



# BARGE "HFL-407"

## HINES FURLONG LINE

## INNAGE TABLE

1 PORT

HULL NO. 4596

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

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.
0	* 903	0	14,259	0	29,140	0	44,198	0	59,256	0	74,314	0	89,372	0	104,430	0	119,488	0	134,546	0	149,604	0	164,662	0	179,720	0	194,778	0	209,836
1/4	1,102	1/4	14,560	1/4	29,454	1/4	44,512	1/4	59,570	1/4	74,628	1/4	89,686	1/4	104,744	1/4	119,802	1/4	134,860	1/4	149,918	1/4	164,976	1/4	180,034	1/4	195,092	1/4	210,150
1/2	1,301	1/2	14,860	1/2	29,767	1/2	44,825	1/2	59,883	1/2	74,941	1/2	90,000	1/2	105,058	1/2	120,116	1/2	135,174	1/2	150,232	1/2	165,290	1/2	180,348	1/2	195,406	1/2	210,440
3/4	1,500	3/4	15,161	3/4	30,081	3/4	45,139	3/4	60,197	3/4	75,255	3/4	90,313	3/4	105,371	3/4	120,429	3/4	135,487	3/4	150,545	3/4	165,603	3/4	180,661	3/4	195,719	3/4	210,731
1	1,752	1	15,462	1	30,395	1	45,453	1	60,511	1	75,569	1	90,627	1	105,685	1	120,743	1	135,801	1	150,859	1	165,917	1	180,975	1	196,033	1	211,021
1/4	2,005	1/4	15,762	1/4	30,709	1/4	45,767	1/4	60,825	1/4	75,883	1/4	90,941	1/4	105,999	1/4	121,057	1/4	136,115	1/4	151,173	1/4	166,231	1/4	181,289	1/4	196,347	1/4	211,311
1/2	2,275	1/2	16,063	1/2	31,022	1/2	46,080	1/2	61,138	1/2	76,196	1/2	91,254	1/2	106,312	1/2	121,370	1/2	136,428	1/2	151,486	1/2	166,545	1/2	181,603	1/2	196,661	1/2	211,555
3/4	2,545	3/4	16,364	3/4	31,336	3/4	46,394	3/4	61,452	3/4	76,510	3/4	91,568	3/4	106,626	3/4	121,684	3/4	136,742	3/4	151,800	3/4	166,858	3/4	181,916	3/4	196,974	3/4	211,799
2	2,820	2	16,669	2	31,650	2	46,708	2	61,766	2	76,824	2	91,882	2	106,940	2	121,998	2	137,056	2	152,114	2	167,172	2	182,230	2	197,288	2	212,042
1/4	3,095	1/4	16,975	1/4	31,963	1/4	47,021	1/4	62,079	1/4	77,137	1/4	92,195	1/4	107,254	1/4	122,312	1/4	137,370	1/4	152,428	1/4	167,486	1/4	182,544	1/4	197,602	1/4	212,286
1/2	3,370	1/2	17,281	1/2	32,277	1/2	47,335	1/2	62,393	1/2	77,451	1/2	92,509	1/2	107,567	1/2	122,625	1/2	137,683	1/2	152,741	1/2	167,799	1/2	182,857	1/2	197,915	1/2	212,484
3/4	3,645	3/4	17,587	3/4	32,591	3/4	47,649	3/4	62,707	3/4	77,765	3/4	92,823	3/4	107,881	3/4	122,939	3/4	137,997	3/4	153,055	3/4	168,113	3/4	183,171	3/4	198,229	3/4	212,681
3	3,920	3	17,893	3	32,904	3	47,963	3	63,021	3	78,079	3	93,137	3	108,195	3	123,253	3	138,311	3	153,369	3	168,427	3	183,485	3	198,543	3	212,878
1/4	4,195	1/4	18,198	1/4	33,218	1/4	48,276	1/4	63,334	1/4	78,392	1/4	93,450	1/4	108,508	1/4	123,566	1/4	138,624	1/4	153,682	1/4	168,740	1/4	183,799	1/4	198,857	1/4	213,075
1/2	4,471	1/2	18,504	1/2	33,532	1/2	48,590	1/2	63,648	1/2	78,706	1/2	93,764	1/2	108,822	1/2	123,880	1/2	138,938	1/2	153,996	1/2	169,054	1/2	184,112	1/2	199,170	1/2	213,226
3/4	4,746	3/4	18,810	3/4	33,846	3/4	48,904	3/4	63,962	3/4	79,020	3/4	94,078	3/4	109,136	3/4	124,194	3/4	139,252	3/4	154,310	3/4	169,368	3/4	184,426	3/4	199,484	3/4	213,377
4	5,026	4	19,121	4	34,159	4	49,217	4	64,275	4	79,333	4	94,391	4	109,449	4	124,508	4	139,566	4	154,624	4	169,682	4	184,740	4	199,798	4	213,528
1/4	5,306	1/4	19,432	1/4	34,473	1/4	49,531	1/4	64,589	1/4	79,647	1/4	94,705	1/4	109,763	1/4	124,821	1/4	139,879	1/4	154,937	1/4	169,995	1/4	185,053	1/4	200,111	1/4	213,679
1/2	5,586	1/2	19,743	1/2	34,787	1/2	49,845	1/2	64,903	1/2	79,961	1/2	95,019	1/2	110,077	1/2	125,135	1/2	140,193	1/2	155,251	1/2	170,309	1/2	185,367	1/2	200,425	1/2	213,783
3/4	5,867	3/4	20,054	3/4	35,100	3/4	50,158	3/4	65,217	3/4	80,275	3/4	95,333	3/4	111,391	3/4	125,449	3/4	140,507	3/4	155,565	3/4	170,623	3/4	185,681	3/4	200,739	3/4	213,887
5	6,147	5	20,364	5	35,414	5	50,472	5	65,530	5	80,588	5	95,646	5	110,704	5	125,762	5	140,820	5	155,878	5	170,936	5	185,994	5	201,053	5	213,992
1/4	6,427	1/4	20,675	1/4	35,728	1/4	50,786	1/4	65,844	1/4	80,902	1/4	95,960	1/4	110,018	1/4	126,076	1/4	141,134	1/4	156,192	1/4	171,250	1/4	186,308	1/4	201,366	1/4	214,096
1/2	6,707	1/2	20,986	1/2	36,042	1/2	51,100	1/2	66,158	1/2	81,216	1/2	96,274	1/2	111,332	1/2	126,390	1/2	141,448	1/2	156,506	1/2	171,564	1/2	186,622	1/2	201,680	1/2	214,154
3/4	6,987	3/4	21,297	3/4	36,355	3/4	51,413	3/4	66,471	3/4	81,529	3/4	96,587	3/4	111,645	3/4	126,703	3/4	141,762	3/4	156,820	3/4	171,878	3/4	186,936	3/4	201,994	3/4	214,212
6	7,273	6	21,611	6	36,669	6	51,727	6	66,785	6	81,843	6	96,901	6	111,959	6	127,017	6	142,075	6	157,133	6	172,191	6	187,249	6	202,307	6	214,270
1/4	7,558	1/4	21,925	1/4	36,983	1/4	52,041	1/4	67,099	1/4	82,157	1/4	97,215	1/4	112,273	1/4	127,331	1/4	142,389	1/4	157,447	1/4	172,505	1/4	187,563	1/4	202,621	1/4	214,328
1/2	7,843	1/2	22,238	1/2	37,296	1/2	52,354	1/2	67,412	1/2	82,471	1/2	97,529	1/2	112,587	1/2	127,645	1/2	142,703	1/2	157,761	1/2	172,819	1/2	187,877	1/2	202,935	1/2	214,345
3/4	8,129	3/4	22,552	3/4	37,610	3/4	52,668	3/4	67,726	3/4	82,784	3/4	97,842	3/4	112,900	3/4	127,958	3/4	143,016	3/4	158,074	3/4	173,132	3/4	188,190	3/4	203,248	3/4	214,362
7	8,414	7	22,866	7	37,924	7	52,982	7	68,040	7	83,098	7	98,156	7	113,214	7	128,272	7	143,330	7	158,388	7	173,446	7	188,504	7	203,562	7	214,380
1/4	8,700	1/4	23,180	1/4	38,238	1/4	53,296	1/4	68,354	1/4	83,412	1/4	98,470	1/4	113,528	1/4	128,586	1/4	143,644	1/4	158,702	1/4	173,760	1/4	188,818	1/4	203,876	1/4	
1/2	8,985	1/2	23,493	1/2	38,551	1/2	53,609	1/2	68,667	1/2	83,725	1/2	98,783	1/2	113,841	1/2	128,899	1/2	143,957	1/2	159,015	1/2	174,074	1/2	189,132	1/2	204,190	1/2	
3/4	9,270	3/4	23,807	3/4	38,865	3/4	53,923	3/4	69,981	3/4	84,039	3/4	99,097	3/4	114,155	3/4	129,213	3/4	144,271	3/4	159,329	3/4	174,387	3/4	189,445	3/4	204,503	3/4	
8	9,561	8	24,121	8	39,179	8	54,237	8	69,295	8	84,353	8	99,411	8	114,469	8	129,527	8	144,585	8	159,64								



