4
1/2	79,542	1/2	64,504	1/2	49,997	1/2	35,486	1/2	20,415	1/2	5,342	1/2			1/2		1/2		1/2
3/4	79,228	3/4	64,201	3/4	49,695	3/4	35,172	3/4	20,101	3/4	5,028	3/4			3/4		3/4		3/4
2	78,914	2	63,899	2	49,394	2	34,858	2	19,787	2	4,715	2			2		2		2
1/4	78,600	1/4	63,597	1/4	49,092	1/4	34,544	1/4	19,473	1/4	4,401	1/4			1/4		1/4		1/4
1/2	78,286	1/2	63,295	1/2	48,791	1/2	34,230	1/2	19,159	1/2	4,088	1/2			1/2		1/2		1/2
3/4	77,972	3/4	62,992	3/4	48,489	3/4	33,916	3/4	18,845	3/4	3,775	3/4			3/4		3/4		3/4
3	77,658	3	62,690	3	48,188	3	33,602	3	18,531	3	3,462	3			3		3		3
1/4	77,344	1/4	62,388	1/4	47,886	1/4	33,288	1/4	18,217	1/4	3,149	1/4			1/4		1/4		1/4
1/2	77,030	1/2	62,086	1/2	47,585	1/2	32,974	1/2	17,903	1/2	2,855	1/2			1/2		1/2		1/2
3/4	76,716	3/4	61,783	3/4	47,284	3/4	32,660	3/4	17,589	3/4	2,561	3/4			3/4		3/4		3/4
4	76,402	4	61,481	4	46,983	4	32,346	4	17,275	4	2,268	4			4		4		4
1/4	76,088	1/4	61,179	1/4	46,681	1/4	32,032	1/4	16,961	1/4	1,974	1/4			1/4		1/4		1/4
1/2	75,774	1/2	60,876	1/2	46,380	1/2	31,718	1/2	16,647	1/2	1,739	1/2			1/2		1/2		1/2
3/4	75,460	3/4	60,574	3/4	46,079	3/4	31,404	3/4	16,333	3/4	1,503	3/4			3/4		3/4		3/4
5	75,146	5	60,272	5	45,777	5	31,090	5	16,019	5	1,268	5			5		5		5
1/4	74,832	1/4	59,970	1/4	45,476	1/4	30,776	1/4	15,705	1/4	1,032	1/4			1/4		1/4		1/4
1/2	74,518	1/2	59,667	1/2	45,175	1/2	30,462	1/2	15,391	1/2		1/2			1/2		1/2		1/2
3/4	74,204	3/4	59,365	3/4	44,873	3/4	30,148	3/4	15,077	3/4		3/4			3/4		3/4		3/4
6	73,890	6	59,063	6	44,572	6	29,834	6	14,763	6		6			6		6		6
1/4	73,576	1/4	58,761	1/4	44,271	1/4	29,520	1/4	14,449	1/4		1/4			1/4		1/4		1/4
1/2	73,262	1/2	58,458	1/2	43,969	1/2	29,206	1/2	14,135	1/2		1/2			1/2		1/2		1/2
3/4	72,947	3/4	58,156	3/4	43,668	3/4	28,892	3/4	13,821	3/4		3/4			3/4		3/4		3/4
7	72,633	7	57,854	7	43,367	7	28,579	7	13,507	7		7			7		7		7
1/4	72,319	1/4	57,552	1/4	43,065	1/4	28,265	1/4	13,193	1/4		1/4			1/4		1/4		1/4
1/2	72,005	1/2	57,249	1/2	42,764	1/2	27,951	1/2	12,878	1/2		1/2			1/2		1/2		1/2
3/4	71,691	3/4	56,947	3/4	42,463	3/4	27,637	3/4	12,564	3/4		3/4			3/4		3/4		3/4
8	71,377	8	56,645	8	42,161	8	27,323	8	12,250	8		8			8		8		8
1/4	71,063	1/4	56,342	1/4	41,860	1/4	27,010	1/4	11,936	1/4		1/4			1/4		1/4		1/4
1/2	70,749	1/2	56,040	1/2	41,559	1/2	26,696	1/2	11,622	1/2		1/2			1/2		1/2		1/2
3/4	70,435	3/4	55,738	3/4	41,257	3/4	26,382	3/4	11,308	3/4		3/4			3/4		3/4		3/4
9	70,121	9	55,436	9	40,956	9	26,068	9	10,994	9		9			9		9		9
1/4	69,807	1/4	55,133	1/4	40,655	1/4	25,754	1/4	10,680	1/4		1/4			1/4		1/4		1/4
1/2	69,493	1/2	54,831	1/2	40,353	1/2	25,440	1/2	10,366	1/2		1/2			1/2		1/2		1/2
3/4	69,179	3/4	54,529	3/4	40,052	3/4	25,126	3/4	10,052	3/4		3/4			3/4		3/4		3/4
10	68,865	10	54,227	10	39,751	10	24,812	10	9,738	10		10			10		10		10
1/4	68,551	1/4	53,924	1/4	39,449	1/4	24,498	1/4	9,424	1/4		1/4			1/4		1/4		1/4
1/2	68,237	1/2	53,622	1/2	39,147	1/2	24,184	1/2	9,110	1/2		1/2			1/2		1/2		1/2
3/4	67,923	3/4	53,320	3/4	38,846	3/4	23,870	3/4	8,796	3/4		3/4			3/4		3/4		3/4
11	67,609	11	53,018	11	38,544	11	23,556	11	8,482	11		11			11		11		11
1/4	67,295	1/4	52,715	1/4	38,242	1/4	23,242	1/4	8,168	1/4		1/4			1/4		1/4		1/4
1/2	66,981	1/2	52,413	1/2	37,940	1/2	22,927	1/2	7,854	1/2		1/2			1/2		1/2		1/2
3/4	66,667	3/4	52,111	3/4	37,638	3/4	22,613	3/4	7,540	3/4		3/4			3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/03/2020 CL
CALCULATED: 02/04/2020 CL
PRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3038"

