



BARGE "MPC 303"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4
1 STBD	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-0/8	- 01-0/8	01-1/4	- 01-1/4
2 PORT	00-1/4	00-1/4	00-5/8	00-5/8	00-7/8	00-7/8	01-1/8	01-1/8	01-1/2	01-1/2	01-3/4	01-3/4
2 STBD	00-1/4	00-1/4	00-5/8	00-5/8	00-7/8	00-7/8	01-1/8	01-1/8	01-1/2	01-1/2	01-3/4	01-3/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-3/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 134'-00"

July 26, 2014

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MPC 303"

1 PORT
INNAGE TABLE

CAPACITIES IN WHOLE GALLONS

FORMERLY "HFL 303"

GAUGE HEIGHT 15'-10"

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
0	635	0	11,630	0	23,037	0	34,384	0	45,757	0	57,164	0	68,571	0	79,978	0	91,383	0
1/4	799	1/4	11,868	1/4	23,275	1/4	34,619	1/4	45,994	1/4	57,401	1/4	68,808	1/4	80,215	1/4	91,620	1/4
1/2	962	1/2	12,106	1/2	23,512	1/2	34,856	1/2	46,232	1/2	57,639	1/2	69,046	1/2	80,453	1/2	91,858	1/2
3/4	1,125	3/4	12,343	3/4	23,750	3/4	35,090	3/4	46,470	3/4	57,877	3/4	69,284	3/4	80,691	3/4	92,095	3/4
1	1,289	1	12,581	1	23,988	1	35,326	1	46,707	1	58,114	1	69,521	1	80,928	1	92,333	1
1 1/4	1,503	1 1/4	12,819	1 1/4	24,225	1 1/4	35,562	1 1/4	46,945	1 1/4	58,352	1 1/4	69,759	1 1/4	81,166	1 1/4	92,570	1 1/4
1 1/2	1,718	1 1/2	13,056	1 1/2	24,463	1 1/2	35,798	1 1/2	47,183	1 1/2	58,590	1 1/2	69,997	1 1/2	81,404	1 1/2	92,808	1 1/2
3/4	1,932	3/4	13,294	3/4	24,701	3/4	36,034	3/4	47,420	3/4	58,826	3/4	70,234	3/4	81,641	3/4	93,045	3/4
2	2,147	2	13,532	2	24,938	2	36,269	2	47,658	2	59,065	2	70,472	2	81,879	2	93,283	2
1 1/4	2,362	1 1/4	13,769	1 1/4	25,176	1 1/4	36,506	1 1/4	47,895	1 1/4	59,302	1 1/4	70,709	1 1/4	82,116	1 1/4	93,520	1 1/4
1 1/2	2,617	1 1/2	14,007	1 1/2	25,413	1 1/2	36,742	1 1/2	48,133	1 1/2	59,540	1 1/2	70,947	1 1/2	82,354	1 1/2	93,758	1 1/2
3/4	2,862	3/4	14,244	3/4	25,651	3/4	36,979	3/4	48,371	3/4	59,778	3/4	71,185	3/4	82,592	3/4	93,995	3/4
3	3,087	3	14,482	3	25,889	3	37,215	3	48,608	3	60,015	3	71,422	3	82,829	3	94,233	3
1 1/4	3,323	1 1/4	14,720	1 1/4	26,126	1 1/4	37,451	1 1/4	48,846	1 1/4	60,253	1 1/4	71,660	1 1/4	83,067	1 1/4	94,471	1 1/4
1 1/2	3,559	1 1/2	14,957	1 1/2	26,364	1 1/2	37,688	1 1/2	49,084	1 1/2	60,491	1 1/2	71,898	1 1/2	83,305	1 1/2	94,708	1 1/2
3/4	3,795	3/4	15,195	3/4	26,601	3/4	37,924	3/4	49,321	3/4	60,728	3/4	72,135	3/4	83,542	3/4	94,946	3/4
4	4,031	4	15,433	4	26,839	4	38,161	4	49,559	4	60,966	4	72,373	4	83,780	4	95,183	4
1 1/4	4,268	1 1/4	15,670	1 1/4	27,075	1 1/4	38,397	1 1/4	49,797	1 1/4	61,204	1 1/4	72,611	1 1/4	84,018	1 1/4	95,421	1 1/4
1 1/2	4,505	1 1/2	15,908	1 1/2	27,312	1 1/2	38,633	1 1/2	50,034	1 1/2	61,441	1 1/2	72,848	1 1/2	84,255	1 1/2	95,658	1 1/2
3/4	4,742	3/4	16,146	3/4	27,549	3/4	38,870	3/4	50,272	3/4	61,679	3/4	73,086	3/4	84,493	3/4	95,896	3/4
5	4,979	5	16,383	5	27,786	5	39,106	5	50,510	5	61,917	5	73,324	5	84,731	5	96,133	5
1 1/4	5,216	1 1/4	16,621	1 1/4	28,023	1 1/4	39,343	1 1/4	50,747	1 1/4	62,154	1 1/4	73,561	1 1/4	84,968	1 1/4	96,371	1 1/4
1 1/2	5,453	1 1/2	16,858	1 1/2	28,259	1 1/2	39,580	1 1/2	50,985	1 1/2	62,392	1 1/2	73,799	1 1/2	85,206	1 1/2	96,608	1 1/2
3/4	5,690	3/4	17,096	3/4	28,495	3/4	39,816	3/4	51,222	3/4	62,630	3/4	74,037	3/4	85,444	3/4	96,846	3/4
6	5,928	6	17,334	6	28,732	6	40,053	6	51,460	6	62,867	6	74,274	6	85,681	6	97,083	6
1 1/4	6,165	1 1/4	17,571	1 1/4	28,967	1 1/4	40,291	1 1/4	51,698	1 1/4	63,105	1 1/4	74,512	1 1/4	85,919	1 1/4	97,321	1 1/4
1 1/2	6,403	1 1/2	17,809	1 1/2	29,203	1 1/2	40,528	1 1/2	51,935	1 1/2	63,342	1 1/2	74,749	1 1/2	86,156	1 1/2	97,558	1 1/2
3/4	6,640	3/4	18,047	3/4	29,438	3/4	40,766	3/4	52,173	3/4	63,580	3/4	74,987	3/4	86,394	3/4	97,796	3/4
7	6,878	7	18,284	7	29,674	7	41,004	7	52,411	7	63,818	7	75,225	7	86,632	7	98,033	7
1 1/4	7,115	1 1/4	18,522	1 1/4	29,909	1 1/4	41,241	1 1/4	52,648	1 1/4	64,055	1 1/4	75,462	1 1/4	86,869	1 1/4	98,271	1 1/4
1 1/2	7,353	1 1/2	18,760	1 1/2	30,145	1 1/2	41,479	1 1/2	52,886	1 1/2	64,293	1 1/2	75,700	1 1/2	87,107	1 1/2	98,508	1 1/2
3/4	7,591	3/4	18,997	3/4	30,380	3/4	41,717	3/4	53,124	3/4	64,531	3/4	75,938	3/4	87,345	3/4	98,746	3/4
8	7,828	8	19,235	8	30,616	8	41,954	8	53,361	8	64,768	8	76,175	8	87,582	8	98,983	8
1 1/4	8,066	1 1/4	19,473	1 1/4	30,851	1 1/4	42,192	1 1/4	53,599	1 1/4	65,006	1 1/4	76,413	1 1/4	87,820	1 1/4	99,221	1 1/4
1 1/2	8,304	1 1/2	19,710	1 1/2	31,087	1 1/2	42,430	1 1/2	53,837	1 1/2	65,244	1 1/2	76,651	1 1/2	88,058	1 1/2	99,458	1 1/2
3/4	8,541	3/4	19,948	3/4	31,322	3/4	42,667	3/4	54,074	3/4	65,481	3/4	76,888	3/4	88,295	3/4	99,696	3/4
9	8,779	9	20,185	9	31,558	9	42,905	9	54,312	9	65,719	9	77,126	9	88,533	9	99,933	9
1 1/4	9,016	1 1/4	20,423	1 1/4	31,793	1 1/4	43,143	1 1/4	54,550	1 1/4	65,957	1 1/4	77,364	1 1/4	88,770	1 1/4	100,171	1 1/4
1 1/2	9,254	1 1/2	20,661	1 1/2	32,029	1 1/2	43,380	1 1/2	54,787	1 1/2	66,194	1 1/2	77,601	1 1/2	89,008	1 1/2	100,408	1 1/2
3/4	9,492	3/4	20,898	3/4	32,264	3/4	43,618	3/4	55,025	3/4	66,432	3/4	77,839	3/4	89,245	3/4	100,646	3/4
10	9,729	10	21,136	10	32,500	10	43,855	10	55,262	10	66,669	10	78,076	10	89,483	10	100,883	10
1 1/4	9,967	1 1/4	21,374	1 1/4	32,735	1 1/4	44,093	1 1/4	55,500	1 1/4	66,907	1 1/4	78,314	1 1/4	89,720	1 1/4	101,121	1 1/4
1 1/2	10,205	1 1/2	21,611	1 1/2	32,971	1 1/2	44,331	1 1/2	55,738	1 1/2	67,145	1 1/2	78,552	1 1/2	89,958	1 1/2	101,359	1 1/2
3/4	10,442	3/4	21,849	3/4	33,206	3/4	44,568	3/4	55,975	3/4	67,382	3/4	78,789	3/4	90,195	3/4	101,596	3/4
11	10,680	11	22,087	11	33,442	11	44,806	11	56,213	11	67,620	11	79,027	11	90,433	11	101,833	11
1 1/4	10,918	1 1/4	22,324	1 1/4	33,677	1 1/4	45,044	1 1/4	56,451	1 1/4	67,858	1 1/4	79,265	1 1/4	90,670	1 1/4	102,071	1 1/4
1 1/2	11,155	1 1/2	22,562	1 1/2	33,913	1 1/2	45,281	1 1/2	56,688	1 1/2	68,095	1 1/2	79,502	1 1/2	90,908	1 1/2	102,308	1 1/2
3/4	11,393	3/4	22,799	3/4	34,148	3/4	45,519	3/4	56,926	3/4	68,333	3/4	79,740	3/4	91,145	3/4	102,546	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77568
<http://www.pmatcorp.net>