# BARGE "HFL-407"

## HINES FURLONG LINE

### INNAGE TABLE

# 1 STAR

HULL NO. 4596

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

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.
0	* 903	0	14,259	0	29,140	0	44,198	0	59,256	0	74,314	0	89,372	0	104,430	0	119,488	0	134,546	0	149,604	0	164,662	0	179,720	0	194,778	0	209,836
1/4	1,102	1/4	14,560	1/4	29,454	1/4	44,512	1/4	59,570	1/4	74,628	1/4	89,686	1/4	104,744	1/4	119,802	1/4	134,860	1/4	149,918	1/4	164,976	1/4	180,034	1/4	195,092	1/4	210,150
1/2	1,301	1/2	14,860	1/2	29,767	1/2	44,825	1/2	59,883	1/2	74,941	1/2	90,000	1/2	105,058	1/2	120,116	1/2	135,174	1/2	150,232	1/2	165,290	1/2	180,348	1/2	195,406	1/2	210,440
3/4	1,500	3/4	15,161	3/4	30,081	3/4	45,139	3/4	60,197	3/4	75,255	3/4	90,313	3/4	105,371	3/4	120,429	3/4	135,487	3/4	150,545	3/4	165,603	3/4	180,661	3/4	195,719	3/4	210,731
1	1,752	1	15,462	1	30,395	1	45,453	1	60,511	1	75,569	1	90,627	1	105,685	1	120,743	1	135,801	1	150,859	1	165,917	1	180,975	1	196,033	1	211,021
1/4	2,005	1/4	15,762	1/4	30,709	1/4	45,767	1/4	60,825	1/4	75,883	1/4	90,941	1/4	105,999	1/4	121,057	1/4	136,115	1/4	151,173	1/4	166,231	1/4	181,289	1/4	196,347	1/4	211,311
1/2	2,275	1/2	16,063	1/2	31,022	1/2	46,080	1/2	61,138	1/2	76,196	1/2	106,312	1/2	121,370	1/2	136,428	1/2	151,486	1/2	166,545	1/2	181,603	1/2	196,661	1/2	211,555		
3/4	2,545	3/4	16,364	3/4	31,336	3/4	46,394	3/4	61,452	3/4	76,510	3/4	91,568	3/4	106,626	3/4	121,684	3/4	136,742	3/4	151,800	3/4	166,858	3/4	181,916	3/4	196,974	3/4	211,799
2	2,820	2	16,669	2	31,650	2	46,708	2	61,766	2	76,824	2	91,882	2	106,940	2	121,998	2	137,056	2	152,114	2	167,172	2	182,230	2	197,288	2	212,042
1/4	3,095	1/4	16,975	1/4	31,963	1/4	47,021	1/4	62,079	1/4	77,137	1/4	92,195	1/4	107,254	1/4	122,312	1/4	137,370	1/4	152,428	1/4	167,486	1/4	182,544	1/4	197,602	1/4	212,286
1/2	3,370	1/2	17,281	1/2	32,277	1/2	47,335	1/2	62,393	1/2	77,451	1/2	92,509	1/2	107,567	1/2	122,625	1/2	137,683	1/2	152,741	1/2	167,799	1/2	182,857	1/2	197,915	1/2	212,484
3/4	3,645	3/4	17,587	3/4	32,591	3/4	47,649	3/4	62,707	3/4	77,765	3/4	92,823	3/4	107,881	3/4	122,939	3/4	137,997	3/4	153,055	3/4	168,113	3/4	183,171	3/4	198,229	3/4	212,681
3	3,920	3	17,893	3	32,904	3	47,963	3	63,021	3	78,079	3	93,137	3	108,195	3	123,253	3	138,311	3	153,369	3	168,427	3	183,485	3	198,543	3	212,878
1/4	4,195	1/4	18,198	1/4	33,218	1/4	48,276	1/4	63,334	1/4	78,392	1/4	93,450	1/4	108,508	1/4	123,566	1/4	138,624	1/4	153,682	1/4	168,740	1/4	183,799	1/4	198,857	1/4	213,075
1/2	4,471	1/2	18,504	1/2	33,532	1/2	48,590	1/2	63,648	1/2	78,706	1/2	93,764	1/2	108,822	1/2	123,880	1/2	138,938	1/2	153,996	1/2	169,054	1/2	184,112	1/2	199,170	1/2	213,226
3/4	4,746	3/4	18,810	3/4	33,846	3/4	48,904	3/4	63,962	3/4	79,020	3/4	94,078	3/4	109,136	3/4	124,194	3/4	139,252	3/4	154,310	3/4	169,368	3/4	184,426	3/4	199,484	3/4	213,377
4	5,026	4	19,121	4	34,159	4	49,217	4	64,275	4	79,333	4	94,391	4	109,449	4	124,508	4	139,566	4	154,624	4	169,682	4	184,740	4	199,798	4	213,528
1/4	5,306	1/4	19,432	1/4	34,473	1/4	49,531	1/4	64,589	1/4	79,647	1/4	94,705	1/4	109,763	1/4	124,821	1/4	139,879	1/4	154,937	1/4	169,995	1/4	185,053	1/4	200,111	1/4	213,679
1/2	5,586	1/2	19,743	1/2	34,787	1/2	49,845	1/2	64,903	1/2	79,961	1/2	95,019	1/2	110,077	1/2	125,135	1/2	140,193	1/2	155,251	1/2	170,309	1/2	185,367	1/2	200,425	1/2	213,783
3/4	5,867	3/4	20,054	3/4	35,100	3/4	50,158	3/4	65,217	3/4	80,275	3/4	95,333	3/4	110,391	3/4	125,449	3/4	140,507	3/4	155,565	3/4	170,623	3/4	185,681	3/4	200,739	3/4	213,887
5	6,147	5	20,364	5	35,414	5	50,472	5	65,530	5	80,588	5	95,646	5	110,704	5	125,762	5	140,820	5	155,878	5	170,936	5	185,994	5	201,053	5	213,992
1/4	6,427	1/4	20,675	1/4	35,728	1/4	50,786	1/4	65,844	1/4	80,902	1/4	95,960	1/4	111,018	1/4	126,076	1/4	141,134	1/4	156,192	1/4	171,250	1/4	186,308	1/4	201,366	1/4	214,096
1/2	6,707	1/2	20,986	1/2	36,042	1/2	51,100	1/2	66,158	1/2	81,216	1/2	111,332	1/2	126,390	1/2	141,448	1/2	156,506	1/2	171,564	1/2	186,622	1/2	201,680	1/2	214,154		
3/4	6,987	3/4	21,297	3/4	36,355	3/4	51,413	3/4	66,471	3/4	81,529	3/4	96,587	3/4	111,645	3/4	126,703	3/4	141,762	3/4	156,820	3/4	171,878	3/4	186,936	3/4	201,994	3/4	214,212
6	7,273	6	21,611	6	36,669	6	51,727	6	66,785	6	81,843	6	96,901	6	111,959	6	127,017	6	142,075	6	157,133	6	172,191	6	187,249	6	202,307	6	214,270
1/4	7,558	1/4	21,925	1/4	36,983	1/4	52,041	1/4	67,099	1/4	82,157	1/4	97,215	1/4	112,273	1/4	127,331	1/4	142,389	1/4	157,447	1/4	172,505	1/4	187,563	1/4	202,621	1/4	214,328
1/2	7,843	1/2	22,238	1/2	37,296	1/2	52,354	1/2	67,412	1/2	82,471	1/2	97,529	1/2	112,587	1/2	127,645	1/2	142,703	1/2	157,761	1/2	172,819	1/2	187,877	1/2	202,935	1/2	214,345
3/4	8,129	3/4	22,552	3/4	37,610	3/4	52,668	3/4	67,726	3/4	82,784	3/4	97,842	3/4	112,900	3/4	127,958	3/4	143,016	3/4	158,074	3/4	173,132	3/4	188,190	3/4	203,248	3/4	214,362
7	8,414	7	22,866	7	37,924	7	52,982	7	68,040	7	83,098	7	98,156	7	113,214	7	128,272	7	143,330	7	158,388	7	173,446	7	188,504	7	203,562	7	214,380
1/4	8,700	1/4	23,180	1/4	38,238	1/4	53,296	1/4	68,354	1/4	84,412	1/4	98,470	1/4	113,528	1/4	128,586	1/4	143,644	1/4	158,702	1/4	173,760	1/4	188,818	1/4	203,876	1/4	
1/2	8,985	1/2	23,493	1/2	38,551	1/2	53,609	1/2	68,667	1/2	84,725	1/2	98,783	1/2	113,841	1/2	128,899	1/2	143,957	1/2	159,015	1/2	174,074	1/2	189,132	1/2	204,190		
3/4	9,270	3/4	23,807	3/4	38,865	3/4	53,923	3/4	68,981	3/4	84,039	3/4	99,097	3/4	114,155	3/4	129,213	3/4	144,271	3/4	159,329	3/4	174,387	3/4	189,445	3/4	204,503	3/4	
8	9,561	8	24,121	8	39,179	8	54,237	8	69,295	8	84,353	8	99,411	8	114,469	8	129,527	8	144,585	8	159,643	8	174,701	8</td					