2 STBD ULLAGE 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	0	0	0	0	202,492	0	187,469	0	172,427	0	157,353	0	142,279	0	127,205	0	112,132	0	97,051
1/4		1/4		1/4	202,179	1/4	187,156	1/4	172,112	1/4	157,039	1/4	141,965	1/4	126,891	1/4	111,818	1/4	96,737
1/2		1/2		1/2	201,866	1/2	186,843	1/2	171,798	1/2	156,725	1/2	141,651	1/2	126,577	1/2	111,504	1/2	96,423
3/4		3/4		3/4	201,553	3/4	186,530	3/4	171,484	3/4	156,411	3/4	141,337	3/4	126,263	3/4	111,190	3/4	96,109
1	1	1	1	1	201,240	1	186,217	1	171,170	1	156,097	1	141,023	1	125,949	1	110,875	1	95,794
1/4		1/4		1/4	200,927	1/4	185,904	1/4	170,856	1/4	155,783	1/4	140,709	1/4	125,635	1/4	110,561	1/4	95,480
1/2		1/2		1/2	200,614	1/2	185,592	1/2	170,542	1/2	155,469	1/2	140,395	1/2	125,321	1/2	110,247	1/2	95,166
3/4		3/4		3/4	214,234	3/4	200,301	3/4	185,279	3/4	170,228	3/4	155,155	3/4	140,081	3/4	125,007	3/4	94,852
2	2	2	2	2	214,055	2	199,988	2	184,966	2	169,914	2	154,841	2	139,767	2	124,693	2	94,538
1/4		1/4		1/4	213,875	1/4	199,675	1/4	184,653	1/4	169,600	1/4	154,526	1/4	139,453	1/4	124,379	1/4	94,223
1/2		1/2		1/2	213,696	1/2	199,362	1/2	184,340	1/2	169,286	1/2	154,212	1/2	139,139	1/2	124,065	1/2	93,909
3/4		3/4		3/4	213,517	3/4	199,049	3/4	184,027	3/4	168,972	3/4	153,898	3/4	138,825	3/4	123,751	3/4	93,595
3	3	3	3	3	213,286	3	198,736	3	183,714	3	168,658	3	153,584	3	138,511	3	123,437	3	93,281
1/4		1/4		1/4	213,054	1/4	198,423	1/4	183,401	1/4	168,344	1/4	153,270	1/4	138,197	1/4	123,123	1/4	92,967
1/2		1/2		1/2	212,823	1/2	198,110	1/2	183,088	1/2	168,030	1/2	152,956	1/2	137,883	1/2	122,809	1/2	92,652
3/4		3/4		3/4	212,591	3/4	197,797	3/4	182,775	3/4	167,716	3/4	152,642	3/4	137,569	3/4	122,495	3/4	92,338
4	4	4	4	4	212,311	4	197,484	4	182,462	4	167,402	4	152,328	4	137,255	4	122,181	4	92,024
1/4		1/4		1/4	212,031	1/4	197,171	1/4	182,149	1/4	167,088	1/4	152,014	1/4	136,940	1/4	121,867	1/4	91,710
1/2		1/2		1/2	211,751	1/2	196,858	1/2	181,836	1/2	166,774	1/2	151,700	1/2	136,626	1/2	121,553	1/2	91,396
3/4		3/4		3/4	211,471	3/4	196,545	3/4	181,523	3/4	166,460	3/4	151,386	3/4	136,312	3/4	121,239	3/4	91,082
5	5	5	5	5	211,165	5	196,232	5	181,210	5	166,146	5	151,072	5	135,998	5	120,925	5	90,767
1/4		1/4		1/4	210,859	1/4	195,920	1/4	180,897	1/4	165,832	1/4	150,758	1/4	135,684	1/4	120,611	1/4	90,453
1/2		1/2		1/2	210,554	1/2	195,607	1/2	180,584	1/2	165,518	1/2	150,444	1/2	135,370	1/2	120,297	1/2	90,139
3/4		3/4		3/4	210,248	3/4	195,294	3/4	180,271	3/4	165,204	3/4	150,130	3/4	135,056	3/4	119,983	3/4	89,825
