



BARGE: HFL 3016

INNAGE TRIM TABLE MMC

	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	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
1 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
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	00-0/8	- 00-0/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 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 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 235'-06"

April 11, 2017



BARGE: HFL 3016
JEFFBOAT 16-2310

STBD SLOP
INNAGE TABLE
8" HATCH

CAPACITIES GIVEN IN GALLONS

REFERENCE GAUGE HEIGHT: 6'-01 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.	IN	10 FT.	IN	11 FT.
0	0	0	1,150	0	2,300	0	3,450	0	4,600	0		0		0		0		0		0		0	
1/4	24	1/4	1,174	1/4	2,324	1/4	3,474	1/4	4,624	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	48	1/2	1,198	1/2	2,348	1/2	3,498	1/2	4,648	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	72	3/4	1,222	3/4	2,372	3/4	3,522	3/4	4,672	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	96	1	1,246	1	2,396	1	3,546	1	4,696	1		1		1		1		1		1		1	
1/4	120	1/4	1,270	1/4	2,420	1/4	3,570	1/4	4,720	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	144	1/2	1,294	1/2	2,444	1/2	3,594	1/2	4,744	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168	3/4	1,318	3/4	2,468	3/4	3,618	3/4	4,768	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	192	2	1,342	2	2,492	2	3,642	2	4,792	2		2		2		2		2		2		2	
1/4	216	1/4	1,366	1/4	2,516	1/4	3,666	1/4	4,816	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	240	1/2	1,390	1/2	2,540	1/2	3,690	1/2	4,840	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	264	3/4	1,414	3/4	2,564	3/4	3,714	3/4	4,864	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	288	3	1,438	3	2,588	3	3,738	3	4,888	3		3		3		3		3		3		3	
1/4	311	1/4	1,462	1/4	2,612	1/4	3,762	1/4	4,912	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	335	1/2	1,486	1/2	2,636	1/2	3,786	1/2	4,936	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	359	3/4	1,509	3/4	2,660	3/4	3,810	3/4	4,960	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	383	4	1,533	4	2,684	4	3,834	4	4,984	4		4		4		4		4		4		4	
1/4	407	1/4	1,557	1/4	2,708	1/4	3,858	1/4	5,008	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	431	1/2	1,581	1/2	2,731	1/2	3,882	1/2	5,032	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	455	3/4	1,605	3/4	2,755	3/4	3,906	3/4	5,056	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	479	5	1,629	5	2,779	5	3,929	5	5,080	5		5		5		5		5		5		5	
1/4	503	1/4	1,653	1/4	2,803	1/4	3,953	1/4	5,104	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	527	1/2	1,677	1/2	2,827	1/2	3,977	1/2	5,127	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	551	3/4	1,701	3/4	2,851	3/4	4,001	3/4	5,151	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	575	6	1,725	6	2,875	6	4,025	6	5,175	6		6		6		6		6		6		6	
1/4	599	1/4	1,749	1/4	2,899	1/4	4,049	1/4	5,199	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	623	1/2	1,773	1/2	2,923	1/2	4,073	1/2	5,223	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	647	3/4	1,797	3/4	2,947	3/4	4,097	3/4	5,247	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	671	7	1,821	7	2,971	7	4,121	7		7		7		7		7		7		7		7	
1/4	695	1/4	1,845	1/4	2,995	1/4	4,145	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	719	1/2	1,869	1/2	3,019	1/2	4,169	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	743	3/4	1,893	3/4	3,043	3/4	4,193	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	767	8	1,917	8	3,067	8	4,217	8		8		8		8		8		8		8		8	
1/4	791	1/4	1,941	1/4	3,091	1/4	4,241	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	815	1/2	1,965	1/2	3,115	1/2	4,265	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	839	3/4	1,989	3/4	3,139	3/4	4,289	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	863	9	2,013	9	3,163	9	4,313	9		9		9		9		9		9		9		9	
1/4	887	1/4	2,037	1/4	3,187	1/4	4,337	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	910	1/2	2,061	1/2	3,211	1/2	4,361	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	934	3/4	2,085	3/4	3,235	3/4	4,385	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	958	10	2,108	10	3,259	10	4,409	10		10		10		10		10		10		10		10	
1/4	982	1/4	2,132	1/4	3,283	1/4	4,433	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,006	1/2	2,156	1/2	3,307	1/2	4,457	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,030	3/4	2,180	3/4	3,330	3/4	4,481	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,054	11	2,204	11	3,354	11	4,505	11		11		11		11		11		11		11		11	
1/4	1,078	1/4	2,228	1/4	3,378	1/4	4,528	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,102	1/2	2,252	1/2	3,402	1/2	4,552	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,126	3/4	2,276	3/4	3,426	3/4	4,576	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

NOTE: GAUGE POINT: TO TOP LIP OF 8" HATCH.
 NOTE: GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK
 NOTE: FOR GREATER ACCURACY, BARGE SHOULD BE UPRIGHT AND ON EVEN KEEL
 NOTE: MEASURED AND COMPUTED IN ACCORDANCE WITH API MPMS 2.7

DATE STRAPPED: 03/02/2017 BY: JM
 DATE COMPUTED: 04/11/2017 BY: CL
 DATE ISSUED: 04/11/2017

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES
 OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.



BARGE: HFL 3016
JEFFBOAT 16-2310

PORT SLOP
INNAGE TABLE
8" HATCH

CAPACITIES GIVEN IN GALLONS

REFERENCE GAUGE HEIGHT: 6'-01 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.	IN	10 FT.	IN	11 FT.
0	0	0	1,207	0	2,413	0	3,620	0	4,826	0		0		0		0		0		0		0	
1/4	25	1/4	1,232	1/4	2,438	1/4	3,645	1/4	4,851	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	50	1/2	1,257	1/2	2,463	1/2	3,670	1/2	4,876	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	1,282	3/4	2,489	3/4	3,695	3/4	4,902	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	101	1	1,307	1	2,514	1	3,720	1	4,927	1		1		1		1		1		1		1	
1/4	126	1/4	1,332	1/4	2,539	1/4	3,745	1/4	4,952	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151	1/2	1,357	1/2	2,564	1/2	3,770	1/2	4,977	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	176	3/4	1,383	3/4	2,589	3/4	3,796	3/4	5,002	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	201	2	1,408	2	2,614	2	3,821	2	5,027	2		2		2		2		2		2		2	
1/4	226	1/4	1,433	1/4	2,639	1/4	3,846	1/4	5,052	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	251	1/2	1,458	1/2	2,664	1/2	3,871	1/2	5,078	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	277	3/4	1,483	3/4	2,690	3/4	3,896	3/4	5,103	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	302	3	1,508	3	2,715	3	3,921	3	5,128	3		3		3		3		3		3		3	
1/4	327	1/4	1,533	1/4	2,740	1/4	3,946	1/4	5,153	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	352	1/2	1,558	1/2	2,765	1/2	3,972	1/2	5,178	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	377	3/4	1,584	3/4	2,790	3/4	3,997	3/4	5,203	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	402	4	1,609	4	2,815	4	4,022	4	5,228	4		4		4		4		4		4		4	
1/4	427	1/4	1,634	1/4	2,840	1/4	4,047	1/4	5,254	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	452	1/2	1,659	1/2	2,866	1/2	4,072	1/2	5,279	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	478	3/4	1,684	3/4	2,891	3/4	4,097	3/4	5,304	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	503	5	1,709	5	2,916	5	4,122	5	5,329	5		5		5		5		5		5		5	
1/4	528	1/4	1,734	1/4	2,941	1/4	4,148	1/4	5,354	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	553	1/2	1,760	1/2	2,966	1/2	4,173	1/2	5,379	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	578	3/4	1,785	3/4	2,991	3/4	4,198	3/4	5,404	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	603	6	1,810	6	3,016	6	4,223	6	5,429	6		6		6		6		6		6		6	
1/4	628	1/4	1,835	1/4	3,042	1/4	4,248	1/4	5,455	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	654	1/2	1,860	1/2	3,067	1/2	4,273	1/2	5,480	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	679	3/4	1,885	3/4	3,092	3/4	4,298	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	704	7	1,910	7	3,117	7	4,323	7		7		7		7		7		7		7		7	
1/4	729	1/4	1,936	1/4	3,142	1/4	4,349	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	754	1/2	1,961	1/2	3,167	1/2	4,374	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	779	3/4	1,986	3/4	3,192	3/4	4,399	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	804	8	2,011	8	3,217	8	4,424	8		8		8		8		8		8		8		8	
1/4	830	1/4	2,036	1/4	3,243	1/4	4,449	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	855	1/2	2,061	1/2	3,268	1/2	4,474	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	880	3/4	2,086	3/4	3,293	3/4	4,499	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	905	9	2,111	9	3,318	9	4,525	9		9		9		9		9		9		9		9	
1/4	930	1/4	2,137	1/4	3,343	1/4	4,550	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	955	1/2	2,162	1/2	3,368	1/2	4,575	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	980	3/4	2,187	3/4	3,393	3/4	4,600	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,005	10	2,212	10	3,419	10	4,625	10		10		10		10		10		10		10		10	
1/4	1,031	1/4	2,237	1/4	3,444	1/4	4,650	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,056	1/2	2,262	1/2	3,469	1/2	4,675	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,081	3/4	2,287	3/4	3,494	3/4	4,701	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,106	11	2,313	11	3,519	11	4,726	11		11		11		11		11		11		11		11	
1/4	1,131	1/4	2,338	1/4	3,544	1/4	4,751	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,156	1/2	2,363	1/2	3,569	1/2	4,776	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,181	3/4	2,388	3/4	3,595	3/4	4,801	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