BARGE "MPC 303"

1 PORT
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HPL 303"

GAUGE HEIGHT 15'-10"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	114,184	1/4	125,584	1/4	136,926	1/4	148,264	1/4	159,523	1/4	170,751	1/4	181,951	1/4	193,126	1/4	204,276	1/4	215,401
1/2	114,421	1/2	126,059	1/2	137,398	1/2	148,736	1/2	159,978	1/2	171,205	1/2	182,417	1/2	193,614	1/2	204,796	1/2	215,963
3/4	114,659	3/4	126,296	3/4	137,635	3/4	148,972	3/4	160,205	3/4	171,427	3/4	182,637	3/4	193,834	3/4	205,016	3/4	216,183
1	115,134	1	126,533	1	137,871	1	149,209	1	160,433	1	171,647	1	182,851	1	194,044	1	205,227	1	216,400
1/4	115,371	1/4	126,769	1/4	138,107	1/4	149,445	1/4	160,681	1/4	171,905	1/4	183,119	1/4	194,323	1/4	205,517	1/4	216,701
1/2	115,609	1/2	127,005	1/2	138,343	1/2	149,681	1/2	160,917	1/2	172,141	1/2	183,355	1/2	194,559	1/2	205,753	1/2	216,937
3/4	115,846	3/4	127,242	3/4	138,579	3/4	149,917	3/4	161,151	3/4	172,375	3/4	183,589	3/4	194,793	3/4	205,987	3/4	217,171
2	116,084	2	127,478	2	138,816	2	150,154	2	161,389	2	172,613	2	183,827	2	195,031	2	206,225	2	217,409
1/4	116,321	1/4	127,714	1/4	139,052	1/4	150,391	1/4	161,617	1/4	172,841	1/4	184,055	1/4	195,269	1/4	206,463	1/4	217,647
1/2	116,559	1/2	127,950	1/2	139,288	1/2	150,625	1/2	161,852	1/2	173,076	1/2	184,290	1/2	195,497	1/2	206,691	1/2	217,885
3/4	116,796	3/4	128,186	3/4	139,524	3/4	150,861	3/4	162,089	3/4	173,313	3/4	184,527	3/4	195,735	3/4	206,923	3/4	218,123
3	117,034	3	128,423	3	139,760	3	151,097	3	162,326	3	173,550	3	184,764	3	195,972	3	207,160	3	218,361
1/4	117,271	1/4	128,659	1/4	139,997	1/4	151,331	1/4	162,563	1/4	173,787	1/4	184,999	1/4	196,209	1/4	207,407	1/4	218,600
1/2	117,509	1/2	128,895	1/2	140,233	1/2	151,565	1/2	162,795	1/2	174,021	1/2	185,237	1/2	196,447	1/2	207,645	1/2	218,838
3/4	117,746	3/4	129,131	3/4	140,469	3/4	151,800	3/4	163,031	3/4	174,257	3/4	185,473	3/4	196,683	3/4	207,887	3/4	219,076
4	117,984	4	129,367	4	140,705	4	152,034	4	163,267	4	174,491	4	185,707	4	196,917	4	208,121	4	219,314
1/4	118,221	1/4	129,604	1/4	140,942	1/4	152,269	1/4	163,504	1/4	174,728	1/4	185,944	1/4	197,155	1/4	208,359	1/4	219,552
1/2	118,459	1/2	129,840	1/2	141,178	1/2	152,503	1/2	163,741	1/2	174,965	1/2	186,181	1/2	197,391	1/2	208,603	1/2	219,790
3/4	118,696	3/4	130,076	3/4	141,414	3/4	152,738	3/4	163,978	3/4	175,202	3/4	186,418	3/4	197,628	3/4	208,847	3/4	220,028
5	118,934	5	130,312	5	141,650	5	152,972	5	164,214	5	175,438	5	186,654	5	197,864	5	209,091	5	220,266
1/4	119,172	1/4	130,548	1/4	141,886	1/4	153,207	1/4	164,451	1/4	175,665	1/4	186,881	1/4	198,101	1/4	209,329	1/4	220,504
1/2	119,409	1/2	130,785	1/2	142,123	1/2	153,441	1/2	164,687	1/2	175,899	1/2	187,117	1/2	198,337	1/2	209,567	1/2	220,742
3/4	119,647	3/4	131,021	3/4	142,359	3/4	153,675	3/4	164,919	3/4	176,131	3/4	187,349	3/4	198,571	3/4	209,805	3/4	220,980
6	119,884	6	131,257	6	142,595	6	153,910	6	165,151	6	176,367	6	187,585	6	198,803	6	210,043	6	221,218
1/4	120,122	1/4	131,493	1/4	142,831	1/4	154,144	1/4	165,387	1/4	176,603	1/4	187,821	1/4	199,039	1/4	210,281	1/4	221,456
1/2	120,359	1/2	131,730	1/2	143,067	1/2	154,379	1/2	165,623	1/2	176,839	1/2	188,057	1/2	199,277	1/2	210,519	1/2	221,694
3/4	120,597	3/4	131,966	3/4	143,304	3/4	154,613	3/4	165,857	3/4	177,071	3/4	188,291	3/4	199,511	3/4	210,757	3/4	221,932
7	120,834	7	132,202	7	143,540	7	154,848	7	166,094	7	177,308	7	188,528	7	199,745	7	210,995	7	222,170
1/4	121,072	1/4	132,438	1/4	143,776	1/4	155,082	1/4	166,330	1/4	177,544	1/4	188,764	1/4	199,981	1/4	211,233	1/4	222,408
1/2	121,309	1/2	132,674	1/2	144,012	1/2	155,316	1/2	166,566	1/2	177,780	1/2	189,000	1/2	200,215	1/2	211,471	1/2	222,646
3/4	121,547	3/4	132,911	3/4	144,248	3/4	155,551	3/4	166,799	3/4	178,013	3/4	189,237	3/4	200,453	3/4	211,709	3/4	222,884
8	121,784	8	133,147	8	144,485	8	155,785	8	167,037	8	178,251	8	189,475	8	200,691	8	211,947	8	223,122
1/4	122,022	1/4	133,383	1/4	144,721	1/4	156,020	1/4	167,271	1/4	178,485	1/4	189,713	1/4	200,929	1/4	212,185	1/4	223,360
1/2	122,259	1/2	133,619	1/2	144,957	1/2	156,254	1/2	167,506	1/2	178,719	1/2	190,000	1/2	201,167	1/2	212,423	1/2	223,598
3/4	122,497	3/4	133,855	3/4	145,193	3/4	156,488	3/4	167,741	3/4	178,953	3/4	190,237	3/4	201,405	3/4	212,661	3/4	223,836
9	122,734	9	134,092	9	145,429	9	156,722	9	167,976	9	179,187	9	190,471	9	201,643	9	212,899	9	224,074
1/4	122,972	1/4	134,328	1/4	145,666	1/4	156,956	1/4	168,210	1/4	179,419	1/4	190,709	1/4	201,881	1/4	213,137	1/4	224,312
1/2	123,209	1/2	134,564	1/2	145,902	1/2	157,190	1/2	168,446	1/2	179,657	1/2	191,041	1/2	202,119	1/2	213,375	1/2	224,550
3/4	123,447	3/4	134,800	3/4	146,138	3/4	157,424	3/4	168,681	3/4	179,889	3/4	191,279	3/4	202,357	3/4	213,613	3/4	224,788
10	123,684	10	135,036	10	146,374	10	157,658	10	168,915	10	180,126	10	191,511	10	202,595	10	213,851	10	225,026
1/4	123,922	1/4	135,273	1/4	146,610	1/4	157,892	1/4	169,151	1/4	180,357	1/4	191,749	1/4	202,833	1/4	214,089	1/4	225,264
1/2	124,159	1/2	135,509	1/2	146,847	1/2	158,126	1/2	169,389	1/2	180,595	1/2	191,987	1/2	203,071	1/2	214,327	1/2	225,502
3/4	124,397	3/4	135,745	3/4	147,083	3/4	158,359	3/4	169,621	3/4	180,823	3/4	192,219	3/4	203,309	3/4	214,565	3/4	225,740
11	124,634	11	135,981	11	147,319	11	158,583	11	169,853	11	181,057	11	192,457	11	203,547	11	214,803	11	225,978
1/4	124,872	1/4	136,217	1/4	147,555	1/4	158,825	1/4	170,091	1/4	181,295	1/4	192,691	1/4	203,785	1/4	215,041	1/4	226,216
1/2	125,109	1/2	136,454	1/2	147,791	1/2	159,058	1/2	170,327	1/2	181,527	1/2	192,923	1/2	204,021	1/2	215,279	1/2	226,454
3/4	125,347	3/4	136,690	3/4	148,028	3/4	159,290	3/4	170,559	3/4	181,759	3/4	193,155	3/4	204,259	3/4	215,517	3/4	226,692