# BARGE "HFL-407"

## HINES FURLONG LINE

## INNAGE TABLE

2 PORT

HULL NO. 4596

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

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.
0	* 942	0	15,714	0	30,802	0	45,889	0	60,977	0	76,064	0	91,152	0	106,239	0	121,327	0	136,414	0	151,502	0	166,589	0	181,677	0	196,764	0	211,748
1/4	1,166	1/4	16,029	1/4	31,116	1/4	46,204	1/4	61,291	1/4	76,379	1/4	91,466	1/4	106,554	1/4	121,641	1/4	136,728	1/4	151,816	1/4	166,903	1/4	181,991	1/4	197,078	1/4	212,060
1/2	1,391	1/2	16,343	1/2	31,431	1/2	46,518	1/2	61,606	1/2	76,693	1/2	91,780	1/2	106,868	1/2	121,955	1/2	137,043	1/2	152,130	1/2	167,218	1/2	182,305	1/2	197,393	1/2	212,348
3/4	1,615	3/4	16,657	3/4	31,745	3/4	46,832	3/4	61,920	3/4	77,007	3/4	92,095	3/4	107,182	3/4	122,270	3/4	137,357	3/4	152,445	3/4	167,532	3/4	182,619	3/4	197,707	3/4	212,637
1	1,907	1	16,972	1	32,059	1	47,147	1	62,234	1	77,322	1	92,409	1	107,497	1	122,584	1	137,671	1	152,759	1	167,846	1	182,934	1	198,019	1	212,926
1/4	2,199	1/4	17,286	1/4	32,374	1/4	47,461	1/4	62,548	1/4	77,636	1/4	92,723	1/4	107,811	1/4	122,898	1/4	137,986	1/4	153,073	1/4	168,161	1/4	183,248	1/4	198,331	1/4	213,215
1/2	2,513	1/2	17,600	1/2	32,688	1/2	47,775	1/2	62,863	1/2	77,950	1/2	93,038	1/2	108,125	1/2	123,213	1/2	138,300	1/2	153,388	1/2	168,475	1/2	183,562	1/2	198,643	1/2	213,459
3/4	2,827	3/4	17,915	3/4	33,002	3/4	48,090	3/4	63,177	3/4	78,265	3/4	93,352	3/4	108,439	3/4	123,527	3/4	138,614	3/4	153,702	3/4	168,789	3/4	183,877	3/4	198,955	3/4	213,703
2	3,142	2	18,229	2	33,317	2	48,404	2	63,491	2	78,579	2	93,666	2	108,754	2	123,841	2	138,929	2	154,016	2	169,104	2	184,191	2	199,267	2	213,948
1/4	3,456	1/4	18,543	1/4	33,631	1/4	48,718	1/4	63,806	1/4	78,893	1/4	93,981	1/4	109,068	1/4	124,156	1/4	139,243	1/4	154,330	1/4	169,418	1/4	184,505	1/4	199,579	1/4	214,192
1/2	3,770	1/2	18,858	1/2	33,945	1/2	49,033	1/2	64,120	1/2	79,208	1/2	94,295	1/2	109,382	1/2	124,470	1/2	139,557	1/2	154,645	1/2	169,732	1/2	184,820	1/2	199,891	1/2	214,390
3/4	4,085	3/4	19,172	3/4	34,259	3/4	49,347	3/4	64,434	3/4	79,522	3/4	94,609	3/4	109,697	3/4	124,784	3/4	139,872	3/4	154,959	3/4	170,047	3/4	185,134	3/4	200,203	3/4	214,587
3	4,399	3	19,486	3	34,574	3	49,661	3	64,749	3	79,836	3	94,924	3	110,011	3	125,099	3	140,186	3	155,273	3	170,361	3	185,448	3	200,515	3	214,785
1/4	4,713	1/4	19,801	1/4	34,888	1/4	49,976	1/4	65,063	1/4	80,151	1/4	95,238	1/4	110,325	1/4	125,413	1/4	140,500	1/4	155,588	1/4	170,675	1/4	185,763	1/4	200,827	1/4	214,983
1/2	5,028	1/2	20,115	1/2	35,202	1/2	50,290	1/2	65,377	1/2	80,465	1/2	95,552	1/2	110,640	1/2	125,727	1/2	140,815	1/2	155,902	1/2	170,990	1/2	186,077	1/2	201,139	1/2	215,134
3/4	5,342	3/4	20,429	3/4	35,517	3/4	50,604	3/4	65,692	3/4	80,779	3/4	95,867	3/4	110,954	3/4	126,042	3/4	141,129	3/4	156,216	3/4	171,304	3/4	186,391	3/4	201,451	3/4	215,285
4	5,656	4	20,744	4	35,831	4	50,919	4	66,006	4	81,093	4	96,181	4	111,268	4	126,356	4	141,443	4	156,531	4	171,618	4	186,706	4	201,763	4	215,437
1/4	5,971	1/4	21,058	1/4	36,145	1/4	51,233	1/4	66,320	1/4	81,408	1/4	96,495	1/4	111,583	1/4	126,670	1/4	141,758	1/4	156,845	1/4	171,933	1/4	187,020	1/4	202,075	1/4	215,588
1/2	6,285	1/2	21,372	1/2	36,460	1/2	51,547	1/2	66,635	1/2	81,722	1/2	96,810	1/2	111,897	1/2	126,984	1/2	142,072	1/2	157,159	1/2	172,247	1/2	187,334	1/2	202,387	1/2	215,692
3/4	6,599	3/4	21,687	3/4	36,774	3/4	51,862	3/4	66,949	3/4	82,036	3/4	97,124	3/4	112,211	3/4	127,299	3/4	142,386	3/4	157,474	3/4	172,561	3/4	187,649	3/4	202,699	3/4	215,797
5	6,913	5	22,001	5	37,088	5	52,176	5	67,263	5	82,351	5	97,438	5	112,526	5	127,613	5	142,701	5	157,788	5	172,875	5	187,963	5	203,011	5	215,902
1/4	7,228	1/4	22,315	1/4	37,403	1/4	52,490	1/4	67,578	1/4	82,665	1/4	97,753	1/4	112,840	1/4	127,927	1/4	143,015	1/4	158,102	1/4	173,190	1/4	188,277	1/4	203,323	1/4	216,006
1/2	7,542	1/2	22,630	1/2	37,717	1/2	52,804	1/2	67,892	1/2	82,979	1/2	98,067	1/2	113,154	1/2	128,242	1/2	143,329	1/2	158,417	1/2	173,504	1/2	188,592	1/2	203,635	1/2	216,064
3/4	7,856	3/4	22,944	3/4	38,031	3/4	53,119	3/4	68,206	3/4	83,294	3/4	98,381	3/4	113,469	3/4	128,556	3/4	143,644	3/4	158,731	3/4	173,818	3/4	188,906	3/4	203,947	3/4	216,122
6	8,171	6	23,258	6	38,346	6	53,433	6	68,521	6	83,608	6	98,696	6	113,783	6	128,870	6	143,958	6	159,045	6	174,133	6	189,220	6	204,259	6	216,180
1/4	8,485	1/4	23,573	1/4	38,660	1/4	53,747	1/4	68,835	1/4	83,922	1/4	99,010	1/4	114,097	1/4	129,185	1/4	144,272	1/4	159,360	1/4	174,447	1/4	189,535	1/4	204,571	1/4	216,238
1/2	8,799	1/2	23,887	1/2	38,974	1/2	54,062	1/2	69,149	1/2	84,237	1/2	99,324	1/2	114,412	1/2	129,499	1/2	144,587	1/2	159,674	1/2	174,761	1/2	189,849	1/2	204,883	1/2	216,256
3/4	9,114	3/4	24,201	3/4	39,289	3/4	54,376	3/4	69,464	3/4	84,551	3/4	99,638	3/4	114,726	3/4	129,813	3/4	144,901	3/4	159,988	3/4	175,076	3/4	190,163	3/4	205,195	3/4	216,273
7	9,428	7	24,516	7	39,603	7	54,690	7	69,778	7	84,865	7	99,953	7	115,040	7	130,128	7	145,215	7	160,303	7	175,390	7	190,478	7	205,507	7	216,290
1/4	9,742	1/4	24,830	1/4	39,917	1/4	55,005	1/4	70,092	1/4	85,180	1/4	100,267	1/4	115,355	1/4	130,442	1/4	145,529	1/4	160,617	1/4	175,704	1/4	190,792	1/4	205,819	1/4	216,089
1/2	10,057	1/2	25,144	1/2	40,232	1/2	55,319	1/2	70,407	1/2	85,494	1/2	100,581	1/2	115,669	1/2	130,756	1/2	145,844	1/2	160,931	1/2	176,019	1/2	191,106	1/2	206,131	1/2	216,131
3/4	10,371	3/4	25,458	3/4	55,633	3/4	70,721	3/4	80,808	3/4	100,896	3/4	115,983	3/4	131,071	3/4	146,158	3/4	161,246	3/4	176,333	3/4	191,420	3/4	206,443	3/4	216,243		
8	10,685	8	25,773	8	55,948	8	71,035	8	86,123	8	101,210	8	116,298	8	131,385	8	146,472	8											