NOTE: GAUGE POINT: TO TOP LIP OF 8" HATCH.
 NOTE: GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK
 NOTE: FOR GREATER ACCURACY, BARGE SHOULD BE UPRIGHT AND ON EVEN KEEL
 NOTE: MEASURED AND COMPUTED IN ACCORDANCE WITH API MPMS 2.7

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BARGE: HFL 3016
JEFFBOAT 16-2310

3 STBD
INNAGE TABLE
MMC

CAPACITIES GIVEN IN WHOLE GALLONS

FOR MANUAL GAUGING AT 2" BALL VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

REFERENCE GAUGE HEIGHT: 15'-11 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.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.
0	665	0	15,314	0	30,624	0	45,887	0	61,187	0	76,465	0	91,774	0	107,086	0	122,400	0	137,713	0	152,244	0	162,857	0	173,471	0	184,084	0	194,696	0	
1/4	865	1/4	15,633	1/4	30,943	1/4	46,205	1/4	61,505	1/4	76,784	1/4	92,093	1/4	107,405	1/4	122,719	1/4	138,032	1/4	152,465	1/4	163,078	1/4	173,692	1/4	184,306	1/4	194,916	1/4	
1/2	1,065	1/2	15,952	1/2	31,262	1/2	46,523	1/2	61,823	1/2	77,103	1/2	92,412	1/2	107,724	1/2	123,038	1/2	138,351	1/2	152,686	1/2	163,300	1/2	173,913	1/2	184,527	1/2	195,135	1/2	
3/4	1,265	3/4	16,271	3/4	31,581	3/4	46,841	3/4	62,142	3/4	77,421	3/4	92,731	3/4	108,043	3/4	123,357	3/4	138,670	3/4	152,907	3/4	163,521	3/4	174,134	3/4	184,748	3/4	195,355	3/4	
1	1,464	1	16,590	1	31,900	1	47,159	1	62,460	1	77,740	1	93,050	1	108,362	1	123,676	1	138,990	1	153,128	1	163,742	1	174,355	1	184,969	1	195,574	1	
1/4	1,744	1/4	16,909	1/4	32,218	1/4	47,478	1/4	62,778	1/4	78,059	1/4	93,369	1/4	108,681	1/4	123,995	1/4	139,309	1/4	153,349	1/4	163,963	1/4	174,576	1/4	185,190	1/4	195,769	1/4	
1/2	2,023	1/2	17,228	1/2	32,536	1/2	47,797	1/2	63,096	1/2	78,377	1/2	93,688	1/2	109,000	1/2	124,314	1/2	139,628	1/2	153,570	1/2	164,184	1/2	174,798	1/2	185,411	1/2	195,963	1/2	
3/4	2,302	3/4	17,547	3/4	32,854	3/4	48,116	3/4	63,414	3/4	78,696	3/4	94,007	3/4	109,319	3/4	124,633	3/4	139,947	3/4	153,792	3/4	164,405	3/4	175,019	3/4	185,632	3/4	196,158	3/4	
2	2,582	2	17,866	2	33,172	2	48,435	2	63,733	2	79,015	2	94,326	2	109,638	2	124,952	2	140,266	2	154,013	2	164,626	2	175,240	2	185,853	2	196,352	2	
1/4	2,897	1/4	18,185	1/4	33,489	1/4	48,754	1/4	64,050	1/4	79,334	1/4	94,645	1/4	109,957	1/4	125,271	1/4	140,585	1/4	154,234	1/4	164,847	1/4	175,461	1/4	186,074	1/4	196,493	1/4	
1/2	3,213	1/2	18,504	1/2	33,807	1/2	49,073	1/2	64,368	1/2	79,653	1/2	94,964	1/2	110,276	1/2	125,590	1/2	140,904	1/2	154,455	1/2	165,068	1/2	175,682	1/2	186,296	1/2	196,635	1/2	
3/4	3,528	3/4	18,823	3/4	34,125	3/4	49,392	3/4	64,686	3/4	79,972	3/4	95,283	3/4	110,595	3/4	125,909	3/4	141,223	3/4	154,676	3/4	165,290	3/4	175,903	3/4	186,517	3/4	196,776	3/4	
3	3,844	3	19,142	3	34,443	3	49,711	3	65,004	3	80,291	3	95,602	3	110,914	3	126,228	3	141,542	3	154,897	3	165,511	3	176,124	3	186,738	3	196,917	3	
1/4	4,161	1/4	19,461	1/4	34,761	1/4	50,030	1/4	65,322	1/4	80,610	1/4	95,921	1/4	111,233	1/4	126,547	1/4	141,861	1/4	155,118	1/4	165,732	1/4	176,345	1/4	186,959	1/4	197,005	1/4	
1/2	4,478	1/2	19,780	1/2	35,079	1/2	50,349	1/2	65,640	1/2	80,929	1/2	96,240	1/2	111,552	1/2	126,866	1/2	142,180	1/2	155,339	1/2	165,953	1/2	176,566	1/2	187,180	1/2	197,093	1/2	
3/4	4,796	3/4	20,100	3/4	35,397	3/4	50,668	3/4	65,958	3/4	81,248	3/4	96,559	3/4	111,871	3/4	127,185	3/4	142,499	3/4	155,560	3/4	166,174	3/4	176,788	3/4	187,401	3/4	197,181	3/4	
4	5,113	4	20,419	4	35,715	4	50,987	4	66,276	4	81,567	4	96,878	4	112,190	4	127,504	4	142,818	4	155,782	4	166,395	4	177,009	4	187,622	4	197,269	4	
1/4	5,431	1/4	20,738	1/4	36,033	1/4	51,306	1/4	66,594	1/4	81,886	1/4	97,197	1/4	112,509	1/4	127,823	1/4	143,137	1/4	156,003	1/4	166,616	1/4	177,230	1/4	187,843	1/4		1/4	