6	6	6	6	6	209,938	6	194,981	6	179,958	6	164,890	6	149,816	6	134,742	6	119,669	6	89,511
1/4		1/4		1/4	209,629	1/4	194,668	1/4	179,645	1/4	164,576	1/4	149,502	1/4	134,428	1/4	119,355	1/4	89,196
1/2		1/2		1/2	209,319	1/2	194,355	1/2	179,332	1/2	164,262	1/2	149,188	1/2	134,114	1/2	119,040	1/2	88,882
3/4		3/4		3/4	209,010	3/4	194,042	3/4	179,019	3/4	163,948	3/4	148,874	3/4	133,800	3/4	118,726	3/4	88,568
7	7	7	7	7	208,700	7	193,729	7	178,706	7	163,634	7	148,560	7	133,486	7	118,412	7	88,254
1/4		1/4		1/4	208,390	1/4	193,416	1/4	178,392	1/4	163,319	1/4	148,246	1/4	133,172	1/4	118,098	1/4	87,940
1/2		1/2		1/2	208,080	1/2	193,103	1/2	178,079	1/2	163,005	1/2	147,932	1/2	132,858	1/2	117,784	1/2	87,625
3/4		3/4		3/4	207,770	3/4	192,790	3/4	177,765	3/4	162,691	3/4	147,618	3/4	132,544	3/4	117,470	3/4	87,311
8	8	8	8	8	207,460	8	192,477	8	177,451	8	162,377	8	147,304	8	132,230	8	117,156	8	86,997
1/4		1/4		1/4	207,150	1/4	192,164	1/4	177,137	1/4	162,063	1/4	146,990	1/4	131,916	1/4	116,842	1/4	86,683
1/2		1/2		1/2	206,840	1/2	191,851	1/2	176,823	1/2	161,749	1/2	146,676	1/2	131,602	1/2	116,528	1/2	86,369
3/4		3/4		3/4	206,530	3/4	191,538	3/4	176,509	3/4	161,435	3/4	146,362	3/4	131,288	3/4	116,214	3/4	86,054
9	9	9	9	9	206,220	9	191,225	9	176,195	9	161,121	9	146,048	9	130,974	9	115,900	9	85,740
1/4		1/4		1/4	205,910	1/4	190,912	1/4	175,881	1/4	160,807	1/4	145,733	1/4	130,660	1/4	115,586	1/4	85,426
1/2		1/2		1/2	205,600	1/2	190,599	1/2	175,567	1/2	160,493	1/2	145,419	1/2	130,346	1/2	115,272	1/2	85,112
3/4		3/4		3/4	205,290	3/4	190,286	3/4	175,253	3/4	160,179	3/4	145,105	3/4	130,032	3/4	114,958	3/4	84,798
10	10	10	10	10	204,980	10	189,973	10	174,939	10	159,865	10	144,791	10	129,718	10	114,644	10	84,483
1/4		1/4		1/4	204,670	1/4	189,660	1/4	174,625	1/4	159,551	1/4	144,477	1/4	129,404	1/4	114,330	1/4	84,169
1/2		1/2		1/2	204,360	1/2	189,347	1/2	174,311	1/2	159,237	1/2	144,163	1/2	129,090	1/2	114,016	1/2	83,855
3/4		3/4		3/4	204,051	3/4	189,034	3/4	173,997	3/4	158,923	3/4	143,849	3/4	128,776	3/4	113,702	3/4	83,541
11	11	11	11	11	203,739	11	188,721	11	173,683	11	158,609	11	143,535	11	128,462	11	113,388	11	83,227
1/4		1/4		1/4	203,428	1/4	188,408	1/4	173,369	1/4	158,295	1/4	143,221	1/4	128,147	1/4	113,074	1/4	82,913
1/2		1/2		1/2	203,116	1/2	188,095	1/2	173,055	1/2	157,981	1/2	142,907	1/2	127,833	1/2	112,760	1/2	82,598
3/4		3/4		3/4	202,805	3/4	187,782	3/4	172,741	3/4	157,667	3/4	142,593	3/4	127,519	3/4	112,446	3/4	82,284