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/02/2009 CL - SW
CALCULATED: 04/03/2009 CL
REPRINTED: 07/26/2014 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "MPC 303"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 303"

GAUGE HEIGHT 15'-0"

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	635	0	11,630	0	23,037	0	34,428	0	45,822	0	57,239	0	68,646	0	80,053	0	91,458	0	102,859
1/4	799	1/4	11,868	1/4	23,275	1/4	34,665	1/4	46,070	1/4	57,477	1/4	68,884	1/4	80,291	1/4	91,696	1/4	103,096
1/2	962	1/2	12,106	1/2	23,512	1/2	34,902	1/2	46,307	1/2	57,714	1/2	69,121	1/2	80,528	1/2	91,933	1/2	103,334
3/4	1,125	3/4	12,343	3/4	23,750	3/4	35,139	3/4	46,545	3/4	57,952	3/4	69,359	3/4	80,766	3/4	92,171	3/4	103,571
1	1,289	1	12,581	1	23,988	1	35,377	1	46,783	1	58,190	1	69,597	1	81,004	1	92,408	1	103,809
1 1/4	1,503	1 1/4	12,819	1 1/4	24,225	1 1/4	35,614	1 1/4	47,020	1 1/4	58,427	1 1/4	69,834	1 1/4	81,241	1 1/4	92,646	1 1/4	104,046
1 1/2	1,718	1 1/2	13,056	1 1/2	24,463	1 1/2	35,851	1 1/2	47,258	1 1/2	58,665	1 1/2	70,072	1 1/2	81,479	1 1/2	92,883	1 1/2	104,284
3/4	1,932	3/4	13,294	3/4	24,701	3/4	36,089	3/4	47,496	3/4	58,903	3/4	70,310	3/4	81,717	3/4	93,121	3/4	104,521
2	2,147	2	13,532	2	24,938	2	36,326	2	47,733	2	59,140	2	70,547	2	81,954	2	93,358	2	104,759
1/4	2,382	1/4	13,769	1/4	25,176	1/4	36,564	1/4	47,971	1/4	59,378	1/4	70,785	1/4	82,192	1/4	93,596	1/4	104,996
1/2	2,617	1/2	14,007	1/2	25,413	1/2	36,802	1/2	48,209	1/2	59,616	1/2	71,023	1/2	82,430	1/2	93,833	1/2	105,234
3/4	2,862	3/4	14,244	3/4	25,651	3/4	37,039	3/4	48,446	3/4	59,853	3/4	71,260	3/4	82,667	3/4	94,071	3/4	105,471
3	3,087	3	14,482	3	25,889	3	37,277	3	48,684	3	60,091	3	71,498	3	82,905	3	94,308	3	105,709
1/4	3,323	1/4	14,720	1/4	26,126	1/4	37,514	1/4	48,921	1/4	60,328	1/4	71,735	1/4	83,142	1/4	94,546	1/4	105,946
1/2	3,559	1/2	14,957	1/2	26,364	1/2	37,752	1/2	49,159	1/2	60,566	1/2	71,973	1/2	83,380	1/2	94,783	1/2	106,184
3/4	3,795	3/4	15,195	3/4	26,601	3/4	37,990	3/4	49,397	3/4	60,804	3/4	72,211	3/4	83,618	3/4	95,021	3/4	106,421
4	4,031	4	15,433	4	26,839	4	38,227	4	49,634	4	61,041	4	72,448	4	83,855	4	95,258	4	106,659
1/4	4,268	1/4	15,670	1/4	27,076	1/4	38,465	1/4	49,872	1/4	61,279	1/4	72,686	1/4	84,093	1/4	95,496	1/4	106,896
1/2	4,505	1/2	15,908	1/2	27,314	1/2	38,703	1/2	50,110	1/2	61,517	1/2	72,924	1/2	84,331	1/2	95,733	1/2	107,134
3/4	4,742	3/4	16,146	3/4	27,551	3/4	38,940	3/4	50,347	3/4	61,754	3/4	73,161	3/4	84,568	3/4	95,971	3/4	107,371
5	4,979	5	16,383	5	27,788	5	39,178	5	50,585	5	61,992	5	73,399	5	84,806	5	96,208	5	107,609
1/4	5,216	1/4	16,621	1/4	28,025	1/4	39,416	1/4	50,823	1/4	62,230	1/4	73,637	1/4	85,044	1/4	96,446	1/4	107,846
1/2	5,453	1/2	16,858	1/2	28,262	1/2	39,653	1/2	51,060	1/2	62,467	1/2	73,874	1/2	85,281	1/2	96,684	1/2	108,084
3/4	5,690	3/4	17,096	3/4	28,500	3/4	39,891	3/4	51,298	3/4	62,705	3/4	74,112	3/4	85,519	3/4	96,921	3/4	108,321
6	5,928	6	17,334	6	28,737	6	40,129	6	51,536	6	62,943	6	74,350	6	85,757	6	97,159	6	108,559
1/4	6,165	1/4	17,571	1/4	28,974	1/4	40,366	1/4	51,773	1/4	63,180	1/4	74,587	1/4	85,994	1/4	97,396	1/4	108,797
1/2	6,403	1/2	17,809	1/2	29,211	1/2	40,604	1/2	52,011	1/2	63,418	1/2	74,825	1/2	86,232	1/2	97,634	1/2	109,034
3/4	6,640	3/4	18,047	3/4	29,448	3/4	40,841	3/4	52,248	3/4	63,656	3/4	75,063	3/4	86,470	3/4	97,871	3/4	109,272
7	6,878	7	18,284	7	29,685	7	41,079	7	52,486	7	63,893	7	75,300	7	86,707	7	98,109	7	109,509
1/4	7,115	1/4	18,522	1/4	29,922	1/4	41,317	1/4	52,724	1/4	64,131	1/4	75,538	1/4	86,945	1/4	98,346	1/4	109,747
1/2	7,353	1/2	18,760	1/2	30,159	1/2	41,554	1/2	52,961	1/2	64,368	1/2	75,775	1/2	87,182	1/2	98,584	1/2	109,984
3/4	7,591	3/4	18,997	3/4	30,397	3/4	41,792	3/4	53,199	3/4	64,606	3/4	76,013	3/4	87,420	3/4	98,821	3/4	110,222
8	7,828	8	19,235	8	30,634	8	42,030	8	53,437	8	64,844	8	76,251	8	87,658	8	99,059	8	110,459
1/4	8,066	1/4	19,473	1/4	30,871	1/4	42,267	1/4	53,674	1/4	65,081	1/4	76,488	1/4	87,895	1/4	99,296	1/4	110,697
1/2	8,304	1/2	19,710	1/2	31,108	1/2	42,505	1/2	53,912	1/2	65,319	1/2	76,726	1/2	88,133	1/2	99,534	1/2	110,934
3/4	8,541	3/4	19,948	3/4	31,345	3/4	42,743	3/4	54,150	3/4	65,557	3/4	76,964	3/4	88,371	3/4	99,771	3/4	111,172
9	8,779	9	20,185	9	31,582	9	42,980	9	54,387	9	65,794	9	77,201	9	88,608	9	100,009	9	111,409
1/4	9,016	1/4	20,423	1/4	31,819	1/4	43,218	1/4	54,625	1/4	66,032	1/4	77,439	1/4	88,846	1/4	100,246	1/4	111,647
1/2	9,254	1/2	20,661	1/2	32,056	1/2	43,456	1/2	54,863	1/2	66,270	1/2	77,677	1/2	89,083	1/2	100,484	1/2	111,884
3/4	9,492	3/4	20,898	3/4	32,294	3/4	43,693	3/4	55,100	3/4	66,507	3/4	77,914	3/4	89,321	3/4	100,721	3/4	112,122
10	9,729	10	21,136	10	32,531	10	43,931	10	55,338	10	66,745	10	78,152	10	89,558	10	100,959	10	112,359
1/4	9,967	1/4	21,374	1/4	32,768	1/4	44,169	1/4	55,576	1/4	66,983	1/4	78,390	1/4	89,796	1/4	101,196	1/4	112,597
1/2	10,205	1/2	21,611	1/2	33,005	1/2	44,406	1/2	55,813	1/2	67,220	1/2	78,627	1/2	90,033	1/2	101,434	1/2	112,834
3/4	10,442	3/4	21,849	3/4	33,242	3/4	44,644	3/4	56,051	3/4	67,458	3/4	78,865	3/4	90,271	3/4	101,671	3/4	113,072
11	10,680	11	22,087	11	33,479	11	44,881	11	56,288	11	67,685	11	79,102	11	90,508	11	101,909	11	113,309
1/4	10,918	1/4	22,324	1/4	33,716	1/4	45,119	1/4	56,526	1/4	67,923	1/4	79,340	1/4	90,746	1/4	102,146	1/4	113,547
1/2	11,155	1/2	22,562	1/2	33,954	1/2	45,357	1/2	56,764	1/2	68,171	1/2	79,578	1/2	90,983	1/2	102,384	1/2	113,784
3/4	11,393	3/4	22,799	3/4	34,191	3/4	45,594	3/4	57,001	3/4	68,408	3/4	79,815	3/4	91,221	3/4	102,621	3/4	114,022