1/2	5,749	1/2	21,057	1/2	36,350	1/2	51,625	1/2	66,912	1/2	82,205	1/2	97,516	1/2	112,829	1/2	128,142	1/2	143,456	1/2	156,224	1/2	166,837	1/2	177,451	1/2	188,064	1/2	197,412	1/2	
3/4	6,066	3/4	21,376	3/4	36,668	3/4	51,944	3/4	67,230	3/4	82,524	3/4	97,835	3/4	113,148	3/4	128,461	3/4	143,775	3/4	156,445	3/4	167,058	3/4	177,672	3/4	188,286	3/4	197,634	3/4	
5	6,384	5	21,695	5	36,986	5	52,263	5	67,548	5	82,843	5	98,154	5	113,467	5	128,780	5	144,094	5	156,666	5	167,280	5	177,893	5	188,507	5	197,852	5	
1/4	6,703	1/4	22,014	1/4	37,304	1/4	52,582	1/4	67,866	1/4	83,162	1/4	98,473	1/4	113,786	1/4	129,099	1/4	144,413	1/4	156,887	1/4	167,501	1/4	178,114	1/4	188,728	1/4	197,967	1/4	
1/2	7,021	1/2	22,333	1/2	37,622	1/2	52,901	1/2	68,184	1/2	83,481	1/2	98,792	1/2	114,105	1/2	129,418	1/2	144,732	1/2	157,108	1/2	167,722	1/2	178,335	1/2	188,949	1/2	198,112	1/2	
3/4	7,340	3/4	22,652	3/4	37,940	3/4	53,220	3/4	68,502	3/4	83,800	3/4	99,111	3/4	114,424	3/4	129,737	3/4	145,051	3/4	157,329	3/4	167,943	3/4	178,557	3/4	189,170	3/4	198,276	3/4	
6	7,658	6	22,971	6	38,258	6	53,539	6	68,820	6	84,119	6	99,430	6	114,743	6	130,056	6	145,370	6	157,551	6	168,164	6	178,778	6	189,391	6	198,391	6	
1/4	7,977	1/4	23,290	1/4	38,576	1/4	53,858	1/4	69,138	1/4	84,437	1/4	99,749	1/4	115,062	1/4	130,376	1/4	145,689	1/4	157,772	1/4	168,385	1/4	178,999	1/4	189,612	1/4	198,497	1/4	
1/2	8,296	1/2	23,609	1/2	38,894	1/2	54,177	1/2	69,456	1/2	84,756	1/2	100,068	1/2	115,381	1/2	130,695	1/2	146,008	1/2	157,993	1/2	168,606	1/2	179,220	1/2	189,833	1/2	198,595	1/2	
3/4	8,615	3/4	23,927	3/4	39,211	3/4	54,496	3/4	69,774	3/4	85,075	3/4	100,387	3/4	115,700	3/4	131,014	3/4	146,327	3/4	158,214	3/4	168,827	3/4	179,441	3/4	190,055	3/4	198,697	3/4	
7	8,933	7	24,246	7	39,529	7	54,815	7	70,092	7	85,394	7	100,706	7	116,019	7	131,333	7	146,646	7	158,435	7	169,049	7	179,662	7	190,276	7	198,796	7	
1/4	9,252	1/4	24,565	1/4	39,847	1/4	55,134	1/4	70,411	1/4	85,713	1/4	101,025	1/4	116,338	1/4	131,652	1/4	146,965	1/4	158,656	1/4	169,270	1/4	179,883	1/4	190,497	1/4	198,899	1/4	
1/2	9,571	1/2	24,884	1/2	40,165	1/2	55,453	1/2	70,730	1/2	86,032	1/2	101,344	1/2	116,657	1/2	131,971	1/2	147,284	1/2	158,877	1/2	169,491	1/2	180,104	1/2	190,718	1/2	198,999	1/2	
3/4	9,890	3/4	25,203	3/4	40,483	3/4	55,772	3/4	71,048	3/4	86,351	3/4	101,663	3/4	116,976	3/4	132,290	3/4	147,603	3/4	159,098	3/4	169,712	3/4	180,325	3/4	190,939	3/4	199,112	3/4	
8	10,209	8	25,522	8	40,801	8	56,091	8	71,367	8	86,670	8	101,982	8	117,295	8	132,609	8	147,923	8	159,319	8	169,933	8	180,547	8	191,160	8	199,227	8	
1/4	10,528	1/4	25,841	1/4	41,119	1/4	56,410	1/4	71,686	1/4	86,989	1/4	102,301	1/4	117,614	1/4	132,928	1/4	148,242	1/4	159,541	1/4	170,154	1/4	180,768	1/4	191,381	1/4	199,334	1/4	
1/2	10,847	1/2	26,160	1/2	41,437	1/2	56,729	1/2	72,004	1/2	87,308	1/2	102,620	1/2	117,933	1/2	133,247	1/2	148,561	1/2	159,762	1/2	170,375	1/2	180,989	1/2	191,602	1/2	199,447	1/2	
3/4	11,167	3/4	26,479	3/4	41,755	3/4	57,048	3/4	72,323	3/4	87,627	3/4	102,939	3/4	118,252	3/4	133,566	3/4	148,880	3/4	159,983	3/4	170,596	3/4	181,210	3/4	191,823	3/4	199,562	3/4	
9	11,486	9	26,798	9	42,072	9	57,367	9	72,641	9	87,946	9	103,258	9	118,571	9	133,885	9	149,199	9	160,204	9	170,817	9	181,431	9	192,045	9	199,677	9	
1/4	11,805	1/4	27,117	1/4	42,390	1/4	57,686	1/4	72,960	1/4	88,265	1/4	103,577	1/4	118,890	1/4	134,204	1/4	149,518	1/4	160,425	1/4	171,039	1/4	181,652	1/4	192,266	1/4	199,792	1/4	
1/2	12,124	1/2	27,435	1/2	42,708	1/2	58,004	1/2	73,279	1/2	88,584	1/2	103,896	1/2	119,209	1/2	134,523	1/2	149,837	1/2	160,646	1/2	171,260	1/2	181,873	1/2	192,487	1/2	199,907	1/2	
3/4	12,443	3/4	27,754	3/4																											