# BARGE "HFL-407"

## HINES FURLONG LINE

### INNAGE TABLE

### 2 STAR

HULL NO. 4596

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

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.
0	* 942	0	15,714	0	30,802	0	45,889	0	60,977	0	76,064	0	91,152	0	106,239	0	121,327	0	136,414	0	151,502	0	166,589	0	181,677	0	196,764	0	211,748
1/4	1,166	1/4	16,029	1/4	31,116	1/4	46,204	1/4	61,291	1/4	76,379	1/4	91,466	1/4	106,554	1/4	121,641	1/4	136,728	1/4	151,816	1/4	166,903	1/4	181,991	1/4	197,078	1/4	212,060
1/2	1,391	1/2	16,343	1/2	31,431	1/2	46,518	1/2	61,606	1/2	76,693	1/2	91,780	1/2	106,868	1/2	121,955	1/2	137,043	1/2	152,130	1/2	167,218	1/2	182,305	1/2	197,393	1/2	212,348
3/4	1,615	3/4	16,657	3/4	31,745	3/4	46,832	3/4	61,920	3/4	77,007	3/4	92,095	3/4	107,182	3/4	122,270	3/4	137,357	3/4	152,445	3/4	167,532	3/4	182,619	3/4	197,707	3/4	212,637
1	1,907	1	16,972	1	32,059	1	47,147	1	62,234	1	77,322	1	92,409	1	107,497	1	122,584	1	137,671	1	152,759	1	167,846	1	182,934	1	198,019	1	212,926
1/4	2,199	1/4	17,286	1/4	32,374	1/4	47,461	1/4	62,548	1/4	77,636	1/4	92,723	1/4	107,811	1/4	122,898	1/4	137,986	1/4	153,073	1/4	168,161	1/4	183,248	1/4	198,331	1/4	213,215
1/2	2,513	1/2	17,600	1/2	32,688	1/2	47,775	1/2	62,863	1/2	77,950	1/2	93,038	1/2	108,125	1/2	123,213	1/2	138,300	1/2	153,388	1/2	168,475	1/2	183,562	1/2	198,643	1/2	213,459
3/4	2,827	3/4	17,915	3/4	33,002	3/4	48,090	3/4	63,177	3/4	78,265	3/4	93,352	3/4	108,439	3/4	123,527	3/4	138,614	3/4	153,702	3/4	168,789	3/4	183,877	3/4	198,955	3/4	213,703
2	3,142	2	18,229	2	33,317	2	48,404	2	63,491	2	78,579	2	93,666	2	108,754	2	123,841	2	138,929	2	154,016	2	169,104	2	184,191	2	199,267	2	213,948
1/4	3,456	1/4	18,543	1/4	33,631	1/4	48,718	1/4	63,806	1/4	78,893	1/4	93,981	1/4	109,068	1/4	124,156	1/4	139,243	1/4	154,330	1/4	169,418	1/4	184,505	1/4	199,579	1/4	214,192
1/2	3,770	1/2	18,858	1/2	33,945	1/2	49,033	1/2	64,120	1/2	79,208	1/2	94,295	1/2	109,382	1/2	124,470	1/2	139,557	1/2	154,645	1/2	169,732	1/2	184,820	1/2	199,891	1/2	214,390
3/4	4,085	3/4	19,172	3/4	34,259	3/4	49,347	3/4	64,434	3/4	79,522	3/4	94,609	3/4	109,697	3/4	124,784	3/4	139,872	3/4	154,959	3/4	170,047	3/4	185,134	3/4	200,203	3/4	214,587
3	4,399	3	19,486	3	34,574	3	49,661	3	64,749	3	79,836	3	94,924	3	110,011	3	125,099	3	140,186	3	155,273	3	170,361	3	185,448	3	200,515	3	214,785
1/4	4,713	1/4	19,801	1/4	34,888	1/4	49,976	1/4	65,063	1/4	80,151	1/4	95,238	1/4	110,325	1/4	125,413	1/4	140,500	1/4	155,588	1/4	170,675	1/4	185,763	1/4	200,827	1/4	214,983
1/2	5,028	1/2	20,115	1/2	35,202	1/2	50,290	1/2	65,377	1/2	80,465	1/2	95,552	1/2	110,640	1/2	125,727	1/2	140,815	1/2	155,902	1/2	170,990	1/2	186,077	1/2	201,139	1/2	215,134
3/4	5,342	3/4	20,429	3/4	35,517	3/4	50,604	3/4	65,692	3/4	80,779	3/4	95,867	3/4	110,954	3/4	126,042	3/4	141,129	3/4	156,216	3/4	171,304	3/4	186,391	3/4	201,451	3/4	215,285
4	5,656	4	20,744	4	35,831	4	50,919	4	66,006	4	81,093	4	96,181	4	111,268	4	126,356	4	141,443	4	156,531	4	171,618	4	186,706	4	201,763	4	215,437
1/4	5,971	1/4	21,058	1/4	36,145	1/4	51,233	1/4	66,320	1/4	81,408	1/4	96,495	1/4	111,583	1/4	126,670	1/4	141,758	1/4	156,845	1/4	171,933	1/4	187,020	1/4	202,075	1/4	215,588
1/2	6,285	1/2	21,372	1/2	36,460	1/2	51,547	1/2	66,635	1/2	81,722	1/2	96,810	1/2	111,897	1/2	126,984	1/2	142,072	1/2	157,159	1/2	172,247	1/2	187,334	1/2	202,387	1/2	215,692
3/4	6,599	3/4	21,687	3/4	36,774	3/4	51,862	3/4	66,949	3/4	82,036	3/4	97,124	3/4	112,211	3/4	127,299	3/4	142,386	3/4	157,474	3/4	172,561	3/4	187,649	3/4	202,699	3/4	215,797
5	6,913	5	22,001	5	37,088	5	52,176	5	67,263	5	82,351	5	97,438	5	112,526	5	127,613	5	142,701	5	157,788	5	172,875	5	187,963	5	203,011	5	215,902
1/4	7,228	1/4	22,315	1/4	37,403	1/4	52,490	1/4	67,578	1/4	82,665	1/4	97,753	1/4	112,840	1/4	127,927	1/4	143,015	1/4	158,102	1/4	173,190	1/4	188,277	1/4	203,323	1/4	216,006
1/2	7,542	1/2	22,630	1/2	37,717	1/2	52,804	1/2	67,892	1/2	82,979	1/2	98,067	1/2	113,154	1/2	128,242	1/2	143,329	1/2	158,417	1/2	173,504	1/2	188,592	1/2	203,635	1/2	216,064
3/4	7,856	3/4	22,944	3/4	38,031	3/4	53,119	3/4	68,206	3/4	83,294	3/4	98,381	3/4	113,469	3/4	128,556	3/4	143,644	3/4	158,731	3/4	173,818	3/4	188,906	3/4	203,947	3/4	216,122
6	8,171	6	23,258	6	38,346	6	53,433	6	68,521	6	83,608	6	98,696	6	113,783	6	128,870	6	143,958	6	159,045	6	174,133	6	189,220	6	204,259	6	216,180
1/4	8,485	1/4	23,573	1/4	38,660	1/4	53,747	1/4	68,835	1/4	83,922	1/4	99,010	1/4	114,097	1/4	129,185	1/4	144,272	1/4	159,360	1/4	174,447	1/4	189,535	1/4	204,571	1/4	216,238
1/2	8,799	1/2	23,887	1/2	38,974	1/2	54,062	1/2	69,149	1/2	84,237	1/2	99,324	1/2	114,412	1/2	129,499	1/2	144,587	1/2	159,674	1/2	174,761	1/2	189,849	1/2	204,883	1/2	216,256
3/4	9,114	3/4	24,201	3/4	39,289	3/4	54,376	3/4	69,464	3/4	84,551	3/4	99,638	3/4	114,726	3/4	129,813	3/4	144,901	3/4	159,988	3/4	175,076	3/4	190,163	3/4	205,195	3/4	216,273
7	9,428	7	24,516	7	39,603	7	54,690	7	69,778	7	84,865	7	99,953	7	115,040	7	130,128	7	145,215	7	160,303	7	175,390	7	190,478	7	205,507	7	216,290
1/4	9,742	1/4	24,830	1/4	39,917	1/4	55,005	1/4	70,092	1/4	85,180	1/4	100,267	1/4	115,355	1/4	130,442	1/4	145,529	1/4	160,617	1/4	175,704	1/4	190,792	1/4	205,819	1/4	216,081
1/2	10,057	1/2	25,144	1/2	40,232	1/2	55,319	1/2	70,407	1/2	85,494	1/2	100,581	1/2	115,669	1/2	130,756	1/2	145,844	1/2	160,931	1/2	176,019	1/2	191,106	1/2	206,131	1/2	216,131
3/4	10,371	3/4	25,458	3/4	40,546	3/4	55,633	3/4	70,721	3/4	80,808	3/4	100,896	3/4	115,983	3/4	131,071	3/4	146,158	3/4	161,246	3/4	176,333	3/4	191,420	3/4	206,443	3/4	216,443
8	10,685	8	25,773	8	40,860	8	55,948	8	71,035	8	86,123	8	101,210	8	1														