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO 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
<http://www.pmacorp.net>





BARGE "HSM 3038"

2 STBD ULLAGE 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	81,970	0	66,889	0	51,808	0	36,762	0	21,683	0	6,601	0		0		0		0	
1/4	81,656	1/4	66,574	1/4	51,494	1/4	36,447	1/4	21,368	1/4	6,287	1/4		1/4		1/4		1/4	
1/2	81,342	1/2	66,260	1/2	51,180	1/2	36,133	1/2	21,054	1/2	5,973	1/2		1/2		1/2		1/2	
3/4	81,027	3/4	65,946	3/4	50,866	3/4	35,819	3/4	20,740	3/4	5,659	3/4		3/4		3/4		3/4	
1	80,713	1	65,632	1	50,553	1	35,505	1	20,426	1	5,345	1		1		1		1	
1/4	80,399	1/4	65,318	1/4	50,239	1/4	35,191	1/4	20,112	1/4	5,031	1/4		1/4		1/4		1/4	
1/2	80,085	1/2	65,003	1/2	49,926	1/2	34,876	1/2	19,797	1/2	4,717	1/2		1/2		1/2		1/2	
3/4	79,771	3/4	64,689	3/4	49,612	3/4	34,562	3/4	19,483	3/4	4,403	3/4		3/4		3/4		3/4	
2	79,456	2	64,375	2	49,299	2	34,248	2	19,169	2	4,090	2		2		2		2	
1/4	79,142	1/4	64,061	1/4	48,986	1/4	33,934	1/4	18,855	1/4	3,777	1/4		1/4		1/4		1/4	
1/2	78,828	1/2	63,747	1/2	48,672	1/2	33,620	1/2	18,541	1/2	3,464	1/2		1/2		1/2		1/2	
3/4	78,514	3/4	63,433	3/4	48,359	3/4	33,305	3/4	18,226	3/4	3,150	3/4		3/4		3/4		3/4	
3	78,200	3	63,118	3	48,046	3	32,991	3	17,912	3	2,857	3		3		3		3	
1/4	77,885	1/4	62,804	1/4	47,732	1/4	32,677	1/4	17,598	1/4	2,563	1/4		1/4		1/4		1/4	
1/2	77,571	1/2	62,490	1/2	47,419	1/2	32,363	1/2	17,284	1/2	2,269	1/2		1/2		1/2		1/2	
3/4	77,257	3/4	62,176	3/4	47,106	3/4	32,049	3/4	16,970	3/4	1,975	3/4		3/4		3/4		3/4	
4	76,943	4	61,862	4	46,792	4	31,734	4	16,656	4	1,740	4		4		4		4	
1/4	76,629	1/4	61,547	1/4	46,479	1/4	31,420	1/4	16,341	1/4	1,504	1/4		1/4		1/4		1/4	
1/2	76,314	1/2	61,233	1/2	46,166	1/2	31,106	1/2	16,027	1/2	1,268	1/2		1/2		1/2		1/2	
3/4	76,000	3/4	60,919	3/4	45,853	3/4	30,792	3/4	15,713	3/4	1,033	3/4		3/4		3/4		3/4	
5	75,686	5	60,605	5	45,539	5	30,478	5	15,399	5		5		5		5		5	
1/4	75,372	1/4	60,291	1/4	45,226	1/4	30,164	1/4	15,085	1/4		1/4		1/4		1/4		1/4	
1/2	75,058	1/2	59,976	1/2	44,913	1/2	29,850	1/2	14,770	1/2		1/2		1/2		1/2		1/2	
3/4	74,743	3/4	59,662	3/4	44,600	3/4	29,535	3/4	14,456	3/4		3/4		3/4		3/4		3/4	
6	74,429	6	59,348	6	44,286	6	29,221	6	14,142	6		6		6		6		6	
1/4	74,115	1/4	59,034	1/4	43,973	1/4	28,907	1/4	13,828	1/4		1/4		1/4		1/4		1/4	
1/2	73,801	1/2	58,720	1/2	43,660	1/2	28,593	1/2	13,514	1/2		1/2		1/2		1/2		1/2	
3/4	73,487	3/4	58,405	3/4	43,347	3/4	28,279	3/4	13,199	3/4		3/4		3/4		3/4		3/4	
7	73,173	7	58,091	7	43,033	7	27,966	7	12,885	7		7		7		7		7	
1/4	72,858	1/4	57,777	1/4	42,720	1/4	27,652	1/4	12,571	1/4		1/4		1/4		1/4		1/4	
1/2	72,544	1/2	57,463	1/2	42,407	1/2	27,338	1/2	12,257	1/2		1/2		1/2		1/2		1/2	
3/4	72,230	3/4	57,149	3/4	42,094	3/4	27,024	3/4	11,943	3/4		3/4		3/4		3/4		3/4	
8	71,916	8	56,834	8	41,780	8	26,709	8	11,628	8		8		8		8		8	
1/4	71,602	1/4	56,520	1/4	41,467	1/4	26,395	1/4	11,314	1/4		1/4		1/4		1/4		1/4	
1/2	71,287	1/2	56,206	1/2	41,154	1/2	26,081	1/2	11,000	1/2		1/2		1/2		1/2		1/2	
3/4	70,973	3/4	55,892	3/4	40,840	3/4	25,767	3/4	10,686	3/4		3/4		3/4		3/4		3/4	
9	70,659	9	55,578	9	40,527	9	25,453	9	10,372	9		9		9		9		9	
1/4	70,345	1/4	55,264	1/4	40,214	1/4	25,139	1/4	10,057	1/4		1/4		1/4		1/4		1/4	
1/2	70,031	1/2	54,949	1/2	39,901	1/2	24,825	1/2	9,743	1/2		1/2		1/2		1/2		1/2	
3/4	69,716	3/4	54,635	3/4	39,587	3/4	24,510	3/4	9,429	3/4		3/4		3/4		3/4		3/4	
10	69,402	10	54,321	10	39,274	10	24,196	10	9,115	10		10		10		10		10	
1/4	69,088	1/4	54,007	1/4	38,960	1/4	23,882	1/4	8,801	1/4		1/4		1/4		1/4		1/4	
1/2	68,774	1/2	53,693	1/2	38,646	1/2	23,568	1/2	8,487	1/2		1/2		1/2		1/2		1/2	
3/4	68,460	3/4	53,378	3/4	38,332	3/4	23,254	3/4	8,172	3/4		3/4		3/4		3/4		3/4	
11	68,145	11	53,064	11	38,018	11	22,939	11	7,858	11		11		11		11		11	
1/4	67,831	1/4	52,750	1/4	37,704	1/4	22,625	1/4	7,544	1/4		1/4		1/4		1/4		1/4	
1/2	67,517	1/2	52,436	1/2	37,390	1/2	22,311	1/2	7,230	1/2		1/2		1/2		1/2		1/2	
3/4	67,203	3/4	52,122	3/4	37,076	3/4	21,997	3/4	6,916	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/03/2020 CL
CALCULATED: 02/04/2020 CL
PRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3038"