BARGE: HFL 3016
JEFFBOAT 16-2310

3 PORT
INNAGE TABLE
MMC

CAPACITIES GIVEN IN WHOLE GALLONS

FOR MANUAL GAUGING AT 2" BALL VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

REFERENCE GAUGE HEIGHT: 15'-11 3/8"

Table with columns for height (0 FT. to 15 FT.) and corresponding capacity values in gallons. Includes sub-rows for 1/4, 1/2, and 3/4 increments.

NOTE: GAUGE POINT: TO TOP LIP OF BALL VALVE, ON 18" DECK PIPE.
NOTE: GAUGE POINT LOCATED NEAR GEOMETRIC CENTER OF TANK
NOTE: FOR GREATER ACCURACY, BARGE SHOULD BE UPRIGHT AND ON EVEN KEEL
NOTE: MEASURED AND COMPUTED IN ACCORDANCE WITH API MPMS 2.7

DATE STRAPPED: 03/02/2017 BY: JM
DATE COMPUTED: 04/11/2017 BY: CL
DATE ISSUED: 04/11/2017

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

Signature of Paul J. ...



BARGE: HFL 3016 JEFFBOAT 16-2310

2 STBD INNAGE TABLE MMC

CAPACITIES GIVEN IN WHOLE GALLONS

FOR MANUAL GAUGING AT 2" BALL VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