# BARGE "HFL-407"

## HINES FURLONG LINE

### INNAGE TABLE

### 3 PORT

HULL NO. 4596

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

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.
0 *	937	0	15,661	0	30,687	0	45,672	0	60,689	0	75,705	0	90,722	0	105,739	0	120,756	0	135,772	0	149,783	0	160,237	0	170,675	0	181,114	0	191,552
1/4	1,161	1/4	15,974	1/4	30,999	1/4	45,985	1/4	61,001	1/4	76,018	1/4	91,035	1/4	106,052	1/4	121,068	1/4	136,085	1/4	150,006	1/4	160,455	1/4	170,893	1/4	181,331	1/4	191,769
1/2	1,384	1/2	16,287	1/2	31,311	1/2	46,298	1/2	61,314	1/2	76,331	1/2	91,348	1/2	106,365	1/2	121,381	1/2	136,398	1/2	150,228	1/2	160,672	1/2	171,110	1/2	181,548	1/2	191,971
3/4	1,608	3/4	16,600	3/4	31,623	3/4	46,610	3/4	61,627	3/4	76,644	3/4	91,661	3/4	106,677	3/4	121,694	3/4	136,711	3/4	150,451	3/4	160,889	3/4	171,328	3/4	181,766	3/4	192,172
1	1,899	1	16,914	1	31,935	1	46,923	1	61,940	1	76,957	1	91,973	1	106,990	1	122,007	1	137,024	1	150,669	1	161,107	1	171,545	1	181,983	1	192,373
1/4	2,190	1/4	17,227	1/4	32,247	1/4	47,236	1/4	62,253	1/4	77,270	1/4	92,286	1/4	107,303	1/4	122,320	1/4	137,337	1/4	150,886	1/4	161,324	1/4	171,763	1/4	182,201	1/4	192,575
1/2	2,503	1/2	17,540	1/2	32,559	1/2	47,549	1/2	62,566	1/2	77,582	1/2	92,599	1/2	107,616	1/2	122,633	1/2	137,649	1/2	151,104	1/2	161,542	1/2	171,980	1/2	182,418	1/2	192,744
3/4	2,816	3/4	17,854	3/4	32,871	3/4	47,862	3/4	62,879	3/4	77,895	3/4	92,912	3/4	107,929	3/4	122,946	3/4	137,962	3/4	151,321	3/4	161,759	3/4	172,198	3/4	182,636	3/4	192,913
2	3,129	2	18,167	2	33,183	2	48,175	2	63,191	2	78,208	2	93,225	2	108,242	2	123,258	2	138,275	2	151,539	2	161,977	2	172,415	2	182,853	2	193,082
1/4	3,443	1/4	18,480	1/4	33,495	1/4	48,487	1/4	63,504	1/4	78,521	1/4	93,538	1/4	108,554	1/4	123,571	1/4	138,588	1/4	151,756	1/4	162,194	1/4	172,632	1/4	183,071	1/4	193,251
1/2	3,756	1/2	18,793	1/2	33,807	1/2	48,800	1/2	63,817	1/2	78,834	1/2	93,851	1/2	108,867	1/2	123,884	1/2	138,901	1/2	151,973	1/2	162,412	1/2	172,850	1/2	183,288	1/2	193,388
3/4	4,069	3/4	19,107	3/4	34,119	3/4	49,113	3/4	64,130	3/4	79,147	3/4	94,163	3/4	109,180	3/4	124,197	3/4	139,214	3/4	152,191	3/4	162,629	3/4	173,067	3/4	183,506	3/4	193,525
3	4,383	3	19,420	3	34,431	3	49,426	3	64,443	3	79,460	3	94,476	3	109,493	3	124,510	3	139,527	3	152,408	3	162,847	3	173,285	3	183,723	3	193,661
1/4	4,696	1/4	19,733	1/4	34,743	1/4	49,739	1/4	64,756	1/4	79,772	1/4	94,789	1/4	109,806	1/4	124,823	1/4	139,839	1/4	152,626	1/4	163,064	1/4	173,502	1/4	183,941	1/4	193,798
1/2	5,009	1/2	20,047	1/2	35,055	1/2	50,052	1/2	65,068	1/2	80,085	1/2	95,102	1/2	110,119	1/2	125,135	1/2	140,152	1/2	152,843	1/2	163,282	1/2	173,720	1/2	184,158	1/2	193,903
3/4	5,322	3/4	20,360	3/4	35,367	3/4	50,365	3/4	65,381	3/4	80,398	3/4	95,415	3/4	110,432	3/4	125,448	3/4	140,465	3/4	153,061	3/4	163,499	3/4	173,937	3/4	184,375	3/4	194,007
4	5,636	4	20,673	4	35,679	4	50,677	4	65,694	4	80,711	4	95,728	4	110,744	4	125,761	4	140,778	4	153,278	4	163,716	4	174,155	4	184,593	4	194,112
1/4	5,949	1/4	20,986	1/4	35,991	1/4	50,990	1/4	66,007	1/4	81,024	1/4	96,041	1/4	111,057	1/4	126,074	1/4	141,091	1/4	153,496	1/4	163,934	1/4	174,372	1/4	184,810	1/4	194,217
1/2	6,262	1/2	21,300	1/2	36,303	1/2	51,303	1/2	66,320	1/2	81,337	1/2	96,353	1/2	111,370	1/2	126,387	1/2	141,404	1/2	153,713	1/2	164,151	1/2	174,590	1/2	185,028	1/2	194,289
3/4	6,576	3/4	21,613	3/4	36,615	3/4	51,616	3/4	66,633	3/4	81,649	3/4	96,666	3/4	111,683	3/4	126,700	3/4	141,716	3/4	153,931	3/4	164,369	3/4	174,807	3/4	185,245	3/4	194,361
5	6,889	5	21,926	5	36,928	5	51,929	5	66,946	5	81,962	5	96,979	5	111,996	5	127,013	5	142,029	5	154,148	5	164,586	5	175,025	5	185,463	5	194,434
1/4	7,202	1/4	22,239	1/4	37,240	1/4	52,242	1/4	67,258	1/4	82,275	1/4	97,292	1/4	112,309	1/4	127,325	1/4	142,342	1/4	154,366	1/4	164,804	1/4	175,242	1/4	185,680	1/4	194,506
1/2	7,515	1/2	22,553	1/2	37,552	1/2	52,555	1/2	67,571	1/2	82,588	1/2	97,605	1/2	112,622	1/2	127,638	1/2	142,655	1/2	154,583	1/2	165,021	1/2	175,459	1/2	185,898	1/2	194,546
3/4	7,829	3/4	22,866	3/4	37,864	3/4	52,867	3/4	67,884	3/4	82,901	3/4	97,918	3/4	112,934	3/4	127,951	3/4	142,968	3/4	154,800	3/4	165,239	3/4	175,677	3/4	186,115	3/4	194,587
6	8,142	6	23,179	6	38,176	6	53,180	6	68,197	6	83,214	6	98,230	6	113,247	6	128,264	6	143,281	6	155,018	6	165,456	6	175,894	6	186,333	6	194,627
1/4	8,455	1/4	23,493	1/4	38,488	1/4	53,493	1/4	68,510	1/4	83,527	1/4	98,543	1/4	113,560	1/4	128,577	1/4	143,587	1/4	155,235	1/4	165,674	1/4	176,112	1/4	186,550	1/4	194,667
1/2	8,768	1/2	23,806	1/2	38,800	1/2	53,806	1/2	68,823	1/2	83,839	1/2	98,856	1/2	113,873	1/2	128,890	1/2	143,894	1/2	155,453	1/2	165,891	1/2	176,329	1/2	186,768	1/2	194,679
3/4	9,082	3/4	24,119	3/4	39,112	3/4	54,119	3/4	69,136	3/4	84,152	3/4	99,169	3/4	114,186	3/4	129,203	3/4	144,200	3/4	155,670	3/4	166,109	3/4	176,547	3/4	186,985	3/4	194,691
7	9,395	7	24,432	7	39,424	7	54,432	7	69,448	7	84,465	7	99,482	7	114,499	7	129,515	7	144,507	7	155,888	7	166,326	7	176,764	7	187,202	7	194,703
1/4	9,708	1/4	24,746	1/4	39,736	1/4	54,744	1/4	69,761	1/4	84,778	1/4	99,795	1/4	114,811	1/4	129,828	1/4	144,799	1/4	156,105	1/4	166,543	1/4	176,982	1/4	187,420	1/4	
1/2	10,022	1/2	25,059	1/2	40,048	1/2	55,057	1/2	70,074	1/2	85,091	1/2	100,108	1/2	115,124	1/2	130,141	1/2	145,092	1/2	156,323	1/2	166,761	1/2	177,199	1/2	187,637	1/2	
3/4	10,335	3/4	25,372	3/4	40,360	3/4	55,370	3/4	70,387	3/4	85,404	3/4	100,420	3/4	115,437	3/4	130,454	3/4	145,384	3/4	156,540	3/4	166,978	3/4	177,417	3/4	187,855	3/4	
8	10,648	8	25,686	8	40,672	8	55,683	8	70,700	8	85,717	8	100,733	8	115,750	8	130,767</td												