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 TOP THREADS OF "MMC" GAUGE POINT.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77568

<http://www.pmaacorp.net>



BARGE "MPC 303"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 303"

GAUGE HEIGHT 15'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	114,259	0	125,660	0	137,001	0	148,339	0	159,599	0		0		0		0		0	
1/4	114,497	1/4	125,897	1/4	137,238	1/4	148,575	1/4	159,826	1/4		1/4		1/4		1/4		1/4	
1/2	114,734	1/2	126,134	1/2	137,474	1/2	148,812	1/2	160,053	1/2		1/2		1/2		1/2		1/2	
3/4	114,972	3/4	126,371	3/4	137,710	3/4	149,048	3/4	160,281	3/4		3/4		3/4		3/4		3/4	
1	115,209	1	126,608	1	137,946	1	149,284	1	160,508	1		1		1		1		1	
1/4	115,447	1/4	126,845	1/4	138,182	1/4	149,520	1/4	160,713	1/4		1/4		1/4		1/4		1/4	
1/2	115,684	1/2	127,081	1/2	138,419	1/2	149,757	1/2	160,918	1/2		1/2		1/2		1/2		1/2	
3/4	115,922	3/4	127,317	3/4	138,655	3/4	149,993	3/4	161,122	3/4		3/4		3/4		3/4		3/4	
2	116,159	2	127,553	2	138,891	2	150,229	2	161,327	2		2		2		2		2	
1/4	116,397	1/4	127,789	1/4	139,127	1/4	150,465	1/4	161,492	1/4		1/4		1/4		1/4		1/4	
1/2	116,634	1/2	128,026	1/2	139,363	1/2	150,700	1/2	161,657	1/2		1/2		1/2		1/2		1/2	
3/4	116,872	3/4	128,262	3/4	139,600	3/4	150,936	3/4	161,823	3/4		3/4		3/4		3/4		3/4	
3	117,109	3	128,498	3	139,836	3	151,172	3	161,988	3		3		3		3		3	
1/4	117,347	1/4	128,734	1/4	140,072	1/4	151,406	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	117,584	1/2	128,970	1/2	140,308	1/2	151,641	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	117,822	3/4	129,207	3/4	140,545	3/4	151,875	3/4		3/4		3/4		3/4		3/4		3/4	
4	118,059	4	129,443	4	140,781	4	152,110	4		4		4		4		4		4	
1/4	118,297	1/4	129,679	1/4	141,017	1/4	152,344	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	118,534	1/2	129,915	1/2	141,253	1/2	152,579	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	118,772	3/4	130,151	3/4	141,489	3/4	152,813	3/4		3/4		3/4		3/4		3/4		3/4	
5	119,009	5	130,388	5	141,726	5	153,048	5		5		5		5		5		5	
1/4	119,247	1/4	130,624	1/4	141,962	1/4	153,282	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	119,484	1/2	130,860	1/2	142,198	1/2	153,516	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	119,722	3/4	131,096	3/4	142,434	3/4	153,751	3/4		3/4		3/4		3/4		3/4		3/4	
6	119,959	6	131,333	6	142,670	6	153,985	6		6		6		6		6		6	
1/4	120,197	1/4	131,569	1/4	142,907	1/4	154,220	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	120,434	1/2	131,805	1/2	143,143	1/2	154,454	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	120,672	3/4	132,041	3/4	143,379	3/4	154,689	3/4		3/4		3/4		3/4		3/4		3/4	
7	120,909	7	132,277	7	143,615	7	154,923	7		7		7		7		7		7	
1/4	121,147	1/4	132,514	1/4	143,851	1/4	155,157	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121,385	1/2	132,750	1/2	144,088	1/2	155,392	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	121,622	3/4	132,986	3/4	144,324	3/4	155,626	3/4		3/4		3/4		3/4		3/4		3/4	
8	121,860	8	133,222	8	144,560	8	155,861	8		8		8		8		8		8	
1/4	122,097	1/4	133,458	1/4	144,796	1/4	156,095	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	122,335	1/2	133,695	1/2	145,032	1/2	156,329	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	122,572	3/4	133,931	3/4	145,269	3/4	156,563	3/4		3/4		3/4		3/4		3/4		3/4	
9	122,810	9	134,167	9	145,505	9	156,798	9		9		9		9		9		9	
1/4	123,047	1/4	134,403	1/4	145,741	1/4	157,032	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	123,285	1/2	134,639	1/2	145,977	1/2	157,266	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	123,522	3/4	134,876	3/4	146,213	3/4	157,500	3/4		3/4		3/4		3/4		3/4		3/4	
10	123,760	10	135,112	10	146,450	10	157,734	10		10		10		10		10		10	
1/4	123,997	1/4	135,348	1/4	146,686	1/4	157,967	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	124,235	1/2	135,584	1/2	146,922	1/2	158,201	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	124,472	3/4	135,820	3/4	147,158	3/4	158,434	3/4		3/4		3/4		3/4		3/4		3/4	
11	124,710	11	136,057	11	147,394	11	158,668	11		11		11		11		11		11	
1/4	124,947	1/4	136,293	1/4	147,631	1/4	158,901	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	125,185	1/2	136,529	1/2	147,867	1/2	159,133	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	125,422	3/4	136,765	3/4	148,103	3/4	159,366	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/02/2009 CL - SW
CALCULATED: 04/03/2009 CL
REPRINTED: 07/26/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT

P.O. Box 2092
Pearland, Texas 77568
<http://www.pmaacorp.net>

PMA



BARGE "MPC 303"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 303"

GAUGE HEIGHT 15'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	111,863	0	119,848	0	127,418	0	134,984	0	143,728	0		0		0		0		0	
1/4	112,030	1/4	120,007	1/4	127,575	1/4	135,142	1/4	143,950	1/4		1/4		1/4		1/4		1/4	
1/2	112,198	1/2	120,165	1/2	127,733	1/2	135,300	1/2	144,172	1/2		1/2		1/2		1/2		1/2	
3/4	112,366	3/4	120,323	3/4	127,891	3/4	135,457	3/4	144,393	3/4		3/4		3/4		3/4		3/4	
1	112,532	1	120,482	1	128,048	1	135,615	1	144,615	1		1		1		1		1	
1/4	112,699	1/4	120,639	1/4	128,206	1/4	135,773	1/4	144,814	1/4		1/4		1/4		1/4		1/4	
1/2	112,866	1/2	120,797	1/2	128,364	1/2	135,930	1/2	145,013	1/2		1/2		1/2		1/2		1/2	
3/4	113,034	3/4	120,954	3/4	128,521	3/4	136,088	3/4	145,212	3/4		3/4		3/4		3/4		3/4	
2	113,201	2	121,112	2	128,679	2	136,246	2	145,411	2		2		2		2		2	
1/4	113,368	1/4	121,270	1/4	128,836	1/4	136,403	1/4	145,570	1/4		1/4		1/4		1/4		1/4	
1/2	113,535	1/2	121,427	1/2	128,994	1/2	136,560	1/2	145,729	1/2		1/2		1/2		1/2		1/2	
3/4	113,703	3/4	121,585	3/4	129,152	3/4	136,718	3/4	145,889	3/4		3/4		3/4		3/4		3/4	
3	113,870	3	121,743	3	129,309	3	136,875	3	146,048	3		3		3		3		3	
1/4	114,037	1/4	121,900	1/4	129,467	1/4	137,031	1/4			1/4			1/4		1/4		1/4	
1/2	114,204	1/2	122,058	1/2	129,625	1/2	137,188	1/2			1/2			1/2		1/2		1/2	
3/4	114,371	3/4	122,216	3/4	129,782	3/4	137,344	3/4			3/4			3/4		3/4		3/4	
4	114,539	4	122,373	4	129,940	4	137,500	4			4			4		4		4	
1/4	114,706	1/4	122,531	1/4	130,098	1/4	137,657	1/4			1/4			1/4		1/4		1/4	
1/2	114,873	1/2	122,689	1/2	130,255	1/2	137,813	1/2			1/2			1/2		1/2		1/2	
3/4	115,040	3/4	122,846	3/4	130,413	3/4	137,970	3/4			3/4			3/4		3/4		3/4	
5	115,208	5	123,004	5	130,571	5	138,128	5			5			5		5		5	
1/4	115,375	1/4	123,161	1/4	130,728	1/4	138,282	1/4			1/4			1/4		1/4		1/4	
1/2	115,542	1/2	123,319	1/2	130,886	1/2	138,439	1/2			1/2			1/2		1/2		1/2	
3/4	115,709	3/4	123,477	3/4	131,043	3/4	138,595	3/4			3/4			3/4		3/4		3/4	
6	115,876	6	123,634	6	131,201	6	138,752	6			6			6		6		6	
1/4	116,044	1/4	123,792	1/4	131,359	1/4	138,908	1/4			1/4			1/4		1/4		1/4	
1/2	116,211	1/2	123,950	1/2	131,516	1/2	139,064	1/2			1/2			1/2		1/2		1/2	
3/4	116,378	3/4	124,107	3/4	131,674	3/4	139,221	3/4			3/4			3/4		3/4		3/4	
7	116,545	7	124,265	7	131,832	7	139,377	7			7			7		7		7	
1/4	116,713	1/4	124,423	1/4	131,989	1/4	139,532	1/4			1/4			1/4		1/4		1/4	
1/2	116,880	1/2	124,580	1/2	132,147	1/2	139,726	1/2			1/2			1/2		1/2		1/2	
3/4	117,047	3/4	124,738	3/4	132,305	3/4	139,901	3/4			3/4			3/4		3/4		3/4	
8	117,214	8	124,895	8	132,462	8	140,075	8			8			8		8		8	
1/4	117,381	1/4	125,053	1/4	132,620	1/4	140,304	1/4			1/4			1/4		1/4		1/4	
1/2	117,549	1/2	125,211	1/2	132,777	1/2	140,533	1/2			1/2			1/2		1/2		1/2	
3/4	117,716	3/4	125,368	3/4	132,935	3/4	140,762	3/4			3/4			3/4		3/4		3/4	
9	117,883	9	125,526	9	133,093	9	140,991	9			9			9		9		9	
1/4	118,050	1/4	125,684	1/4	133,250	1/4	141,220	1/4			1/4			1/4		1/4		1/4	
1/2	118,218	1/2	125,841	1/2	133,408	1/2	141,448	1/2			1/2			1/2		1/2		1/2	
3/4	118,385	3/4	125,999	3/4	133,566	3/4	141,677	3/4			3/4			3/4		3/4		3/4	
10	118,553	10	126,157	10	133,723	10	141,906	10			10			10		10		10	
1/4	118,718	1/4	126,314	1/4	133,881	1/4	142,134	1/4			1/4			1/4		1/4		1/4	
1/2	118,883	1/2	126,472	1/2	134,039	1/2	142,362	1/2			1/2			1/2		1/2		1/2	
3/4	119,049	3/4	126,630	3/4	134,196	3/4	142,590	3/4			3/4			3/4		3/4		3/4	
11	119,214	11	126,787	11	134,354	11	142,818	11			11			11		11		11	
1/4	119,373	1/4	126,945	1/4	134,511	1/4	143,046	1/4			1/4			1/4		1/4		1/4	
1/2	119,531	1/2	127,102	1/2	134,669	1/2	143,273	1/2			1/2			1/2		1/2		1/2	
3/4	119,690	3/4	127,260	3/4	134,827	3/4	143,500	3/4			3/4			3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/02/2009 CL - SW

CALCULATED: 04/03/2009 CL

REPRINTED: 07/26/2014 CL

CANCELS AND SUPERCEDES

ALL PRIOR TO 07/2014

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmaacorp.net>

BARGE "MPC 303"