REFERENCE GAUGE HEIGHT: 15'-11 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.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.
0	665	0	15,320	0	30,647	0	45,951	0	61,268	0	76,592	0	91,919	0	107,247	0	122,574	0	137,901	0	153,228	0	168,556	0	183,883	0	199,210	0	214,536	0	
1/4	865	1/4	15,639	1/4	30,966	1/4	46,270	1/4	61,587	1/4	76,911	1/4	92,239	1/4	107,566	1/4	122,893	1/4	138,221	1/4	153,548	1/4	168,875	1/4	184,202	1/4	199,530	1/4	214,853	1/4	
1/2	1,064	1/2	15,958	1/2	31,286	1/2	46,589	1/2	61,906	1/2	77,231	1/2	92,558	1/2	107,885	1/2	123,213	1/2	138,540	1/2	153,867	1/2	169,194	1/2	184,522	1/2	199,849	1/2	215,171	1/2	
3/4	1,264	3/4	16,278	3/4	31,605	3/4	46,907	3/4	62,226	3/4	77,550	3/4	92,877	3/4	108,205	3/4	123,532	3/4	138,859	3/4	154,186	3/4	169,514	3/4	184,841	3/4	200,168	3/4	215,489	3/4	
1	1,463	1	16,597	1	31,924	1	47,226	1	62,545	1	77,869	1	93,197	1	108,524	1	123,851	1	139,178	1	154,506	1	169,833	1	185,160	1	200,488	1	215,807	1	
1/4	1,742	1/4	16,916	1/4	32,244	1/4	47,545	1/4	62,864	1/4	78,189	1/4	93,516	1/4	108,843	1/4	124,171	1/4	139,498	1/4	154,825	1/4	170,152	1/4	185,480	1/4	200,807	1/4	216,099	1/4	
1/2	2,022	1/2	17,236	1/2	32,563	1/2	47,864	1/2	63,183	1/2	78,508	1/2	93,835	1/2	109,163	1/2	124,490	1/2	139,817	1/2	155,144	1/2	170,472	1/2	185,799	1/2	201,126	1/2	216,392	1/2	
3/4	2,301	3/4	17,555	3/4	32,882	3/4	48,182	3/4	63,503	3/4	78,827	3/4	94,155	3/4	109,482	3/4	124,809	3/4	140,136	3/4	155,464	3/4	170,791	3/4	186,118	3/4	201,445	3/4	216,685	3/4	
2	2,580	2	17,874	2	33,201	2	48,501	2	63,822	2	79,147	2	94,474	2	109,801	2	125,128	2	140,456	2	155,783	2	171,110	2	186,438	2	201,765	2	216,977	2	
1/4	2,895	1/4	18,194	1/4	33,521	1/4	48,820	1/4	64,141	1/4	79,466	1/4	94,793	1/4	110,121	1/4	125,448	1/4	140,775	1/4	156,102	1/4	171,430	1/4	186,757	1/4	202,084	1/4	217,217	1/4	
1/2	3,211	1/2	18,513	1/2	33,840	1/2	49,139	1/2	64,460	1/2	79,785	1/2	95,113	1/2	110,440	1/2	125,767	1/2	141,094	1/2	156,422	1/2	171,749	1/2	187,076	1/2	202,403	1/2	217,456	1/2	
3/4	3,526	3/4	18,832	3/4	34,159	3/4	49,458	3/4	64,780	3/4	80,105	3/4	95,432	3/4	110,759	3/4	126,086	3/4	141,414	3/4	156,741	3/4	172,068	3/4	187,395	3/4	202,723	3/4	217,696	3/4	
3	3,841	3	19,152	3	34,478	3	49,777	3	65,099	3	80,424	3	95,751	3	111,079	3	126,406	3	141,733	3	157,060	3	172,388	3	187,715	3	203,042	3	217,935	3	
1/4	4,158	1/4	19,471	1/4	34,797	1/4	50,096	1/4	65,418	1/4	80,743	1/4	96,071	1/4	111,398	1/4	126,725	1/4	142,052	1/4	157,380	1/4	172,707	1/4	188,034	1/4	203,361	1/4	218,122	1/4	
1/2	4,475	1/2	19,790	1/2	35,117	1/2	50,415	1/2	65,737	1/2	81,063	1/2	96,390	1/2	111,717	1/2	127,044	1/2	142,372	1/2	157,699	1/2	173,026	1/2	188,353	1/2	203,681	1/2	218,308	1/2	
3/4	4,793	3/4	20,109	3/4	35,436	3/4	50,734	3/4	66,056	3/4	81,382	3/4	96,709	3/4	112,036	3/4	127,364	3/4	142,691	3/4	158,018	3/4	173,345	3/4	188,673	3/4	204,000	3/4	218,494	3/4	
4	5,110	4	20,429	4	35,755	4	51,053	4	66,376	4	81,701	4	97,029	4	112,356	4	127,683	4	143,010	4	158,338	4	173,665	4	188,992	4	204,319	4	218,680	4	
1/4	5,428	1/4	20,748	1/4	36,073	1/4	51,372	1/4	66,695	1/4	82,021	1/4	97,348	1/4	112,675	1/4	128,002	1/4	143,330	1/4	158,657	1/4	173,984	1/4	189,311	1/4	204,639	1/4		1/4	
1/2	5,746	1/2	21,067	1/2	36,392	1/2	51,691	1/2	67,014	1/2	82,340	1/2	97,667	1/2	112,994	1/2	128,322	1/2	143,649	1/2	158,976	1/2	174,303	1/2	189,631	1/2	204,958	1/2		1/2	
3/4	6,064	3/4	21,387	3/4	36,711	3/4	52,010	3/4	67,333	3/4	82,659	3/4	97,986	3/4	113,314	3/4	128,641	3/4	143,968	3/4	159,296	3/4	174,623	3/4	189,950	3/4	205,277	3/4		3/4	
5	6,382	5	21,706	5	37,030	5	52,329	5	67,653	5	82,979	5	98,306	5	113,633	5	128,960	5	144,288	5	159,615	5	174,942	5	190,269	5	205,597	5		5	
1/4	6,701	1/4	22,025	1/4	37,348	1/4	52,649	1/4	67,972	1/4	83,298	1/4	98,625	1/4	113,952	1/4	129,280	1/4	144,607	1/4	159,934	1/4	175,261	1/4	190,589	1/4	205,916	1/4		1/4	
1/2	7,019	1/2	22,345	1/2	37,667	1/2	52,968	1/2	68,291	1/2	83,617	1/2	98,944	1/2	114,272	1/2	129,599	1/2	144,926	1/2	160,253	1/2	175,581	1/2	190,908	1/2	206,235	1/2		1/2	
3/4	7,338	3/4	22,664	3/4	37,985	3/4	53,287	3/4	68,610	3/4	83,936	3/4	99,264	3/4	114,591	3/4	129,918	3/4	145,246	3/4	160,573	3/4	175,900	3/4	191,227	3/4	206,555	3/4		3/4	
6	7,657	6	22,983	6	38,304	6	53,606	6	68,930	6	84,256	6	99,583	6	114,910	6	130,238	6	145,565	6	160,892	6	176,219	6	191,547	6	206,874	6		6	
1/4	7,976	1/4	23,303	1/4	38,623	1/4	53,926	1/4	69,249	1/4	84,575	1/4	99,902	1/4	115,230	1/4	130,557	1/4	145,884	1/4	161,211	1/4	176,539	1/4	191,866	1/4	207,193	1/4		1/4	
1/2	8,295	1/2	23,622	1/2	38,941	1/2	54,245	1/2	69,568	1/2	84,894	1/2	100,222	1/2	115,549	1/2	130,876	1/2	146,203	1/2	161,531	1/2	176,858	1/2	192,185	1/2	207,513	1/2		1/2	
3/4	8,614	3/4	23,941	3/4	39,260	3/4	54,564	3/4	69,887	3/4	85,214	3/4	100,541	3/4	115,868	3/4	131,196	3/4	146,523	3/4	161,850	3/4	177,177	3/4	192,505	3/4	207,832	3/4		3/4	
7	8,933	7	24,261	7	39,579	7	54,883	7	70,207	7	85,533	7	100,860	7	116,188	7	131,515	7	146,842	7	162,169	7	177,497	7	192,824	7	208,151	7		7	
1/4	9,253	1/4	24,580	1/4	39,897	1/4	55,203	1/4	70,526	1/4	85,852	1/4	101,180	1/4	116,507	1/4	131,834	1/4	147,161	1/4	162,489	1/4	177,816	1/4	193,143	1/4	208,470	1/4		1/4	
1/2	9,572	1/2	24,899	1/2	40,216	1/2	55,522	1/2	70,845	1/2	86,172	1/2	101,499	1/2	116,826	1/2	132,153	1/2	147,481	1/2	162,808	1/2	178,135	1/2	193,463	1/2	208,790	1/2		1/2	
3/4	9,891	3/4	25,219	3/4	40,535	3/4	55,841	3/4	71,164	3/4	86,491	3/4	101,818	3/4	117,146	3/4	132,473	3/4	147,800	3/4	163,127	3/4	178,455	3/4	193,782	3/4	209,109	3/4		3/4	
8	10,211	8	25,538	8	40,853	8	56,160	8	71,484	8	86,810	8	102,138	8	117,465	8	132,792	8	148,119	8	163,447	8	178,774	8	194,101	8	209,428	8		8	
1/4	10,530	1/4	25,857	1/4	41,172	1/4	56,479	1/4	71,803	1/4	87,130	1/4	102,457	1/4	117,784	1/4	133,111	1/4	148,439	1/4	163,766	1/4	179,093	1/4	194,420	1/4	209,748	1/4		1/4	
1/2	10,849	1/2	26,176	1/2	41,490	1/2	56,799	1/2	72,122	1/2	87,449	1/2	102,776	1/2	118,103	1/2	133,431	1/2	148,758	1/2	164,085	1/2	179,413	1/2	194,740	1/2	210,067	1/2		1/2	
3/4	11,169	3/4	26,496	3/4	41,809	3/4	57,118	3/4	72,441	3/4	87,768	3/4	103,096	3/4	118,423	3/4	133,750	3/4	149,077	3/4	164,405	3/4	179,732	3/4	195,059	3/4	210,386	3/4		3/4	
9	11,488	9	26,815	9	42,128	9	57,437	9	72,761	9	88,088	9	103,415	9	118,742	9	134,069	9	149,397	9	164,724	9	180,051	9	195,378	9	210,706	9		9	
1/4	11,807	1/4	27,134	1/4	42,446	1/4	57,756	1/4	73,080	1/4	88,407	1/4	103,734	1/4	119,061	1/4	134,389	1/4	149,716	1/4	165,043	1/4	180,370	1/4	195,698	1/4	211,025	1/4		1/4	
1/2	12,127	1/2	27,454	1/2	42,765	1/2	58,076	1/2	73,399	1/2	88,726	1/2	104,054	1/2	119,381	1/2	134,708	1/2	150,035	1/2	165,363	1/2	180,690	1/2	196,017	1/2	211,344	1/2		1/2	
3/4	12,446	3/4	27,773	3/4	43,084	3/4	58,395	3/4	73,719	3/4	89,046	3/4	104,373	3/4	119,700	3/4	135,027	3/4	150,355	3/4	165,682	3/4	181,009	3/4	196,336	3/4	211,664	3/4		3/4	
10	12,765	10																													



BARGE: HFL 3016
JEFFBOAT 16-2310

2 PORT
INNAGE TABLE
MMC

CAPACITIES GIVEN IN WHOLE GALLONS

FOR MANUAL GAUGING AT 2" BALL VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