# BARGE "HFL-407"

## HINES FURLONG LINE

## INNAGE TABLE

3 STAR

HULL NO. 4596

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

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.
0	* 937	0	15,661	0	30,687	0	45,672	0	60,689	0	75,705	0	90,722	0	105,739	0	120,756	0	135,772	0	149,783	0	160,237	0	170,675	0	181,114	0	191,552
1/4	1,161	1/4	15,974	1/4	30,999	1/4	45,985	1/4	61,001	1/4	76,018	1/4	91,035	1/4	106,052	1/4	121,068	1/4	136,085	1/4	150,006	1/4	160,455	1/4	170,893	1/4	181,331	1/4	191,769
1/2	1,384	1/2	16,287	1/2	31,311	1/2	46,298	1/2	61,314	1/2	76,331	1/2	91,348	1/2	106,365	1/2	121,381	1/2	136,398	1/2	150,228	1/2	160,672	1/2	171,110	1/2	181,548	1/2	191,971
3/4	1,608	3/4	16,600	3/4	31,623	3/4	46,610	3/4	61,627	3/4	76,644	3/4	91,661	3/4	106,677	3/4	121,694	3/4	136,711	3/4	150,451	3/4	160,889	3/4	171,328	3/4	181,766	3/4	192,172
1	1,899	1	16,914	1	31,935	1	46,923	1	61,940	1	76,957	1	91,973	1	106,990	1	122,007	1	137,024	1	150,669	1	161,107	1	171,545	1	181,983	1	192,373
1/4	2,190	1/4	17,227	1/4	32,247	1/4	47,236	1/4	62,253	1/4	77,270	1/4	92,286	1/4	107,303	1/4	122,320	1/4	137,337	1/4	150,886	1/4	161,324	1/4	171,763	1/4	182,201	1/4	192,575
1/2	2,503	1/2	17,540	1/2	32,559	1/2	47,549	1/2	62,566	1/2	77,582	1/2	92,599	1/2	107,616	1/2	122,633	1/2	137,649	1/2	151,104	1/2	161,542	1/2	171,980	1/2	182,418	1/2	192,744
3/4	2,816	3/4	17,854	3/4	32,871	3/4	47,862	3/4	62,879	3/4	77,895	3/4	92,912	3/4	107,929	3/4	122,946	3/4	137,962	3/4	151,321	3/4	161,759	3/4	172,198	3/4	182,636	3/4	192,913
2	3,129	2	18,167	2	33,183	2	48,175	2	63,191	2	78,208	2	93,225	2	108,242	2	123,258	2	138,275	2	151,539	2	161,977	2	172,415	2	182,853	2	193,082
1/4	3,443	1/4	18,480	1/4	33,495	1/4	48,487	1/4	63,504	1/4	78,521	1/4	93,538	1/4	108,554	1/4	123,571	1/4	138,588	1/4	151,756	1/4	162,194	1/4	172,632	1/4	183,071	1/4	193,251
1/2	3,756	1/2	18,793	1/2	33,807	1/2	48,800	1/2	63,817	1/2	78,834	1/2	93,851	1/2	108,867	1/2	123,884	1/2	138,901	1/2	151,973	1/2	162,412	1/2	172,850	1/2	183,288	1/2	193,388
3/4	4,069	3/4	19,107	3/4	34,119	3/4	49,113	3/4	64,130	3/4	79,147	3/4	94,163	3/4	109,180	3/4	124,197	3/4	139,214	3/4	152,191	3/4	162,629	3/4	173,067	3/4	183,506	3/4	193,525
3	4,383	3	19,420	3	34,431	3	49,426	3	64,443	3	79,460	3	94,476	3	109,493	3	124,510	3	139,527	3	152,408	3	162,847	3	173,285	3	183,723	3	193,661
1/4	4,696	1/4	19,733	1/4	34,743	1/4	49,739	1/4	64,756	1/4	79,772	1/4	94,789	1/4	109,806	1/4	124,823	1/4	139,839	1/4	152,626	1/4	163,064	1/4	173,502	1/4	183,941	1/4	193,798
1/2	5,009	1/2	20,047	1/2	35,055	1/2	50,052	1/2	65,068	1/2	80,085	1/2	95,102	1/2	110,119	1/2	125,135	1/2	140,152	1/2	152,843	1/2	163,282	1/2	173,720	1/2	184,158	1/2	193,903
3/4	5,322	3/4	20,360	3/4	35,367	3/4	50,365	3/4	65,381	3/4	80,398	3/4	95,415	3/4	110,432	3/4	125,448	3/4	140,465	3/4	153,061	3/4	163,499	3/4	173,937	3/4	184,375	3/4	194,007
4	5,636	4	20,673	4	35,679	4	50,677	4	65,694	4	80,711	4	95,728	4	110,744	4	125,761	4	140,778	4	153,278	4	163,716	4	174,155	4	184,593	4	194,112
1/4	5,949	1/4	20,986	1/4	35,991	1/4	50,990	1/4	66,007	1/4	81,024	1/4	96,041	1/4	111,057	1/4	126,074	1/4	141,091	1/4	153,496	1/4	163,934	1/4	174,372	1/4	184,810	1/4	194,217
1/2	6,262	1/2	21,300	1/2	36,303	1/2	51,303	1/2	66,320	1/2	81,337	1/2	96,353	1/2	111,370	1/2	126,387	1/2	141,404	1/2	153,713	1/2	164,151	1/2	174,590	1/2	185,028	1/2	194,289
3/4	6,576	3/4	21,613	3/4	36,615	3/4	51,616	3/4	66,633	3/4	81,649	3/4	96,666	3/4	111,683	3/4	126,700	3/4	141,716	3/4	153,931	3/4	164,369	3/4	174,807	3/4	185,245	3/4	194,361
5	6,889	5	21,926	5	36,928	5	51,929	5	66,946	5	81,962	5	96,979	5	111,996	5	127,013	5	142,029	5	154,148	5	164,586	5	175,025	5	185,463	5	194,434
1/4	7,202	1/4	22,239	1/4	37,240	1/4	52,242	1/4	67,258	1/4	82,275	1/4	97,292	1/4	112,309	1/4	127,325	1/4	142,342	1/4	154,366	1/4	164,804	1/4	175,242	1/4	185,680	1/4	194,506
1/2	7,515	1/2	22,553	1/2	37,552	1/2	52,555	1/2	67,571	1/2	82,588	1/2	97,605	1/2	112,622	1/2	127,638	1/2	142,655	1/2	154,583	1/2	165,021	1/2	175,459	1/2	185,898	1/2	194,546
3/4	7,829	3/4	22,866	3/4	37,864	3/4	52,867	3/4	68,884	3/4	82,901	3/4	97,918	3/4	112,934	3/4	127,951	3/4	142,968	3/4	154,800	3/4	165,239	3/4	175,677	3/4	186,115	3/4	194,587
6	8,142	6	23,179	6	38,176	6	53,180	6	68,197	6	83,214	6	98,230	6	113,247	6	128,264	6	143,281	6	155,018	6	165,456	6	175,894	6	186,333	6	194,627
1/4	8,455	1/4	23,493	1/4	38,488	1/4	53,493	1/4	68,510	1/4	83,527	1/4	98,543	1/4	113,560	1/4	128,577	1/4	143,587	1/4	155,235	1/4	165,674	1/4	176,112	1/4	186,550	1/4	194,667
1/2	8,768	1/2	23,806	1/2	38,800	1/2	53,806	1/2	68,823	1/2	83,839	1/2	98,856	1/2	113,873	1/2	128,890	1/2	143,894	1/2	155,453	1/2	165,891	1/2	176,329	1/2	186,768	1/2	194,679
3/4	9,082	3/4	24,119	3/4	39,112	3/4	54,119	3/4	69,136	3/4	84,152	3/4	99,169	3/4	114,186	3/4	129,203	3/4	144,200	3/4	155,670	3/4	166,109	3/4	176,547	3/4	186,985	3/4	194,691
7	9,395	7	24,432	7	39,424	7	54,432	7	69,448	7	84,465	7	99,482	7	114,499	7	129,515	7	144,507	7	155,888	7	166,326	7	176,764	7	187,202	7	194,703
1/4	9,708	1/4	24,746	1/4	39,736	1/4	54,744	1/4	69,761	1/4	84,778	1/4	99,795	1/4	114,811	1/4	129,828	1/4	144,799	1/4	156,105	1/4	166,543	1/4	176,982	1/4	187,420	1/4	
1/2	10,022	1/2	25,059	1/2	40,048	1/2	55,057	1/2	70,074	1/2	85,091	1/2	100,108	1/2	115,124	1/2	130,141	1/2	145,092	1/2	156,323	1/2	166,761	1/2	177,199	1/2	187,637	1/2	
3/4	10,335	3/4	25,372	3/4	40,360	3/4	55,370	3/4	70,387	3/4	85,404	3/4	100,420	3/4	115,437	3/4	130,454	3/4	145,384	3/4	156,540	3/4	166,978	3/4	177,417	3/4	187,855	3/4	
8	10,648	8	25,686	8	40,672	8	55,683	8	70,700	8	85,717	8	100,733	8	115,750	8	130,767	8											