3 PORT ULLAGE 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	81,069	0	66,157	0	51,423	0	36,847	0	21,878	0	6,883	0		0		0		0	
1/4	80,757	1/4	65,847	1/4	51,121	1/4	36,539	1/4	21,566	1/4	6,570	1/4		1/4		1/4		1/4	
1/2	80,445	1/2	65,537	1/2	50,818	1/2	36,231	1/2	21,253	1/2	6,258	1/2		1/2		1/2		1/2	
3/4	80,133	3/4	65,227	3/4	50,516	3/4	35,923	3/4	20,941	3/4	5,945	3/4		3/4		3/4		3/4	
1	79,821	1	64,916	1	50,213	1	35,615	1	20,629	1	5,633	1		1		1		1	
1/4	79,508	1/4	64,606	1/4	49,911	1/4	35,303	1/4	20,317	1/4	5,321	1/4		1/4		1/4		1/4	
1/2	79,196	1/2	64,296	1/2	49,609	1/2	34,991	1/2	20,004	1/2	5,008	1/2		1/2		1/2		1/2	
3/4	78,884	3/4	63,985	3/4	49,306	3/4	34,679	3/4	19,692	3/4	4,696	3/4		3/4		3/4		3/4	
2	78,572	2	63,675	2	49,004	2	34,368	2	19,380	2	4,383	2		2		2		2	
1/4	78,260	1/4	63,364	1/4	48,701	1/4	34,055	1/4	19,067	1/4	4,071	1/4		1/4		1/4		1/4	
1/2	77,949	1/2	63,053	1/2	48,399	1/2	33,743	1/2	18,755	1/2	3,760	1/2		1/2		1/2		1/2	
3/4	77,638	3/4	62,742	3/4	48,096	3/4	33,431	3/4	18,443	3/4	3,448	3/4		3/4		3/4		3/4	
3	77,327	3	62,431	3	47,794	3	33,118	3	18,131	3	3,136	3		3		3		3	
1/4	77,016	1/4	62,119	1/4	47,492	1/4	32,806	1/4	17,818	1/4	2,844	1/4		1/4		1/4		1/4	
1/2	76,706	1/2	61,807	1/2	47,190	1/2	32,494	1/2	17,506	1/2	2,551	1/2		1/2		1/2		1/2	
3/4	76,396	3/4	61,495	3/4	46,888	3/4	32,182	3/4	17,194	3/4	2,259	3/4		3/4		3/4		3/4	
4	76,086	4	61,183	4	46,586	4	31,869	4	16,881	4	1,966	4		4		4		4	
1/4	75,775	1/4	60,871	1/4	46,284	1/4	31,557	1/4	16,569	1/4	1,732	1/4		1/4		1/4		1/4	
1/2	75,465	1/2	60,559	1/2	45,983	1/2	31,245	1/2	16,257	1/2	1,497	1/2		1/2		1/2		1/2	
3/4	75,155	3/4	60,247	3/4	45,681	3/4	30,932	3/4	15,945	3/4	1,263	3/4		3/4		3/4		3/4	
5	74,845	5	59,936	5	45,379	5	30,620	5	15,632	5	1,028	5		5		5		5	
1/4	74,534	1/4	59,627	1/4	45,076	1/4	30,308	1/4	15,320	1/4		1/4		1/4		1/4		1/4	
1/2	74,224	1/2	59,318	1/2	44,773	1/2	29,996	1/2	15,008	1/2		1/2		1/2		1/2		1/2	
3/4	73,914	3/4	59,009	3/4	44,469	3/4	29,684	3/4	14,695	3/4		3/4		3/4		3/4		3/4	
6	73,604	6	58,700	6	44,166	6	29,371	6	14,383	6		6		6		6		6	
1/4	73,293	1/4	58,395	1/4	43,861	1/4	29,059	1/4	14,071	1/4		1/4		1/4		1/4		1/4	
1/2	72,983	1/2	58,089	1/2	43,556	1/2	28,747	1/2	13,759	1/2		1/2		1/2		1/2		1/2	
3/4	72,673	3/4	57,784	3/4	43,251	3/4	28,435	3/4	13,446	3/4		3/4		3/4		3/4		3/4	
7	72,363	7	57,478	7	42,946	7	28,123	7	13,134	7		7		7		7		7	
1/4	72,052	1/4	57,174	1/4	42,641	1/4	27,811	1/4	12,822	1/4		1/4		1/4		1/4		1/4	
1/2	71,742	1/2	56,870	1/2	42,336	1/2	27,499	1/2	12,509	1/2		1/2		1/2		1/2		1/2	
3/4	71,432	3/4	56,566	3/4	42,031	3/4	27,187	3/4	12,197	3/4		3/4		3/4		3/4		3/4	
8	71,121	8	56,262	8	41,726	8	26,874	8	11,885	8		8		8		8		8	
1/4	70,811	1/4	55,960	1/4	41,422	1/4	26,562	1/4	11,572	1/4		1/4		1/4		1/4		1/4	
1/2	70,501	1/2	55,657	1/2	41,117	1/2	26,250	1/2	11,260	1/2		1/2		1/2		1/2		1/2	
3/4	70,191	3/4	55,355	3/4	40,812	3/4	25,938	3/4	10,947	3/4		3/4		3/4		3/4		3/4	
9	69,880	9	55,052	9	40,507	9	25,626	9	10,635	9		9		9		9		9	
1/4	69,570	1/4	54,750	1/4	40,202	1/4	25,313	1/4	10,322	1/4		1/4		1/4		1/4		1/4	
1/2	69,260	1/2	54,447	1/2	39,897	1/2	25,001	1/2	10,009	1/2		1/2		1/2		1/2		1/2	
3/4	68,950	3/4	54,145	3/4	39,592	3/4	24,689	3/4	9,696	3/4		3/4		3/4		3/4		3/4	
10	68,639	10	53,843	10	39,287	10	24,376	10	9,384	10		10		10		10		10	
1/4	68,329	1/4	53,540	1/4	38,982	1/4	24,064	1/4	9,071	1/4		1/4		1/4		1/4		1/4	
1/2	68,019	1/2	53,238	1/2	38,677	1/2	23,752	1/2	8,758	1/2		1/2		1/2		1/2		1/2	
3/4	67,709	3/4	52,935	3/4	38,372	3/4	23,439	3/4	8,446	3/4		3/4		3/4		3/4		3/4	
11	67,398	11	52,633	11	38,067	11	23,127	11	8,133	11		11		11		11		11	
1/4	67,088	1/4	52,330	1/4	37,762	1/4	22,815	1/4	7,820	1/4		1/4		1/4		1/4		1/4	
1/2	66,778	1/2	52,028	1/2	37,457	1/2	22,503	1/2	7,508	1/2		1/2		1/2		1/2		1/2	
3/4	66,468	3/4	51,726	3/4	37,152	3/4	22,190	3/4	7,195	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/03/2020 CL
CALCULATED: 02/04/2020 CL
PRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