2 STBD
INIMAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 303"

CROSSLINK 19.0" F.																			
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	6.43	0	11.776	0	23.325	0	34.858	0	46.405	0	57.954	0	69.503	0	81.042	0	92.569	0	104.085
1/4	809	1/4	12.016	1/4	23.565	1/4	35.098	1/4	46.645	1/4	58.195	1/4	69.744	1/4	81.282	1/4	92.809	1/4	104.324
1/2	974	1/2	12.267	1/2	23.806	1/2	35.338	1/2	46.886	1/2	58.435	1/2	69.985	1/2	81.522	1/2	93.050	1/2	104.564
3/4	1,139	3/4	12.497	3/4	24.046	3/4	35.578	3/4	47.126	3/4	58.676	3/4	70.225	3/4	81.763	3/4	93.290	3/4	104.803
1	1,305	1	12.738	1	24.287	1	35.818	1	47.367	1	58.916	1	70.466	1	82.003	1	93.530	1	105.043
1/4	1,522	1/4	12.979	1/4	24.528	1/4	36.059	1/4	47.608	1/4	59.157	1/4	70.706	1/4	82.243	1/4	93.770	1/4	105.284
1/2	1,739	1/2	13.219	1/2	24.768	1/2	36.299	1/2	47.848	1/2	59.398	1/2	70.947	1/2	82.483	1/2	94.010	1/2	105.485
3/4	1,956	3/4	13.460	3/4	25.009	3/4	36.540	3/4	48.089	3/4	59.638	3/4	71.188	3/4	82.723	3/4	94.250	3/4	105.707
2	2,173	2	13.700	2	25.249	2	36.780	2	48.329	2	59.879	2	71.428	2	82.963	2	94.490	2	105.928
1/4	2,411	1/4	13.941	1/4	25.490	1/4	37.021	1/4	48.570	1/4	60.119	1/4	71.669	1/4	83.204	1/4	94.730	1/4	106.095
1/2	2,649	1/2	14.182	1/2	25.731	1/2	37.261	1/2	48.811	1/2	60.360	1/2	71.910	1/2	83.444	1/2	94.970	1/2	106.262
3/4	2,887	3/4	14.422	3/4	25.971	3/4	37.502	3/4	49.051	3/4	60.601	3/4	72.150	3/4	83.684	3/4	95.210	3/4	106.429
3	3,125	3	14.663	3	26.212	3	37.742	3	49.292	3	60.841	3	72.391	3	83.924	3	95.450	3	106.595
1/4	3,364	1/4	14.903	1/4	26.452	1/4	37.983	1/4	49.532	1/4	61.082	1/4	72.631	1/4	84.165	1/4	95.691	1/4	106.762
1/2	3,603	1/2	15.144	1/2	26.693	1/2	38.224	1/2	49.773	1/2	61.323	1/2	72.872	1/2	84.405	1/2	95.931	1/2	106.929
3/4	3,842	3/4	15.385	3/4	26.933	3/4	38.464	3/4	50.014	3/4	61.563	3/4	73.113	3/4	84.645	3/4	96.171	3/4	107.096
4	4,081	4	15.625	4	27.174	4	38.705	4	50.254	4	61.804	4	73.353	4	84.885	4	96.411	4	107.263
1/4	4,321	1/4	15.866	1/4	27.414	1/4	38.945	1/4	50.495	1/4	62.044	1/4	73.594	1/4	85.125	1/4	96.651	1/4	107.429
1/2	4,561	1/2	16.106	1/2	27.655	1/2	39.186	1/2	50.736	1/2	62.285	1/2	73.834	1/2	85.365	1/2	96.891	1/2	107.596
3/4	4,801	3/4	16.347	3/4	27.895	3/4	39.427	3/4	50.976	3/4	62.526	3/4	74.075	3/4	85.605	3/4	97.131	3/4	107.763
5	5,041	5	16.588	5	28.135	5	39.667	5	51.217	5	62.766	5	74.316	5	85.846	5	97.371	5	107.930
1/4	5,281	1/4	16.828	1/4	28.375	1/4	39.908	1/4	51.457	1/4	63.007	1/4	74.556	1/4	86.086	1/4	97.611	1/4	108.097
1/2	5,521	1/2	17.069	1/2	28.615	1/2	40.149	1/2	51.698	1/2	63.247	1/2	74.797	1/2	86.326	1/2	97.851	1/2	108.263
3/4	5,761	3/4	17.310	3/4	28.855	3/4	40.389	3/4	51.939	3/4	63.488	3/4	75.037	3/4	86.566	3/4	98.091	3/4	108.430
6	6,002	6	17.560	6	29.095	6	40.630	6	52.179	6	63.729	6	75.278	6	86.806	6	98.332	6	108.597
1/4	6,242	1/4	17.791	1/4	29.336	1/4	40.870	1/4	52.420	1/4	63.969	1/4	75.518	1/4	87.046	1/4	98.572	1/4	108.764
1/2	6,483	1/2	18.031	1/2	29.576	1/2	41.111	1/2	52.660	1/2	64.210	1/2	75.758	1/2	87.287	1/2	98.812	1/2	108.931
3/4	6,723	3/4	18.272	3/4	29.816	3/4	41.352	3/4	52.901	3/4	64.451	3/4	75.998	3/4	87.527	3/4	99.052	3/4	109.097
7	6,964	7	18.513	7	30.056	7	41.592	7	53.142	7	64.691	7	76.238	7	87.767	7	99.292	7	109.264
1/4	7,204	1/4	18.753	1/4	30.296	1/4	41.833	1/4	53.382	1/4	64.932	1/4	76.479	1/4	88.007	1/4	99.532	1/4	109.431
1/2	7,445	1/2	18.994	1/2	30.536	1/2	42.073	1/2	53.623	1/2	65.172	1/2	76.719	1/2	88.247	1/2	99.772	1/2	109.598
3/4	7,686	3/4	19.234	3/4	30.776	3/4	42.314	3/4	53.864	3/4	65.413	3/4	76.959	3/4	88.488	3/4	100.012	3/4	109.765
8	7,926	8	19.475	8	31.016	8	42.555	8	54.104	8	65.654	8	77.199	8	88.728	8	100.252	8	109.931
1/4	8,167	1/4	19.716	1/4	31.256	1/4	42.795	1/4	54.345	1/4	65.894	1/4	77.439	1/4	88.968	1/4	100.491	1/4	110.098
1/2	8,407	1/2	19.956	1/2	31.496	1/2	43.036	1/2	54.585	1/2	66.135	1/2	77.680	1/2	89.208	1/2	100.731	1/2	110.265
3/4	8,648	3/4	20.197	3/4	31.736	3/4	43.277	3/4	54.826	3/4	66.375	3/4	77.920	3/4	89.448	3/4	100.970	3/4	110.432
9	8,888	9	20.437	9	31.977	9	43.517	9	55.067	9	66.616	9	78.160	9	89.688	9	101.210	9	110.599
1/4	9,129	1/4	20.678	1/4	32.217	1/4	43.758	1/4	55.307	1/4	66.857	1/4	78.400	1/4	89.928	1/4	101.449	1/4	110.765
1/2	9,370	1/2	20.918	1/2	32.457	1/2	43.998	1/2	55.548	1/2	67.097	1/2	78.640	1/2	90.169	1/2	101.689	1/2	110.932
3/4	9,610	3/4	21.159	3/4	32.697	3/4	44.239	3/4	55.788	3/4	67.338	3/4	78.880	3/4	90.409	3/4	101.929	3/4	111.099
10	9,851	10	21.400	10	32.937	10	44.480	10	56.029	10	67.579	10	79.121	10	90.649	10	102.168	10	111.266
1/4	10,091	1/4	21.640	1/4	33.177	1/4	44.720	1/4	56.270	1/4	67.819	1/4	79.361	1/4	90.889	1/4	102.408	1/4	111.433
1/2	10,332	1/2	21.881	1/2	33.417	1/2	44.961	1/2	56.510	1/2	68.060	1/2	79.601	1/2	91.129	1/2	102.647	1/2	111.600
3/4	10,573	3/4	22.122	3/4	33.657	3/4	45.201	3/4	56.751	3/4	68.300	3/4	79.841	3/4	91.369	3/4	102.887	3/4	111.766
11	10,813	11	22.362	11	33.897	11	45.442	11	56.992	11	68.541	11	80.081	11	91.609	11	103.126	11	111.933
1/4	11,054	1/4	22.603	1/4	34.137	1/4	45.683	1/4	57.232	1/4	68.782	1/4	80.321	1/4	91.849	1/4	103.366	1/4	112.100
1/2	11,294	1/2	22.843	1/2	34.378	1/2	45.923	1/2	57.473	1/2	69.022	1/2	80.562	1/2	92.089	1/2	103.605	1/2	112.267
3/4	11,535	3/4	23.084	3/4	34.618	3/4	46.164	3/4	57.713	3/4	69.263	3/4	80.802	3/4	92.329	3/4	103.845	3/4	112.434

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 TAKENT TOP THREADS OF "MMC" GAUGE POINT

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 7758

<http://www.pmacorp.net>

Ch. H. Brown



BARGE "MPC 303"

2 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 303"