# BARGE "HFL-407"

## HINES FURLONG LINE

## OUTAGE TABLE

1 PORT

HULL NO. 4596

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

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.	IN	16 FT.
0		0	213,679	0	200,111	0	185,053	0	169,995	0	154,937	0	139,879	0	124,821	0	109,763	0	94,705	0	79,647	0	64,589	0	49,531	0	34,473	0	19,432	0	5,306
1/4		1/4	213,528	1/4	199,798	1/4	184,740	1/4	169,682	1/4	154,624	1/4	139,566	1/4	124,508	1/4	109,449	1/4	94,391	1/4	79,333	1/4	64,275	1/4	49,217	1/4	34,159	1/4	19,121	1/4	5,026
1/2		1/2	213,377	1/2	199,484	1/2	184,426	1/2	169,368	1/2	154,310	1/2	139,252	1/2	124,194	1/2	109,136	1/2	94,078	1/2	79,020	1/2	63,962	1/2	48,904	1/2	33,846	1/2	18,810	1/2	4,746
3/4		3/4	213,226	3/4	199,170	3/4	184,112	3/4	169,054	3/4	153,996	3/4	138,938	3/4	123,880	3/4	108,822	3/4	93,764	3/4	78,706	3/4	63,648	3/4	48,590	3/4	33,532	3/4	18,504	3/4	4,471
1		1	213,075	1	198,857	1	183,799	1	168,740	1	153,682	1	138,624	1	123,566	1	108,508	1	93,450	1	78,392	1	63,334	1	48,276	1	33,218	1	18,198	1	4,195
1/4		1/4	212,878	1/4	198,543	1/4	183,485	1/4	168,427	1/4	153,369	1/4	138,311	1/4	123,253	1/4	108,195	1/4	93,137	1/4	78,079	1/4	63,021	1/4	47,963	1/4	32,904	1/4	17,893	1/4	3,920
1/2		1/2	212,681	1/2	198,229	1/2	183,171	1/2	168,113	1/2	153,055	1/2	137,997	1/2	122,939	1/2	107,881	1/2	92,823	1/2	77,765	1/2	62,707	1/2	47,649	1/2	32,591	1/2	17,587	1/2	3,645
3/4		3/4	212,484	3/4	197,915	3/4	182,857	3/4	167,799	3/4	152,741	3/4	137,683	3/4	122,625	3/4	107,567	3/4	92,509	3/4	77,451	3/4	62,393	3/4	47,335	3/4	32,277	3/4	17,281	3/4	3,370
2		2	212,286	2	197,602	2	182,544	2	167,486	2	152,428	2	137,370	2	122,312	2	107,254	2	92,195	2	77,137	2	62,079	2	47,021	2	31,963	2	16,975	2	3,095
1/4		1/4	212,042	1/4	197,288	1/4	182,230	1/4	167,172	1/4	152,114	1/4	137,056	1/4	121,998	1/4	106,940	1/4	91,882	1/4	76,824	1/4	61,766	1/4	31,650	1/4	16,669	1/4	2,820		
1/2		1/2	211,799	1/2	196,974	1/2	181,916	1/2	166,858	1/2	151,800	1/2	136,742	1/2	121,684	1/2	106,626	1/2	91,568	1/2	76,510	1/2	61,452	1/2	34,394	1/2	13,336	1/2	16,364		
3/4		3/4	211,555	3/4	196,661	3/4	181,603	3/4	166,545	3/4	151,486	3/4	136,428	3/4	121,370	3/4	106,312	3/4	91,254	3/4	76,196	3/4	61,138	3/4	46,080	3/4	31,022	3/4	16,063	3/4	2,275
3		3	211,311	3	196,347	3	181,289	3	166,231	3	151,173	3	136,115	3	121,057	3	105,999	3	90,941	3	75,883	3	60,825	3	45,767	3	30,709	3	15,762	3	2,005
1/4		1/4	211,021	1/4	196,033	1/4	180,975	1/4	165,917	1/4	150,859	1/4	135,801	1/4	120,743	1/4	105,685	1/4	90,627	1/4	75,569	1/4	60,511	1/4	45,453	1/4	30,395	1/4	15,462	1/4	1,752
1/2		1/2	210,731	1/2	195,719	1/2	180,661	1/2	165,603	1/2	150,545	1/2	135,487	1/2	120,429	1/2	105,371	1/2	90,313	1/2	75,255	1/2	60,197	1/2	45,139	1/2	30,081	1/2	15,161	1/2	1,500
3/4		3/4	210,440	3/4	195,406	3/4	180,348	3/4	165,290	3/4	150,232	3/4	135,174	3/4	120,116	3/4	105,058	3/4	90,000	3/4	74,941	3/4	59,883	3/4	44,825	3/4	29,767	3/4	14,860	3/4	1,301
4		4	210,150	4	195,092	4	180,034	4	164,976	4	149,918	4	134,860	4	119,802	4	104,744	4	89,686	4	74,628	4	59,570	4	44,512	4	29,454	4	14,560	4	1,102
1/4		1/4	209,836	1/4	194,778	1/4	179,720	1/4	164,662	1/4	149,604	1/4	134,546	1/4	119,488	1/4	104,430	1/4	89,372	1/4	74,314	1/4	59,256	1/4	44,198	1/4	29,140	1/4	14,259	1/4	* 903
1/2		1/2	209,523	1/2	194,465	1/2	179,407	1/2	164,349	1/2	149,291	1/2	134,232	1/2	119,174	1/2	104,116	1/2	89,058	1/2	74,000	1/2	58,942	1/2	43,884	1/2	28,826	1/2	13,958	1/2	2,276
3/4		3/4	209,209	3/4	194,151	3/4	179,093	3/4	164,035	3/4	148,977	3/4	133,919	3/4	118,861	3/4	103,803	3/4	88,745	3/4	73,687	3/4	58,629	3/4	43,571	3/4	28,513	3/4	13,663	3/4	2,258
5		5	208,895	5	193,837	5	178,779	5	163,721	5	148,663	5	133,605	5	118,547	5	103,489	5	88,431	5	73,373	5	58,315	5	43,257	5	28,199	5	13,367	5	2,005
1/4		1/4	208,582	1/4	193,523	1/4	178,465	1/4	163,407	1/4	148,349	1/4	133,291	1/4	118,233	1/4	103,175	1/4	88,117	1/4	73,059	1/4	58,001	1/4	42,943	1/4	27,885	1/4	13,072	1/4	2,005