REFERENCE GAUGE HEIGHT: 15'-11 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.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.
0	666	0	15,349	0	30,705	0	46,056	0	61,411	0	76,768	0	92,124	0	107,480	0	122,837	0	138,193	0	153,550	0	168,906	0	184,262	0	199,619	0	214,973	0	
1/4	866	1/4	15,669	1/4	31,025	1/4	46,376	1/4	61,731	1/4	77,088	1/4	92,444	1/4	107,800	1/4	123,157	1/4	138,513	1/4	153,870	1/4	169,226	1/4	184,582	1/4	199,939	1/4	215,292	1/4	
1/2	1,066	1/2	15,989	1/2	31,345	1/2	46,696	1/2	62,051	1/2	77,407	1/2	92,764	1/2	108,120	1/2	123,477	1/2	138,833	1/2	154,189	1/2	169,546	1/2	184,902	1/2	200,259	1/2	215,610	1/2	
3/4	1,266	3/4	16,309	3/4	31,665	3/4	47,016	3/4	62,371	3/4	77,727	3/4	93,084	3/4	108,440	3/4	123,797	3/4	139,153	3/4	154,509	3/4	169,866	3/4	185,222	3/4	200,579	3/4	215,929	3/4	
1	1,466	1	16,629	1	31,985	1	47,335	1	62,691	1	78,047	1	93,404	1	108,760	1	124,117	1	139,473	1	154,829	1	170,186	1	185,542	1	200,899	1	216,247	1	
1/4	1,746	1/4	16,948	1/4	32,305	1/4	47,655	1/4	63,011	1/4	78,367	1/4	93,724	1/4	109,080	1/4	124,436	1/4	139,793	1/4	155,149	1/4	170,506	1/4	185,862	1/4	201,218	1/4	216,540	1/4	
1/2	2,026	1/2	17,268	1/2	32,625	1/2	47,975	1/2	63,331	1/2	78,687	1/2	94,044	1/2	109,400	1/2	124,756	1/2	140,113	1/2	155,469	1/2	170,826	1/2	186,182	1/2	201,538	1/2	216,833	1/2	
3/4	2,305	3/4	17,588	3/4	32,945	3/4	48,295	3/4	63,651	3/4	79,007	3/4	94,363	3/4	109,720	3/4	125,076	3/4	140,433	3/4	155,789	3/4	171,146	3/4	186,502	3/4	201,858	3/4	217,126	3/4	
2	2,585	2	17,908	2	33,265	2	48,615	2	63,971	2	79,327	2	94,683	2	110,040	2	125,396	2	140,753	2	156,109	2	171,465	2	186,822	2	202,178	2	217,420	2	
1/4	2,901	1/4	18,228	1/4	33,585	1/4	48,935	1/4	64,291	1/4	79,647	1/4	95,003	1/4	110,360	1/4	125,716	1/4	141,073	1/4	156,429	1/4	171,785	1/4	187,142	1/4	202,498	1/4	217,660	1/4	
1/2	3,217	1/2	18,548	1/2	33,904	1/2	49,255	1/2	64,610	1/2	79,967	1/2	95,323	1/2	110,680	1/2	126,036	1/2	141,392	1/2	156,749	1/2	172,105	1/2	187,462	1/2	202,818	1/2	217,900	1/2	
3/4	3,533	3/4	18,868	3/4	34,224	3/4	49,574	3/4	64,930	3/4	80,287	3/4	95,643	3/4	111,000	3/4	126,356	3/4	141,712	3/4	157,069	3/4	172,425	3/4	187,782	3/4	203,138	3/4	218,140	3/4	
3	3,849	3	19,188	3	34,544	3	49,894	3	65,250	3	80,607	3	95,963	3	111,319	3	126,676	3	142,032	3	157,389	3	172,745	3	188,102	3	203,458	3	218,379	3	
1/4	4,166	1/4	19,508	1/4	34,864	1/4	50,214	1/4	65,570	1/4	80,927	1/4	96,283	1/4	111,639	1/4	126,996	1/4	142,352	1/4	157,709	1/4	173,065	1/4	188,421	1/4	203,778	1/4	218,566	1/4	
1/2	4,484	1/2	19,828	1/2	35,184	1/2	50,534	1/2	65,890	1/2	81,247	1/2	96,603	1/2	111,959	1/2	127,316	1/2	142,672	1/2	158,029	1/2	173,385	1/2	188,741	1/2	204,098	1/2	218,753	1/2	
3/4	4,802	3/4	20,148	3/4	35,504	3/4	50,854	3/4	66,210	3/4	81,566	3/4	96,923	3/4	112,279	3/4	127,636	3/4	142,992	3/4	158,349	3/4	173,705	3/4	189,061	3/4	204,418	3/4	218,939	3/4	
4	5,119	4	20,468	4	35,824	4	51,174	4	66,530	4	81,886	4	97,243	4	112,599	4	127,956	4	143,312	4	158,668	4	174,025	4	189,381	4	204,738	4	219,126	4	
1/4	5,438	1/4	20,788	1/4	36,144	1/4	51,494	1/4	66,850	1/4	82,206	1/4	97,563	1/4	112,919	1/4	128,276	1/4	143,632	1/4	158,988	1/4	174,345	1/4	189,701	1/4	205,058	1/4	219,410	1/4	
1/2	5,757	1/2	21,107	1/2	36,464	1/2	51,814	1/2	67,170	1/2	82,526	1/2	97,883	1/2	113,239	1/2	128,595	1/2	143,952	1/2	159,308	1/2	174,665	1/2	190,021	1/2	205,378	1/2	219,692	1/2	
3/4	6,075	3/4	21,427	3/4	36,784	3/4	52,134	3/4	67,490	3/4	82,846	3/4	98,203	3/4	113,559	3/4	128,915	3/4	144,272	3/4	159,628	3/4	174,985	3/4	190,341	3/4	205,697	3/4	219,974	3/4	
5	6,394	5	21,747	5	37,104	5	52,454	5	67,810	5	83,166	5	98,522	5	113,879	5	129,235	5	144,592	5	159,948	5	175,305	5	190,661	5	206,017	5	220,256	5	
1/4	6,714	1/4	22,067	1/4	37,423	1/4	52,774	1/4	68,130	1/4	83,486	1/4	98,842	1/4	114,199	1/4	129,555	1/4	144,912	1/4	160,268	1/4	175,624	1/4	190,981	1/4	206,337	1/4	220,538	1/4	
1/2	7,033	1/2	22,387	1/2	37,743	1/2	53,093	1/2	68,450	1/2	83,806	1/2	99,162	1/2	114,519	1/2	129,875	1/2	145,232	1/2	160,588	1/2	175,944	1/2	191,301	1/2	206,657	1/2	220,820	1/2	
3/4	7,352	3/4	22,707	3/4	38,063	3/4	53,413	3/4	68,769	3/4	84,126	3/4	99,482	3/4	114,839	3/4	130,195	3/4	145,551	3/4	160,908	3/4	176,264	3/4	191,621	3/4	206,977	3/4	221,102	3/4	
6	7,672	6	23,027	6	38,383	6	53,733	6	69,089	6	84,446	6	99,802	6	115,159	6	130,515	6	145,871	6	161,228	6	176,584	6	191,941	6	207,297	6	221,384	6	
1/4	7,991	1/4	23,347	1/4	38,702	1/4	54,053	1/4	69,409	1/4	84,766	1/4	100,122	1/4	115,479	1/4	130,835	1/4	146,191	1/4	161,548	1/4	176,904	1/4	192,261	1/4	207,617	1/4	221,666	1/4	
1/2	8,311	1/2	23,667	1/2	39,022	1/2	54,373	1/2	69,729	1/2	85,086	1/2	100,442	1/2	115,798	1/2	131,155	1/2	146,511	1/2	161,868	1/2	177,224	1/2	192,580	1/2	207,937	1/2	221,948	1/2	
3/4	8,631	3/4	23,987	3/4	39,342	3/4	54,693	3/4	70,049	3/4	85,406	3/4	100,762	3/4	116,118	3/4	131,475	3/4	146,831	3/4	162,188	3/4	177,544	3/4	192,900	3/4	208,257	3/4	222,230	3/4	
7	8,950	7	24,307	7	39,662	7	55,013	7	70,369	7	85,725	7	101,082	7	116,438	7	131,795	7	147,151	7	162,508	7	177,864	7	193,220	7	208,577	7	222,512	7	
1/4	9,270	1/4	24,627	1/4	39,981	1/4	55,333	1/4	70,689	1/4	86,045	1/4	101,402	1/4	116,758	1/4	132,115	1/4	147,471	1/4	162,827	1/4	178,184	1/4	193,540	1/4	208,897	1/4	222,794	1/4	
1/2	9,590	1/2	24,947	1/2	40,301	1/2	55,653	1/2	71,009	1/2	86,365	1/2	101,722	1/2	117,078	1/2	132,435	1/2	147,791	1/2	163,147	1/2	178,504	1/2	193,860	1/2	209,217	1/2	223,076	1/2	
3/4	9,910	3/4	25,267	3/4	40,621	3/4	55,973	3/4	71,329	3/4	86,685	3/4	102,042	3/4	117,398	3/4	132,754	3/4	148,111	3/4	163,467	3/4	178,824	3/4	194,180	3/4	209,537	3/4	223,358	3/4	
8	10,230	8	25,586	8	40,941	8	56,293	8	71,649	8	87,005	8	102,362	8	117,718	8	133,074	8	148,431	8	163,787	8	179,144	8	194,500	8	209,856	8	223,640	8	
1/4	10,550	1/4	25,906	1/4	41,260	1/4	56,613	1/4	71,969	1/4	87,325	1/4	102,682	1/4	118,038	1/4	133,394	1/4	148,751	1/4	164,107	1/4	179,464	1/4	194,820	1/4	210,176	1/4	223,922	1/4	
1/2	10,870	1/2	26,226	1/2	41,580	1/2	56,932	1/2	72,289	1/2	87,645	1/2	103,001	1/2	118,358	1/2	133,714	1/2	149,071	1/2	164,427	1/2	179,783	1/2	195,140	1/2	210,496	1/2	224,204	1/2	
3/4	11,190	3/4	26,546	3/4	41,900	3/4	57,252	3/4	72,609	3/4	87,965	3/4	103,321	3/4	118,678	3/4	134,034	3/4	149,391	3/4	164,747	3/4	180,103	3/4	195,460	3/4	210,816	3/4	224,486	3/4	
9	11,510	9	26,866	9	42,220	9	57,572	9	72,928	9	88,285	9	103,641	9	118,998	9	134,354	9	149,711	9	165,067	9	180,423	9	195,780	9	211,136	9	224,768	9	
1/4	11,830	1/4	27,186	1/4	42,539	1/4	57,892	1/4	73,248	1/4	88,605	1/4	103,961	1/4	119,318	1/4	134,674	1/4	150,030	1/4	165,387	1/4	180,743	1/4	196,100	1/4	211,456	1/4	225,050	1/4	
1/2	12,150	1/2	27,506	1/2	42,859	1/2	58,212	1/2	73,568	1/2	88,925	1/2	104,281	1/2	119,638	1/2	134,994	1/2	150,350	1/2	165,707	1/2	181,063	1/2	196,420	1/2	211,776	1/2	225,332	1/2	
3/4	12,469	3/4	27,826																												