GAUGE HEIGHT 15'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	112,601	0	120,608	0	128,177	0	135,744	0	144,487	0	153,244	0	162,071	0	170,948	0	179,875	0	188,852
1/4	112,769	1/4	120,766	1/4	128,335	1/4	135,902	1/4	144,709	1/4	152,037	1/4	159,604	1/4	167,171	1/4	174,738	1/4	182,305
1/2	112,937	1/2	120,925	1/2	128,493	1/2	136,059	1/2	144,931	1/2	152,191	1/2	159,757	1/2	167,323	1/2	174,889	1/2	182,455
3/4	113,105	3/4	121,083	3/4	128,650	3/4	136,217	3/4	144,783	3/4	152,350	3/4	160,049	3/4	167,616	3/4	175,183	3/4	182,750
1	113,272	1	121,241	1	128,808	1	136,375	1	144,942	1	152,509	1	160,076	1	167,643	1	175,209	1	182,776
1/4	113,440	1/4	121,399	1/4	128,966	1/4	136,532	1/4	144,598	1/4	152,165	1/4	159,731	1/4	167,298	1/4	174,864	1/4	182,431
1/2	113,608	1/2	121,557	1/2	129,123	1/2	136,689	1/2	144,756	1/2	152,322	1/2	159,889	1/2	167,455	1/2	175,022	1/2	182,589
3/4	113,776	3/4	121,714	3/4	129,281	3/4	136,848	3/4	144,915	3/4	152,482	3/4	160,049	3/4	167,616	3/4	175,183	3/4	182,750
2	113,943	2	121,872	2	129,439	2	137,005	2	144,571	2	152,138	2	159,704	2	167,271	2	174,838	2	182,404
1/4	114,111	1/4	122,030	1/4	129,596	1/4	137,163	1/4	144,730	1/4	152,296	1/4	160,483	1/4	168,047	1/4	175,611	1/4	183,175
1/2	114,279	1/2	122,187	1/2	129,754	1/2	137,320	1/2	144,887	1/2	152,454	1/2	160,639	1/2	168,203	1/2	175,767	1/2	183,331
3/4	114,447	3/4	122,345	3/4	129,912	3/4	137,477	3/4	145,044	3/4	152,611	3/4	160,792	3/4	168,354	3/4	175,916	3/4	183,478
3	114,616	3	122,502	3	130,069	3	137,635	3	145,202	3	152,769	3	160,940	3	168,500	3	176,060	3	183,620
1/4	114,782	1/4	122,660	1/4	130,227	1/4	137,791	1/4	145,355	1/4	152,919	1/4	160,483	1/4	168,047	1/4	175,611	1/4	183,175
1/2	114,950	1/2	122,818	1/2	130,384	1/2	137,947	1/2	145,511	1/2	153,075	1/2	160,639	1/2	168,203	1/2	175,767	1/2	183,331
3/4	115,118	3/4	122,975	3/4	130,542	3/4	138,104	3/4	145,668	3/4	153,230	3/4	160,792	3/4	168,354	3/4	175,916	3/4	183,478
4	115,286	4	123,133	4	130,700	4	138,260	4	145,820	4	153,380	4	160,940	4	168,500	4	176,060	4	183,620
1/4	115,453	1/4	123,291	1/4	130,857	1/4	138,417	1/4	145,977	1/4	153,537	1/4	161,097	1/4	168,657	1/4	176,217	1/4	183,777
1/2	115,621	1/2	123,448	1/2	131,015	1/2	138,573	1/2	146,133	1/2	153,691	1/2	161,249	1/2	168,807	1/2	176,365	1/2	183,923
3/4	115,789	3/4	123,606	3/4	131,173	3/4	138,729	3/4	146,287	3/4	153,845	3/4	161,403	3/4	168,961	3/4	176,519	3/4	184,077
5	115,957	5	123,764	5	131,330	5	138,886	5	146,442	5	154,000	5	161,558	5	169,116	5	176,674	5	184,232
1/4	116,125	1/4	123,921	1/4	131,488	1/4	139,042	1/4	146,596	1/4	154,150	1/4	161,704	1/4	169,258	1/4	176,812	1/4	184,366
1/2	116,292	1/2	124,079	1/2	131,646	1/2	139,199	1/2	146,753	1/2	154,307	1/2	161,861	1/2	169,415	1/2	176,969	1/2	184,523
3/4	116,460	3/4	124,237	3/4	131,803	3/4	139,355	3/4	146,909	3/4	154,462	3/4	162,015	3/4	169,568	3/4	177,121	3/4	184,674
6	116,628	6	124,394	6	131,961	6	139,511	6	147,061	6	154,611	6	162,161	6	169,711	6	177,261	6	184,811
1/4	116,796	1/4	124,552	1/4	132,118	1/4	139,668	1/4	147,218	1/4	154,768	1/4	162,318	1/4	169,868	1/4	177,418	1/4	184,968
1/2	116,963	1/2	124,709	1/2	132,276	1/2	139,824	1/2	147,374	1/2	154,924	1/2	162,474	1/2	169,974	1/2	177,524	1/2	185,074
3/4	117,131	3/4	124,867	3/4	132,434	3/4	139,981	3/4	147,529	3/4	155,077	3/4	162,625	3/4	169,675	3/4	177,175	3/4	184,725
7	117,299	7	125,025	7	132,591	7	140,137	7	147,683	7	155,229	7	162,775	7	170,321	7	177,867	7	185,413
1/4	117,467	1/4	125,182	1/4	132,749	1/4	140,311	1/4	147,857	1/4	155,399	1/4	162,941	1/4	170,483	1/4	178,025	1/4	185,567
1/2	117,635	1/2	125,340	1/2	132,907	1/2	140,486	1/2	148,022	1/2	155,556	1/2	163,098	1/2	170,640	1/2	178,182	1/2	185,724
3/4	117,802	3/4	125,498	3/4	133,064	3/4	140,651	3/4	148,187	3/4	155,723	3/4	163,265	3/4	170,807	3/4	178,349	3/4	185,891
8	117,970	8	125,655	8	133,222	8	140,835	8	148,371	8	155,888	8	163,424	8	170,960	8	178,496	8	186,032
1/4	118,138	1/4	125,813	1/4	133,380	1/4	141,064	1/4	148,599	1/4	156,135	1/4	163,671	1/4	171,207	1/4	178,743	1/4	186,279
1/2	118,306	1/2	125,971	1/2	133,537	1/2	141,293	1/2	148,828	1/2	156,284	1/2	163,819	1/2	171,355	1/2	178,890	1/2	186,426
3/4	118,473	3/4	126,128	3/4	133,695	3/4	141,522	3/4	149,047	3/4	156,572	3/4	164,107	3/4	171,632	3/4	179,157	3/4	186,683
9	118,641	9	126,286	9	133,853	9	141,751	9	149,276	9	156,791	9	164,316	9	171,841	9	179,366	9	186,891
1/4	118,809	1/4	126,443	1/4	134,010	1/4	141,980	1/4	149,495	1/4	157,010	1/4	164,525	1/4	172,050	1/4	179,575	1/4	187,100
1/2	118,977	1/2	126,601	1/2	134,168	1/2	142,208	1/2	149,723	1/2	157,238	1/2	164,753	1/2	172,268	1/2	179,783	1/2	187,308
3/4	119,145	3/4	126,759	3/4	134,325	3/4	142,437	3/4	150,049	3/4	157,561	3/4	165,073	3/4	172,585	3/4	180,097	3/4	187,609
10	119,312	10	126,916	10	134,483	10	142,656	10	150,268	10	157,779	10	165,291	10	172,803	10	180,315	10	187,827
1/4	119,478	1/4	127,074	1/4	134,641	1/4	142,894	1/4	150,447	1/4	157,959	1/4	165,471	1/4	172,983	1/4	180,495	1/4	188,007
1/2	119,643	1/2	127,232	1/2	134,798	1/2	143,122	1/2	150,635	1/2	158,147	1/2	165,659	1/2	173,171	1/2	180,683	1/2	188,195
3/4	119,809	3/4	127,389	3/4	134,956	3/4	143,350	3/4	150,863	3/4	158,375	3/4	165,887	3/4	173,399	3/4	180,911	3/4	188,423
11	119,974	11	127,547	11	135,114	11	143,578	11	151,042	11	158,506	11	165,970	11	173,434	11	180,898	11	188,362
1/4	120,133	1/4	127,705	1/4	135,271	1/4	143,806	1/4	151,330	1/4	158,865	1/4	166,399	1/4	173,933	1/4	181,467	1/4	188,991
1/2	120,291	1/2	127,862	1/2	135,429	1/2	144,033	1/2	151,597	1/2	159,161	1/2	166,725	1/2	174,289	1/2	181,853	1/2	189,417
3/4	120,450	3/4	128,020	3/4	135,587	3/4	144,260	3/4	151,824	3/4	159,388	3/4	166,952	3/4	174,516	3/4	182,080	3/4	189,644



BARGE "MPC 303"

SLOP TANK
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 303"