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



BARGE "HSM 3038"

3 STBD ULLAGE 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	81,982	0	66,960	0	51,937	0	36,930	0	21,911	0	6,888	0		0		0		0	
1/4	81,670	1/4	66,647	1/4	51,624	1/4	36,617	1/4	21,598	1/4	6,576	1/4		1/4		1/4		1/4	
1/2	81,357	1/2	66,334	1/2	51,311	1/2	36,305	1/2	21,285	1/2	6,263	1/2		1/2		1/2		1/2	
3/4	81,044	3/4	66,021	3/4	50,998	3/4	35,992	3/4	20,972	3/4	5,950	3/4		3/4		3/4		3/4	
1	80,731	1	65,708	1	50,685	1	35,680	1	20,659	1	5,637	1		1		1		1	
1/4	80,418	1/4	65,395	1/4	50,372	1/4	35,367	1/4	20,346	1/4	5,324	1/4		1/4		1/4		1/4	
1/2	80,105	1/2	65,082	1/2	50,060	1/2	35,054	1/2	20,033	1/2	5,011	1/2		1/2		1/2		1/2	
3/4	79,792	3/4	64,769	3/4	49,747	3/4	34,742	3/4	19,720	3/4	4,699	3/4		3/4		3/4		3/4	
2	79,479	2	64,456	2	49,434	2	34,429	2	19,407	2	4,386	2		2		2		2	
1/4	79,166	1/4	64,143	1/4	49,121	1/4	34,116	1/4	19,094	1/4	4,074	1/4		1/4		1/4		1/4	
1/2	78,853	1/2	63,830	1/2	48,808	1/2	33,803	1/2	18,781	1/2	3,762	1/2		1/2		1/2		1/2	
3/4	78,540	3/4	63,517	3/4	48,495	3/4	33,490	3/4	18,468	3/4	3,450	3/4		3/4		3/4		3/4	
3	78,227	3	63,204	3	48,182	3	33,177	3	18,155	3	3,138	3		3		3		3	
1/4	77,914	1/4	62,891	1/4	47,869	1/4	32,864	1/4	17,842	1/4	2,845	1/4		1/4		1/4		1/4	
1/2	77,601	1/2	62,578	1/2	47,556	1/2	32,551	1/2	17,529	1/2	2,553	1/2		1/2		1/2		1/2	
3/4	77,288	3/4	62,265	3/4	47,243	3/4	32,238	3/4	17,216	3/4	2,260	3/4		3/4		3/4		3/4	
4	76,975	4	61,952	4	46,930	4	31,925	4	16,903	4	1,967	4		4		4		4	
1/4	76,662	1/4	61,639	1/4	46,618	1/4	31,612	1/4	16,590	1/4	1,733	1/4		1/4		1/4		1/4	
1/2	76,349	1/2	61,326	1/2	46,305	1/2	31,299	1/2	16,277	1/2	1,498	1/2		1/2		1/2		1/2	
3/4	76,036	3/4	61,013	3/4	45,992	3/4	30,986	3/4	15,964	3/4	1,263	3/4		3/4		3/4		3/4	
5	75,723	5	60,700	5	45,680	5	30,673	5	15,651	5	1,029	5		5		5		5	
1/4	75,410	1/4	60,388	1/4	45,367	1/4	30,361	1/4	15,338	1/4		1/4		1/4		1/4		1/4	
1/2	75,097	1/2	60,075	1/2	45,054	1/2	30,048	1/2	15,025	1/2		1/2		1/2		1/2		1/2	
3/4	74,784	3/4	59,762	3/4	44,742	3/4	29,735	3/4	14,712	3/4		3/4		3/4		3/4		3/4	
6	74,471	6	59,449	6	44,429	6	29,422	6	14,400	6		6		6		6		6	
1/4	74,158	1/4	59,136	1/4	44,117	1/4	29,109	1/4	14,087	1/4		1/4		1/4		1/4		1/4	
1/2	73,845	1/2	58,823	1/2	43,804	1/2	28,796	1/2	13,774	1/2		1/2		1/2		1/2		1/2	
3/4	73,532	3/4	58,510	3/4	43,492	3/4	28,483	3/4	13,461	3/4		3/4		3/4		3/4		3/4	
7	73,219	7	58,197	7	43,179	7	28,170	7	13,148	7		7		7		7		7	
1/4	72,906	1/4	57,884	1/4	42,867	1/4	27,857	1/4	12,835	1/4		1/4		1/4		1/4		1/4	
1/2	72,593	1/2	57,571	1/2	42,554	1/2	27,544	1/2	12,522	1/2		1/2		1/2		1/2		1/2	
3/4	72,280	3/4	57,258	3/4	42,242	3/4	27,231	3/4	12,209	3/4		3/4		3/4		3/4		3/4	
8	71,967	8	56,945	8	41,929	8	26,918	8	11,896	8		8		8		8		8	
1/4	71,654	1/4	56,632	1/4	41,617	1/4	26,605	1/4	11,583	1/4		1/4		1/4		1/4		1/4	
1/2	71,341	1/2	56,319	1/2	41,304	1/2	26,292	1/2	11,270	1/2		1/2		1/2		1/2		1/2	
3/4	71,029	3/4	56,006	3/4	40,992	3/4	25,979	3/4	10,957	3/4		3/4		3/4		3/4		3/4	
9	70,716	9	55,693	9	40,679	9	25,666	9	10,644	9		9		9		9		9	
1/4	70,403	1/4	55,380	1/4	40,367	1/4	25,353	1/4	10,331	1/4		1/4		1/4		1/4		1/4	
1/2	70,090	1/2	55,067	1/2	40,055	1/2	25,040	1/2	10,018	1/2		1/2		1/2		1/2		1/2	
3/4	69,777	3/4	54,754	3/4	39,742	3/4	24,727	3/4	9,705	3/4		3/4		3/4		3/4		3/4	
10	69,464	10	54,441	10	39,430	10	24,414	10	9,392	10		10		10		10		10	
1/4	69,151	1/4	54,128	1/4	39,117	1/4	24,101	1/4	9,079	1/4		1/4		1/4		1/4		1/4	
1/2	68,838	1/2	53,815	1/2	38,805	1/2	23,788	1/2	8,766	1/2		1/2		1/2		1/2		1/2	
3/4	68,525	3/4	53,502	3/4	38,492	3/4	23,475	3/4	8,453	3/4		3/4		3/4		3/4		3/4	
11	68,212	11	53,189	11	38,180	11	23,162	11	8,140	11		11		11		11		11	
1/4	67,899	1/4	52,876	1/4	37,867	1/4	22,849	1/4	7,827	1/4		1/4		1/4		1/4		1/4	
1/2	67,586	1/2	52,563	1/2	37,555	1/2	22,536	1/2	7,514	1/2		1/2		1/2		1/2		1/2	
3/4	67,273	3/4	52,250	3/4	37,242	3/4	22,224	3/4	7,201	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/03/2020 CL
CALCULATED: 02/04/2020 CL
PRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