BARGE: HFL 3016

JEFFBOAT 16-2310

1 STBD INNAGE TABLE MMC

CAPACITIES GIVEN IN WHOLE GALLONS

FOR MANUAL GAUGING AT 2" BALL VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

REFERENCE GAUGE HEIGHT: 15'-11 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.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.
0	627	0	11,789	0	25,786	0	40,195	0	54,590	0	68,993	0	83,401	0	97,809	0	112,218	0	126,626	0	141,034	0	155,443	0	169,851	0	184,260	0	198,666	0	
1/4	737	1/4	12,062	1/4	26,087	1/4	40,495	1/4	54,890	1/4	69,293	1/4	83,701	1/4	98,109	1/4	112,518	1/4	126,926	1/4	141,335	1/4	155,743	1/4	170,151	1/4	184,560	1/4	198,965	1/4	
1/2	847	1/2	12,334	1/2	26,387	1/2	40,795	1/2	55,190	1/2	69,593	1/2	84,001	1/2	98,410	1/2	112,818	1/2	127,226	1/2	141,635	1/2	156,043	1/2	170,452	1/2	184,860	1/2	199,264	1/2	
3/4	957	3/4	12,607	3/4	26,687	3/4	41,095	3/4	55,489	3/4	69,893	3/4	84,301	3/4	98,710	3/4	113,118	3/4	127,527	3/4	141,935	3/4	156,343	3/4	170,752	3/4	185,160	3/4	199,562	3/4	
1	1,067	1	12,880	1	26,987	1	41,396	1	55,789	1	70,193	1	84,602	1	99,010	1	113,418	1	127,827	1	142,235	1	156,644	1	171,052	1	185,460	1	199,861	1	
1/4	1,256	1/4	13,158	1/4	27,287	1/4	41,696	1/4	56,089	1/4	70,494	1/4	84,902	1/4	99,310	1/4	113,719	1/4	128,127	1/4	142,535	1/4	156,944	1/4	171,352	1/4	185,761	1/4	200,136	1/4	
1/2	1,445	1/2	13,435	1/2	27,587	1/2	41,996	1/2	56,389	1/2	70,794	1/2	85,202	1/2	99,610	1/2	114,019	1/2	128,427	1/2	142,836	1/2	157,244	1/2	171,652	1/2	186,061	1/2	200,411	1/2	
3/4	1,635	3/4	13,712	3/4	27,888	3/4	42,296	3/4	56,689	3/4	71,094	3/4	85,502	3/4	99,911	3/4	114,319	3/4	128,727	3/4	143,136	3/4	157,544	3/4	171,952	3/4	186,361	3/4	200,686	3/4	
2	1,824	2	13,989	2	28,188	2	42,596	2	56,988	2	71,394	2	85,802	2	100,211	2	114,619	2	129,027	2	143,436	2	157,844	2	172,253	2	186,661	2	200,962	2	
1/4	2,051	1/4	14,270	1/4	28,488	1/4	42,896	1/4	57,288	1/4	71,694	1/4	86,102	1/4	100,511	1/4	114,919	1/4	129,328	1/4	143,736	1/4	158,144	1/4	172,553	1/4	186,961	1/4	201,187	1/4	
1/2	2,278	1/2	14,552	1/2	28,788	1/2	43,197	1/2	57,588	1/2	71,994	1/2	86,403	1/2	100,811	1/2	115,219	1/2	129,628	1/2	144,036	1/2	158,445	1/2	172,853	1/2	187,261	1/2	201,412	1/2	
3/4	2,506	3/4	14,833	3/4	29,088	3/4	43,497	3/4	57,888	3/4	72,295	3/4	86,703	3/4	101,111	3/4	115,520	3/4	129,928	3/4	144,336	3/4	158,745	3/4	173,153	3/4	187,562	3/4	201,637	3/4	
3	2,733	3	15,114	3	29,389	3	43,797	3	58,188	3	72,595	3	87,003	3	101,411	3	115,820	3	130,228	3	144,637	3	159,045	3	173,453	3	187,862	3	201,862	3	
1/4	2,966	1/4	15,400	1/4	29,689	1/4	44,097	1/4	58,488	1/4	72,895	1/4	87,303	1/4	101,712	1/4	116,120	1/4	130,528	1/4	144,937	1/4	159,345	1/4	173,754	1/4	188,162	1/4	202,037	1/4	
1/2	3,199	1/2	15,685	1/2	29,989	1/2	44,397	1/2	58,788	1/2	73,195	1/2	87,603	1/2	102,012	1/2	116,420	1/2	130,829	1/2	145,237	1/2	159,645	1/2	174,054	1/2	188,462	1/2	202,212	1/2	
3/4	3,432	3/4	15,971	3/4	30,289	3/4	44,697	3/4	59,088	3/4	73,495	3/4	87,904	3/4	102,312	3/4	116,720	3/4	131,129	3/4	145,537	3/4	159,945	3/4	174,354	3/4	188,762	3/4	202,387	3/4	
4	3,665	4	16,256	4	30,589	4	44,998	4	59,388	4	73,795	4	88,204	4	102,612	4	117,020	4	131,429	4	145,837	4	160,246	4	174,654	4	189,062	4	202,562	4	
1/4	3,904	1/4	16,546	1/4	30,889	1/4	45,298	1/4	59,688	1/4	74,096	1/4	88,504	1/4	102,912	1/4	117,321	1/4	131,729	1/4	146,137	1/4	160,546	1/4	174,954	1/4	189,363	1/4		1/4	
1/2	4,142	1/2	16,836	1/2	31,190	1/2	45,598	1/2	59,988	1/2	74,396	1/2	88,804	1/2	103,212	1/2	117,621	1/2	132,029	1/2	146,438	1/2	160,846	1/2	175,254	1/2	189,663	1/2		1/2	
3/4	4,380	3/4	17,125	3/4	31,490	3/4	45,898	3/4	60,288	3/4	74,696	3/4	89,104	3/4	103,513	3/4	117,921	3/4	132,329	3/4	146,738	3/4	161,146	3/4	175,553	3/4	189,963	3/4		3/4	
5	4,618	5	17,415	5	31,790	5	46,198	5	60,588	5	74,996	5	89,404	5	103,813	5	118,221	5	132,630	5	147,038	5	161,446	5	175,855	5	190,263	5		5	
1/4	4,862	1/4	17,709	1/4	32,090	1/4	46,498	1/4	60,888	1/4	75,296	1/4	89,705	1/4	104,113	1/4	118,521	1/4	132,930	1/4	147,338	1/4	161,747	1/4	176,155	1/4	190,563	1/4		1/4	
1/2	5,105	1/2	18,003	1/2	32,390	1/2	46,798	1/2	61,188	1/2	75,596	1/2	90,005	1/2	104,413	1/2	118,822	1/2	133,230	1/2	147,638	1/2	162,047	1/2	176,455	1/2	190,864	1/2		1/2	
3/4	5,348	3/4	18,297	3/4	32,690	3/4	47,097	3/4	61,489	3/4	75,897	3/4	90,305	3/4	104,713	3/4	119,122	3/4	133,530	3/4	147,938	3/4	162,347	3/4	176,755	3/4	191,164	3/4		3/4	
6	5,591	6	18,591	6	32,991	6	47,397	6	61,789	6	76,197	6	90,605	6	105,013	6	119,422	6	133,830	6	148,239	6	162,647	6	177,055	6	191,464	6		6	
1/4	5,838	1/4	18,889	1/4	33,291	1/4	47,697	1/4	62,089	1/4	76,497	1/4	90,905	1/4	105,314	1/4	119,722	1/4	134,130	1/4	148,539	1/4	162,947	1/4	177,356	1/4	191,764	1/4		1/4	
1/2	6,086	1/2	19,187	1/2	33,591	1/2	47,997	1/2	62,389	1/2	76,797	1/2	91,205	1/2	105,614	1/2	120,022	1/2	134,431	1/2	148,839	1/2	163,247	1/2	177,656	1/2	192,064	1/2		1/2	
3/4	6,334	3/4	19,485	3/4	33,891	3/4	48,296	3/4	62,689	3/4	77,097	3/4	91,506	3/4	105,914	3/4	120,322	3/4	134,731	3/4	149,139	3/4	163,548	3/4	177,956	3/4	192,364	3/4		3/4	
7	6,581	7	19,783	7	34,191	7	48,596	7	62,989	7	77,397	7	91,806	7	106,214	7	120,623	7	135,031	7	149,439	7	163,848	7	178,256	7	192,665	7		7	
1/4	6,833	1/4	20,083	1/4	34,491	1/4	48,896	1/4	63,290	1/4	77,698	1/4	92,106	1/4	106,514	1/4	120,923	1/4	135,331	1/4	149,740	1/4	164,148	1/4	178,556	1/4	192,965	1/4		1/4	
1/2	7,085	1/2	20,383	1/2	34,792	1/2	49,195	1/2	63,590	1/2	77,998	1/2	92,406	1/2	106,815	1/2	121,223	1/2	135,631	1/2	150,040	1/2	164,448	1/2	178,857	1/2	193,265	1/2		1/2	
3/4	7,337	3/4	20,683	3/4	35,092	3/4	49,495	3/4	63,890	3/4	78,298	3/4	92,706	3/4	107,115	3/4	121,523	3/4	135,932	3/4	150,340	3/4	164,748	3/4	179,157	3/4	193,565	3/4		3/4	
8	7,589	8	20,984	8	35,392	8	49,795	8	64,190	8	78,598	8	93,006	8	107,415	8	121,823	8	136,232	8	150,640	8	165,048	8	179,457	8	193,865	8		8	
1/4	7,845	1/4	21,284	1/4	35,692	1/4	50,095	1/4	64,490	1/4	78,898	1/4	93,307	1/4	107,715	1/4	122,123	1/4	136,532	1/4	150,940	1/4	165,349	1/4	179,757	1/4	194,165	1/4		1/4	
1/2	8,101	1/2	21,584	1/2	35,992	1/2	50,394	1/2	64,790	1/2	79,198	1/2	93,607	1/2	108,015	1/2	122,424	1/2	136,832	1/2	151,240	1/2	165,649	1/2	180,057	1/2	194,466	1/2		1/2	
3/4	8,358	3/4	21,884	3/4	36,293	3/4	50,694	3/4	65,091	3/4	79,499	3/4	93,907	3/4	108,315	3/4	122,724	3/4	137,132	3/4	151,541	3/4	165,949	3/4	180,357	3/4	194,766	3/4		3/4	
9	8,614	9	22,184	9	36,593	9	50,994	9	65,391	9	79,799	9	94,207	9	108,616	9	123,024	9	137,432	9	151,841	9	166,249	9	180,658	9	195,066	9		9	
1/4	8,874	1/4	22,484	1/4	36,893	1/4	51,293	1/4	65,691	1/4	80,099	1/4	94,507	1/4	108,916	1/4	123,324	1/4	137,733	1/4	152,141	1/4	166,549	1/4	180,958	1/4	195,366	1/4		1/4	
1/2	9,135	1/2	22,785	1/2	37,193	1/2	51,593	1/2	65,991	1/2	80,399	1/2	94,808	1/2	109,216	1/2	123,624	1/2	138,033	1/2	152,441	1/2	166,850	1/2	181,258	1/2	195,666	1/2		1/2	
3/4	9,395	3/4	23,085	3/4	37,493	3/4	51,893	3/4	66,291	3/4	80,699	3/4	95,108	3/4	109,516	3/4	123,925	3/4	138,333	3/4	152,741	3									