GAUGE HEIGHT 4'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	1	IN	2	IN	3	IN	4	IN	5	IN	6	IN	7	IN	8	IN	9
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	20	1/4	979	1/4	1,939	1/4	2,898	1/4	3,857	1/4	4,816	1/4	5,775	1/4	6,734	1/4	7,693	1/4	8,652
1/2	40	1/2	999	1/2	1,959	1/2	2,918	1/2	3,877	1/2	4,836	1/2	5,795	1/2	6,754	1/2	7,713	1/2	8,672
3/4	60	3/4	1,019	3/4	1,979	3/4	2,938	3/4	3,897	3/4	4,856	3/4	5,815	3/4	6,774	3/4	7,733	3/4	8,692
1	80	1	1,039	1	1,999	1	2,958	1	3,917	1	4,876	1	5,835	1	6,794	1	7,753	1	8,712
1/4	100	1/4	1,059	1/4	2,019	1/4	2,978	1/4	3,937	1/4	4,896	1/4	5,855	1/4	6,814	1/4	7,773	1/4	8,732
1/2	120	1/2	1,079	1/2	2,039	1/2	2,998	1/2	3,957	1/2	4,916	1/2	5,875	1/2	6,834	1/2	7,793	1/2	8,752
3/4	140	3/4	1,099	3/4	2,059	3/4	3,018	3/4	3,977	3/4	4,936	3/4	5,895	3/4	6,854	3/4	7,813	3/4	8,772
1	160	1	1,119	1	2,079	1	3,038	1	3,997	1	4,956	1	5,915	1	6,874	1	7,833	1	8,792
1/4	180	1/4	1,139	1/4	2,099	1/4	3,058	1/4	4,017	1/4	4,976	1/4	5,935	1/4	6,894	1/4	7,853	1/4	8,812
1/2	200	1/2	1,159	1/2	2,118	1/2	3,078	1/2	4,037	1/2	4,996	1/2	5,955	1/2	6,914	1/2	7,873	1/2	8,832
3/4	220	3/4	1,179	3/4	2,138	3/4	3,098	3/4	4,057	3/4	5,016	3/4	5,975	3/4	6,934	3/4	7,893	3/4	8,852
1	240	1	1,199	1	2,158	1	3,118	1	4,077	1	5,036	1	5,995	1	6,954	1	7,913	1	8,872
1/4	260	1/4	1,219	1/4	2,178	1/4	3,138	1/4	4,097	1/4	5,056	1/4	6,015	1/4	6,974	1/4	7,933	1/4	8,892
1/2	280	1/2	1,239	1/2	2,198	1/2	3,158	1/2	4,117	1/2	5,076	1/2	6,035	1/2	6,994	1/2	7,953	1/2	8,912
3/4	300	3/4	1,259	3/4	2,218	3/4	3,178	3/4	4,137	3/4	5,096	3/4	6,055	3/4	7,014	3/4	7,973	3/4	8,932
1	320	1	1,279	1	2,238	1	3,198	1	4,157	1	5,116	1	6,075	1	7,034	1	8,013	1	9,012
1/4	340	1/4	1,299	1/4	2,258	1/4	3,218	1/4	4,177	1/4	5,136	1/4	6,095	1/4	7,054	1/4	8,033	1/4	9,032
1/2	360	1/2	1,319	1/2	2,278	1/2	3,238	1/2	4,197	1/2	5,156	1/2	6,115	1/2	7,074	1/2	8,053	1/2	9,052
3/4	380	3/4	1,339	3/4	2,298	3/4	3,258	3/4	4,217	3/4	5,176	3/4	6,135	3/4	7,094	3/4	8,073	3/4	9,072
1	400	1	1,359	1	2,318	1	3,278	1	4,237	1	5,196	1	6,155	1	7,114	1	8,093	1	9,092
1/4	420	1/4	1,379	1/4	2,338	1/4	3,298	1/4	4,257	1/4	5,216	1/4	6,175	1/4	7,134	1/4	8,113	1/4	9,112
1/2	440	1/2	1,399	1/2	2,358	1/2	3,318	1/2	4,277	1/2	5,236	1/2	6,195	1/2	7,154	1/2	8,133	1/2	9,132
3/4	460	3/4	1,419	3/4	2,378	3/4	3,338	3/4	4,297	3/4	5,256	3/4	6,215	3/4	7,174	3/4	8,153	3/4	9,152
1	480	1	1,439	1	2,398	1	3,358	1	4,317	1	5,276	1	6,235	1	7,194	1	8,173	1	9,172
1/4	500	1/4	1,459	1/4	2,418	1/4	3,378	1/4	4,337	1/4	5,296	1/4	6,255	1/4	7,214	1/4	8,193	1/4	9,192
1/2	520	1/2	1,479	1/2	2,438	1/2	3,398	1/2	4,357	1/2	5,316	1/2	6,275	1/2	7,234	1/2	8,213	1/2	9,212
3/4	540	3/4	1,499	3/4	2,458	3/4	3,418	3/4	4,377	3/4	5,336	3/4	6,295	3/4	7,254	3/4	8,233	3/4	9,232
1	560	1	1,519	1	2,478	1	3,438	1	4,397	1	5,356	1	6,315	1	7,274	1	8,253	1	9,252
1/4	580	1/4	1,539	1/4	2,498	1/4	3,458	1/4	4,417	1/4	5,376	1/4	6,335	1/4	7,294	1/4	8,273	1/4	9,272
1/2	600	1/2	1,559	1/2	2,518	1/2	3,478	1/2	4,437	1/2	5,396	1/2	6,355	1/2	7,314	1/2	8,293	1/2	9,292
3/4	620	3/4	1,579	3/4	2,538	3/4	3,498	3/4	4,457	3/4	5,416	3/4	6,375	3/4	7,334	3/4	8,313	3/4	9,312
1	640	1	1,599	1	2,558	1	3,518	1	4,477	1	5,436	1	6,395	1	7,354	1	8,333	1	9,332
1/4	660	1/4	1,619	1/4	2,578	1/4	3,538	1/4	4,497	1/4	5,456	1/4	6,415	1/4	7,374	1/4	8,353	1/4	9,352
1/2	680	1/2	1,639	1/2	2,598	1/2	3,558	1/2	4,517	1/2	5,476	1/2	6,435	1/2	7,394	1/2	8,373	1/2	9,372
3/4	700	3/4	1,659	3/4	2,618	3/4	3,578	3/4	4,537	3/4	5,496	3/4	6,455	3/4	7,414	3/4	8,393	3/4	9,392
1	719	1	1,679	1	2,638	1	3,598	1	4,557	1	5,516	1	6,475	1	7,434	1	8,413	1	9,412
1/4	739	1/4	1,699	1/4	2,658	1/4	3,618	1/4	4,577	1/4	5,536	1/4	6,495	1/4	7,454	1/4	8,433	1/4	9,432
1/2	759	1/2	1,719	1/2	2,678	1/2	3,638	1/2	4,597	1/2	5,556	1/2	6,515	1/2	7,474	1/2	8,453	1/2	9,452
3/4	779	3/4	1,739	3/4	2,698	3/4	3,658	3/4	4,617	3/4	5,576	3/4	6,535	3/4	7,494	3/4	8,473	3/4	9,472
1	799	1	1,759	1	2,718	1	3,678	1	4,637	1	5,596	1	6,555	1	7,514	1	8,493	1	9,492
1/4	819	1/4	1,779	1/4	2,738	1/4	3,698	1/4	4,657	1/4	5,616	1/4	6,575	1/4	7,534	1/4	8,513	1/4	9,512
1/2	839	1/2	1,799	1/2	2,758	1/2	3,718	1/2	4,677	1/2	5,636	1/2	6,595	1/2	7,554	1/2	8,533	1/2	9,532
3/4	859	3/4	1,819	3/4	2,778	3/4	3,738	3/4	4,697	3/4	5,656	3/4	6,615	3/4	7,574	3/4	8,553	3/4	9,552
1	879	1	1,839	1	2,798	1	3,758	1	4,717	1	5,676	1	6,635	1	7,594	1	8,573	1	9,572
1/4	899	1/4	1,859	1/4	2,818	1/4	3,778	1/4	4,737	1/4	5,696	1/4	6,655	1/4	7,614	1/4	8,593	1/4	9,592
1/2	919	1/2	1,879	1/2	2,838	1/2	3,798	1/2	4,757	1/2	5,716	1/2	6,675	1/2	7,634	1/2	8,613	1/2	9,612
3/4	939	3/4	1,899	3/4	2,858	3/4	3,818	3/4	4,777	3/4	5,736	3/4	6,695	3/4	7,654	3/4	8,633	3/4	9,632

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TOP THREADS OF "MIMC" GAUGE POINT.

STRAPPED: 04/02/2009 CL - SW

CALCULATED: 04/03/2009 CL

REPRINTED: 07/28/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77586
<http://www.pmacorp.net>

[Signature]