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



BARGE "HSM 3038"

PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	4,185	0	3,030	0	1,877	0	722	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	4,161	1/4	3,006	1/4	1,853	1/4	698	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	4,137	1/2	2,982	1/2	1,829	1/2	674	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	4,113	3/4	2,958	3/4	1,804	3/4	650	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1	1	1	4,089	1	2,934	1	1,780	1	626	1	0	1	0	1	0	1	0	1	0
1/4	1/4	1/4	4,065	1/4	2,910	1/4	1,756	1/4	602	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	5,140	1/2	4,041	1/2	2,886	1/2	1,732	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	5,128	3/4	4,017	3/4	2,862	3/4	1,708	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
2	2	2	5,117	2	3,993	2	2,838	2	1,684	2	0	2	0	2	0	2	0	2	0
1/4	1/4	1/4	5,105	1/4	3,969	1/4	2,814	1/4	1,660	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	5,093	1/2	3,945	1/2	2,790	1/2	1,636	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	5,070	3/4	3,921	3/4	2,766	3/4	1,612	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
3	3	3	5,046	3	3,897	3	2,742	3	1,588	3	0	3	0	3	0	3	0	3	0
1/4	1/4	1/4	5,023	1/4	3,873	1/4	2,718	1/4	1,564	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	4,999	1/2	3,849	1/2	2,693	1/2	1,540	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	4,975	3/4	3,824	3/4	2,669	3/4	1,516	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
4	4	4	4,952	4	3,800	4	2,645	4	1,492	4	0	4	0	4	0	4	0	4	0
1/4	1/4	1/4	4,928	1/4	3,776	1/4	2,621	1/4	1,468	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	4,904	1/2	3,752	1/2	2,597	1/2	1,444	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	4,881	3/4	3,728	3/4	2,573	3/4	1,419	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
5	5	5	4,857	5	3,704	5	2,550	5	1,395	5	0	5	0	5	0	5	0	5	0
1/4	1/4	1/4	4,833	1/4	3,680	1/4	2,526	1/4	1,371	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	4,810	1/2	3,656	1/2	2,502	1/2	1,347	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	4,786	3/4	3,632	3/4	2,478	3/4	1,323	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
6	6	6	4,762	6	3,608	6	2,454	6	1,299	6	0	6	0	6	0	6	0	6	0
1/4	1/4	1/4	4,739	1/4	3,584	1/4	2,430	1/4	1,275	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	4,715	1/2	3,560	1/2	2,406	1/2	1,251	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	4,691	3/4	3,536	3/4	2,382	3/4	1,227	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
7	7	7	4,667	7	3,512	7	2,358	7	1,203	7	0	7	0	7	0	7	0	7	0
1/4	1/4	1/4	4,643	1/4	3,488	1/4	2,334	1/4	1,179	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	4,619	1/2	3,464	1/2	2,310	1/2	1,155	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	4,594	3/4	3,439	3/4	2,286	3/4	1,131	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
8	8	8	4,570	8	3,415	8	2,262	8	1,107	8	0	8	0	8	0	8	0	8	0
1/4	1/4	1/4	4,546	1/4	3,391	1/4	2,238	1/4	1,083	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	4,522	1/2	3,367	1/2	2,214	1/2	1,059	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	4,498	3/4	3,343	3/4	2,189	3/4	1,035	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
9	9	9	4,474	9	3,319	9	2,165	9	1,011	9	0	9	0	9	0	9	0	9	0
1/4	1/4	1/4	4,450	1/4	3,295	1/4	2,141	1/4	987	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	4,426	1/2	3,271	1/2	2,117	1/2	962	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	4,402	3/4	3,247	3/4	2,093	3/4	938	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
10	10	10	4,378	10	3,223	10	2,069	10	914	10	0	10	0	10	0	10	0	10	0
1/4	1/4	1/4	4,354	1/4	3,199	1/4	2,045	1/4	890	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	4,330	1/2	3,175	1/2	2,021	1/2	866	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	4,306	3/4	3,151	3/4	1,997	3/4	842	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
11	11	11	4,282	11	3,127	11	1,973	11	818	11	0	11	0	11	0	11	0	11	0
1/4	1/4	1/4	4,258	1/4	3,103	1/4	1,949	1/4	794	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1/2	1/2	4,234	1/2	3,078	1/2	1,925	1/2	770	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	3/4	3/4	4,209	3/4	3,054	3/4	1,901	3/4	746	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0