BARGE: HFL 3016

JEFFBOAT 16-2310

1 PORT

INNAGE TABLE

MMC

CAPACITIES GIVEN IN WHOLE GALLONS

FOR MANUAL GAUGING AT 2" BALL VALVE LOCATED NEAR GEOMETRIC CENTER OF TANK

REFERENCE GAUGE HEIGHT: 15'-11 1/8"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.
0	627	0	11,789	0	25,786	0	40,195	0	54,599	0	69,004	0	83,413	0	97,821	0	112,229	0	126,638	0	141,046	0	155,455	0	169,863	0	184,271	0	198,678	0	
1/4	737	1/4	12,062	1/4	26,087	1/4	40,495	1/4	54,899	1/4	69,305	1/4	83,713	1/4	98,121	1/4	112,530	1/4	126,938	1/4	141,346	1/4	155,755	1/4	170,163	1/4	184,572	1/4	198,977	1/4	
1/2	847	1/2	12,334	1/2	26,387	1/2	40,795	1/2	55,199	1/2	69,605	1/2	84,013	1/2	98,421	1/2	112,830	1/2	127,238	1/2	141,647	1/2	156,055	1/2	170,463	1/2	184,872	1/2	199,275	1/2	
3/4	957	3/4	12,607	3/4	26,687	3/4	41,095	3/4	55,499	3/4	69,905	3/4	84,313	3/4	98,722	3/4	113,130	3/4	127,538	3/4	141,947	3/4	156,355	3/4	170,764	3/4	185,172	3/4	199,574	3/4	
1	1,067	1	12,880	1	26,987	1	41,396	1	55,799	1	70,205	1	84,613	1	99,022	1	113,430	1	127,839	1	142,247	1	156,655	1	171,064	1	185,472	1	199,873	1	
1/4	1,256	1/4	13,158	1/4	27,287	1/4	41,696	1/4	56,099	1/4	70,505	1/4	84,914	1/4	99,322	1/4	113,730	1/4	128,139	1/4	142,547	1/4	156,955	1/4	171,364	1/4	185,772	1/4	200,148	1/4	
1/2	1,445	1/2	13,435	1/2	27,587	1/2	41,996	1/2	56,399	1/2	70,805	1/2	85,214	1/2	99,622	1/2	114,030	1/2	128,439	1/2	142,847	1/2	157,256	1/2	171,664	1/2	186,072	1/2	200,423	1/2	
3/4	1,635	3/4	13,712	3/4	27,888	3/4	42,296	3/4	56,699	3/4	71,106	3/4	85,514	3/4	99,922	3/4	114,331	3/4	128,739	3/4	143,147	3/4	157,556	3/4	171,964	3/4	186,373	3/4	200,698	3/4	
2	1,824	2	13,989	2	28,188	2	42,596	2	56,999	2	71,406	2	85,814	2	100,222	2	114,631	2	129,039	2	143,448	2	157,856	2	172,264	2	186,673	2	200,973	2	
1/4	2,051	1/4	14,270	1/4	28,488	1/4	42,896	1/4	57,299	1/4	71,706	1/4	86,114	1/4	100,523	1/4	114,931	1/4	129,339	1/4	143,748	1/4	158,156	1/4	172,565	1/4	186,973	1/4	201,198	1/4	
1/2	2,278	1/2	14,552	1/2	28,788	1/2	43,197	1/2	57,599	1/2	72,006	1/2	86,414	1/2	100,823	1/2	115,231	1/2	129,640	1/2	144,048	1/2	158,456	1/2	172,865	1/2	187,273	1/2	201,424	1/2	
3/4	2,506	3/4	14,833	3/4	29,088	3/4	43,497	3/4	57,899	3/4	72,306	3/4	86,715	3/4	101,123	3/4	115,531	3/4	129,940	3/4	144,348	3/4	158,757	3/4	173,165	3/4	187,573	3/4	201,649	3/4	
3	2,733	3	15,114	3	29,389	3	43,797	3	58,199	3	72,606	3	87,015	3	101,423	3	115,832	3	130,240	3	144,648	3	159,057	3	173,465	3	187,873	3	201,874	3	
1/4	2,966	1/4	15,400	1/4	29,689	1/4	44,097	1/4	58,499	1/4	72,907	1/4	87,315	1/4	101,723	1/4	116,132	1/4	130,540	1/4	144,948	1/4	159,357	1/4	173,765	1/4	188,174	1/4	202,049	1/4	
1/2	3,199	1/2	15,685	1/2	29,989	1/2	44,397	1/2	58,799	1/2	73,207	1/2	87,615	1/2	102,023	1/2	116,432	1/2	130,840	1/2	145,249	1/2	159,657	1/2	174,065	1/2	188,474	1/2	202,224	1/2	
3/4	3,432	3/4	15,971	3/4	30,289	3/4	44,697	3/4	59,099	3/4	73,507	3/4	87,915	3/4	102,324	3/4	116,732	3/4	131,140	3/4	145,549	3/4	159,957	3/4	174,366	3/4	188,774	3/4	202,399	3/4	
4	3,665	4	16,256	4	30,589	4	44,998	4	59,399	4	73,807	4	88,215	4	102,624	4	117,032	4	131,441	4	145,849	4	160,257	4	174,666	4	189,074	4	202,574	4	
1/4	3,904	1/4	16,546	1/4	30,889	1/4	45,298	1/4	59,699	1/4	74,107	1/4	88,516	1/4	102,924	1/4	117,332	1/4	131,741	1/4	146,149	1/4	160,558	1/4	174,966	1/4	189,374	1/4		1/4	
1/2	4,142	1/2	16,836	1/2	31,190	1/2	45,598	1/2	60,000	1/2	74,407	1/2	88,816	1/2	103,224	1/2	117,633	1/2	132,041	1/2	146,449	1/2	160,858	1/2	175,266	1/2	189,675	1/2		1/2	
3/4	4,380	3/4	17,125	3/4	31,490	3/4	45,898	3/4	60,300	3/4	74,708	3/4	89,116	3/4	103,524	3/4	117,933	3/4	132,341	3/4	146,750	3/4	161,158	3/4	175,566	3/4	189,975	3/4		3/4	
5	4,618	5	17,415	5	31,790	5	46,198	5	60,600	5	75,008	5	89,416	5	103,825	5	118,233	5	132,641	5	147,050	5	161,458	5	175,866	5	190,275	5		5	
1/4	4,862	1/4	17,709	1/4	32,090	1/4	46,498	1/4	60,900	1/4	75,308	1/4	89,716	1/4	104,125	1/4	118,533	1/4	132,941	1/4	147,350	1/4	161,758	1/4	176,167	1/4	190,575	1/4		1/4	
1/2	5,105	1/2	18,003	1/2	32,390	1/2	46,799	1/2	61,200	1/2	75,608	1/2	90,016	1/2	104,425	1/2	118,833	1/2	133,242	1/2	147,650	1/2	162,058	1/2	176,467	1/2	190,875	1/2		1/2	
3/4	5,348	3/4	18,297	3/4	32,690	3/4	47,099	3/4	61,500	3/4	75,908	3/4	90,317	3/4	104,725	3/4	119,133	3/4	133,542	3/4	147,950	3/4	162,359	3/4	176,767	3/4	191,175	3/4		3/4	
6	5,591	6	18,591	6	32,991	6	47,399	6	61,800	6	76,208	6	90,617	6	105,025	6	119,434	6	133,842	6	148,250	6	162,659	6	177,067	6	191,476	6		6	
1/4	5,838	1/4	18,889	1/4	33,291	1/4	47,699	1/4	62,101	1/4	76,509	1/4	90,917	1/4	105,325	1/4	119,734	1/4	134,142	1/4	148,551	1/4	162,959	1/4	177,367	1/4	191,776	1/4		1/4	
1/2	6,086	1/2	19,187	1/2	33,591	1/2	47,999	1/2	62,401	1/2	76,809	1/2	91,217	1/2	105,626	1/2	120,034	1/2	134,442	1/2	148,851	1/2	163,259	1/2	177,668	1/2	192,076	1/2		1/2	
3/4	6,334	3/4	19,485	3/4	33,891	3/4	48,300	3/4	62,701	3/4	77,109	3/4	91,517	3/4	105,926	3/4	120,334	3/4	134,743	3/4	149,151	3/4	163,559	3/4	177,968	3/4	192,376	3/4		3/4	
7	6,581	7	19,783	7	34,191	7	48,600	7	63,001	7	77,409	7	91,818	7	106,226	7	120,634	7	135,043	7	149,451	7	163,859	7	178,268	7	192,676	7		7	
1/4	6,833	1/4	20,083	1/4	34,491	1/4	48,900	1/4	63,301	1/4	77,709	1/4	92,118	1/4	106,526	1/4	120,934	1/4	135,343	1/4	149,751	1/4	164,160	1/4	178,568	1/4	192,976	1/4		1/4	
1/2	7,085	1/2	20,383	1/2	34,792	1/2	49,200	1/2	63,601	1/2	78,009	1/2	92,418	1/2	106,826	1/2	121,235	1/2	135,643	1/2	150,051	1/2	164,460	1/2	178,868	1/2	193,277	1/2		1/2	
3/4	7,337	3/4	20,683	3/4	35,092	3/4	49,500	3/4	63,902	3/4	78,310	3/4	92,718	3/4	107,126	3/4	121,535	3/4	135,943	3/4	150,352	3/4	164,760	3/4	179,168	3/4	193,577	3/4		3/4	
8	7,589	8	20,984	8	35,392	8	49,800	8	64,202	8	78,610	8	93,018	8	107,427	8	121,835	8	136,243	8	150,652	8	165,060	8	179,469	8	193,877	8		8	
1/4	7,845	1/4	21,284	1/4	35,692	1/4	50,100	1/4	64,502	1/4	78,910	1/4	93,318	1/4	107,727	1/4	122,135	1/4	136,544	1/4	150,952	1/4	165,360	1/4	179,769	1/4	194,177	1/4		1/4	
1/2	8,101	1/2	21,584	1/2	35,992	1/2	50,400	1/2	64,802	1/2	79,210	1/2	93,619	1/2	108,027	1/2	122,435	1/2	136,844	1/2	151,252	1/2	165,661	1/2	180,069	1/2	194,477	1/2		1/2	
3/4	8,358	3/4	21,884	3/4	36,293	3/4	50,699	3/4	65,102	3/4	79,510	3/4	93,919	3/4	108,327	3/4	122,736	3/4	137,144	3/4	151,552	3/4	165,961	3/4	180,369	3/4	194,778	3/4		3/4	
9	8,614	9	22,184	9	36,593	9	50,999	9	65,402	9	79,811	9	94,219	9	108,627	9	123,036	9	137,444	9	151,853	9	166,261	9	180,669	9	195,078	9		9	
1/4	8,874	1/4	22,484	1/4	36,893	1/4	51,299	1/4	65,703	1/4	80,111	1/4	94,519	1/4	108,927	1/4	123,336	1/4	137,744	1/4	152,153	1/4	166,561	1/4	180,969	1/4	195,378	1/4		1/4	
1/2	9,135	1/2	22,785	1/2	37,193	1/2	51,599	1/2	66,003	1/2	80,411	1/2	94,819	1/2	109,228	1/2	123,636	1/2	138,044	1/2	152,453	1/2	166,861	1/2	181,270	1/2	195,678	1/2		1/2	
3/4	9,395	3/4	23,085	3/4	37,493	3/4	51,899	3/4	66,303	3/4	80,711	3/4	95,119	3/4	109,528	3/4	123,936	3/4	138,345	3/4	152,753	3/4	167,161	3/4	181,570	3/4	195,978	3/4		3/4	
10	9,655	10	23,385	10	37,793</																										