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 AT GAUGE POINT

STRAPPED: 02/03/2020 CL
CALCULATED: 02/04/2020 CL
PRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

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



BARGE "HSM 3038"

STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 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	4,209	0	3,054	0	1,901	0	746	0		0		0		0	
1/4	1/4	1/4	1/4	1/4	4,185	1/4	3,030	1/4	1,877	1/4	722	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,161	1/2	3,006	1/2	1,853	1/2	698	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,137	3/4	2,982	3/4	1,829	3/4	674	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1		1		1	4,113	1	2,958	1	1,804	1	650	1		1		1		1	
1/4	1/4	1/4	1/4	1/4	4,089	1/4	2,934	1/4	1,780	1/4	626	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,065	1/2	2,910	1/2	1,756	1/2	602	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	5,140	3/4	4,041	3/4	2,886	3/4	577	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2		2		2	4,017	2	2,862	2	1,708	2	553	2		2		2		2	
1/4	1/4	1/4	1/4	1/4	5,117	1/4	3,993	1/4	2,838	1/4	529	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	5,105	1/2	3,969	1/2	2,814	1/2	505	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	5,093	3/4	3,945	3/4	2,790	3/4	481	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3		3		3	5,070	3	3,921	3	2,766	3	457	3		3		3		3	
1/4	1/4	1/4	1/4	1/4	5,046	1/4	3,897	1/4	2,742	1/4	433	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	5,023	1/2	3,873	1/2	2,718	1/2	409	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,999	3/4	3,849	3/4	2,693	3/4	385	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4		4		4	4,975	4	3,824	4	2,669	4	361	4		4		4		4	
1/4	1/4	1/4	1/4	1/4	4,952	1/4	3,800	1/4	2,645	1/4	337	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,928	1/2	3,776	1/2	2,621	1/2	313	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,904	3/4	3,752	3/4	2,597	3/4	289	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5		5		5	4,881	5	3,728	5	2,573	5	265	5		5		5		5	
1/4	1/4	1/4	1/4	1/4	4,857	1/4	3,704	1/4	2,550	1/4	241	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,833	1/2	3,680	1/2	2,526	1/2	217	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,810	3/4	3,656	3/4	2,502	3/4	192	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6		6		6	4,786	6	3,632	6	2,478	6	168	6		6		6		6	
1/4	1/4	1/4	1/4	1/4	4,762	1/4	3,608	1/4	2,454	1/4	144	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,739	1/2	3,584	1/2	2,430	1/2	120	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,715	3/4	3,560	3/4	2,406	3/4	96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7		7		7	4,691	7	3,536	7	2,382	7	122	7		7		7		7	
1/4	1/4	1/4	1/4	1/4	4,667	1/4	3,512	1/4	2,358	1/4	120	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,643	1/2	3,488	1/2	2,334	1/2	119	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,619	3/4	3,464	3/4	2,310	3/4	115	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8		8		8	4,594	8	3,439	8	2,286	8	113	8		8		8		8	
1/4	1/4	1/4	1/4	1/4	4,570	1/4	3,415	1/4	2,262	1/4	110	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,546	1/2	3,391	1/2	2,238	1/2	108	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,522	3/4	3,367	3/4	2,214	3/4	105	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9		9		9	4,498	9	3,343	9	2,189	9	103	9		9		9		9	
1/4	1/4	1/4	1/4	1/4	4,474	1/4	3,319	1/4	2,165	1/4	101	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,450	1/2	3,295	1/2	2,141	1/2	98	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,426	3/4	3,271	3/4	2,117	3/4	96	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10		10		10	4,402	10	3,247	10	2,093	10	93	10		10		10		10	
1/4	1/4	1/4	1/4	1/4	4,378	1/4	3,223	1/4	2,069	1/4	91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,354	1/2	3,199	1/2	2,045	1/2	89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,330	3/4	3,175	3/4	2,021	3/4	86	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11		11		11	4,306	11	3,151	11	1,997	11	84	11		11		11		11	
1/4	1/4	1/4	1/4	1/4	4,282	1/4	3,127	1/4	1,973	1/4	81	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,258	1/2	3,103	1/2	1,949	1/2	79	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,234	3/4	3,078	3/4	1,925	3/4	77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT

STRAPPED: 02/03/2020 CL
CALCULATED: 02/04/2020 CL
PRINTED: 02/05/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2020

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