1/2		1/2	208,268	1/2	193,210	1/2	178,152	1/2	163,094	1/2	148,036	1/2	132,978	1/2	117,920	1/2	102,862	1/2	87,804	1/2	72,746	1/2	57,687	1/2	42,629	1/2	27,571	1/2	12,776	1/2	2,005
3/4		3/4	207,954	3/4	192,896	3/4	177,838	3/4	162,780	3/4	147,722	3/4	132,664	3/4	117,606	3/4	102,548	3/4	87,490	3/4	72,432	3/4	57,374	3/4	42,316	3/4	27,258	3/4	12,480	3/4	2,005
6		6	207,640	6	192,582	6	177,524	6	162,466	6	147,408	6	132,350	6	117,292	6	102,234	6	87,176	6	72,118	6	57,060	6	42,002	6	26,944	6	12,185	6	2,005
1/4		1/4	207,327	1/4	192,269	1/4	177,211	1/4	162,153	1/4	147,095	1/4	132,037	1/4	116,978	1/4	101,920	1/4	86,862	1/4	71,804	1/4	56,746	1/4	41,688	1/4	26,630	1/4	11,889	1/4	2,005
1/2		1/2	207,013	1/2	191,955	1/2	176,897	1/2	161,839	1/2	146,781	1/2	131,723	1/2	116,655	1/2	101,607	1/2	86,549	1/2	71,491	1/2	56,433	1/2	41,375	1/2	26,317	1/2	11,594	1/2	2,005
3/4		3/4	206,699	3/4	191,641	3/4	176,583	3/4	161,525	3/4	146,467	3/4	131,409	3/4	116,351	3/4	101,293	3/4	86,235	3/4	71,177	3/4	56,119	3/4	41,061	3/4	26,003	3/4	11,303	3/4	2,005
7		7	206,386	7	191,328	7	176,269	7	161,211	7	146,153	7	131,095	7	100,979	7	85,921	7	70,863	7	55,805	7	40,747	7	25,689	7	11,013	7	2,005		
1/4		1/4	206,072	1/4	191,014	1/4	175,956	1/4	160,898	1/4	145,840	1/4	130,782	1/4	115,724	1/4	100,666	1/4	85,608	1/4	70,550	1/4	55,492	1/4	40,433	1/4	25,375	1/4	10,722	1/4	2,005
1/2		1/2	205,758	1/2	190,700	1/2	175,642	1/2	160,584	1/2	145,526	1/2	130,468	1/2	115,410	1/2	100,352	1/2	85,294	1/2	70,236	1/2	55,178	1/2	40,120	1/2	25,062	1/2	10,432	1/2	2,005
3/4		3/4	205,444	3/4	190,386	3/4	175,328	3/4	160,270	3/4	145,212	3																			



# BARGE "HFL-407"

## HINES FURLONG LINE

## OUTAGE TABLE

1 STAR

HULL NO. 4596

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

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.	IN	16 FT.
0		0	213,679	0	200,111	0	185,053	0	169,995	0	154,937	0	139,879	0	124,821	0	109,763	0	94,705	0	79,647	0	64,589	0	49,531	0	34,473	0	19,432	0	5,306
1/4		1/4	213,528	1/4	199,798	1/4	184,740	1/4	169,682	1/4	154,624	1/4	139,566	1/4	124,508	1/4	109,449	1/4	94,391	1/4	79,333	1/4	64,275	1/4	49,217	1/4	34,159	1/4	19,121	1/4	5,026
1/2		1/2	213,377	1/2	199,484	1/2	184,426	1/2	169,368	1/2	154,310	1/2	139,252	1/2	124,194	1/2	109,136	1/2	94,078	1/2	79,020	1/2	63,962	1/2	48,904	1/2	33,846	1/2	18,810	1/2	4,746
3/4		3/4	213,226	3/4	199,170	3/4	184,112	3/4	169,054	3/4	153,996	3/4	138,938	3/4	123,880	3/4	108,822	3/4	93,764	3/4	78,706	3/4	63,648	3/4	48,590	3/4	33,532	3/4	18,504	3/4	4,471
1		1	213,075	1	198,857	1	183,799	1	168,740	1	153,682	1	138,624	1	123,566	1	108,508	1	93,450	1	78,392	1	63,334	1	48,276	1	33,218	1	18,198	1	4,195
1/4		1/4	212,878	1/4	198,543	1/4	183,485	1/4	168,427	1/4	153,369	1/4	138,311	1/4	123,253	1/4	108,195	1/4	93,137	1/4	78,079	1/4	63,021	1/4	47,963	1/4	32,904	1/4	17,893	1/4	3,920
1/2		1/2	212,681	1/2	198,229	1/2	183,171	1/2	168,113	1/2	153,055	1/2	137,997	1/2	122,939	1/2	107,881	1/2	92,823	1/2	77,765	1/2	62,707	1/2	47,649	1/2	32,591	1/2	17,587	1/2	3,645
3/4		3/4	212,484	3/4	197,915	3/4	182,857	3/4	167,799	3/4	152,741	3/4	137,683	3/4	122,625	3/4	107,567	3/4	92,509	3/4	77,451	3/4	62,393	3/4	47,335	3/4	32,277	3/4	17,281	3/4	3,370
2		2	212,286	2	197,602	2	182,544	2	167,486	2	152,428	2	137,370	2	122,312	2	107,254	2	92,195	2	77,137	2	62,079	2	47,021	2	31,963	2	16,975	2	3,095
1/4		1/4	212,042	1/4	197,288	1/4	182,230	1/4	167,172	1/4	152,114	1/4	137,056	1/4	121,998	1/4	106,940	1/4	91,882	1/4	61,766	1/4	46,708	1/4	31,650	1/4	16,669	1/4	2,820		
1/2		1/2	211,799	1/2	196,974	1/2	181,916	1/2	166,858	1/2	151,800	1/2	136,742	1/2	121,684	1/2	106,626	1/2	91,568	1/2	61,452	1/2	46,394	1/2	31,336	1/2	16,364	1/2	2,545		
3/4		3/4	211,555	3/4	196,661	3/4	181,603	3/4	166,545	3/4	151,486	3/4	136,428	3/4	121,370	3/4	106,312	3/4	91,254	3/4	76,196	3/4	61,138	3/4	46,080	3/4	31,022	3/4	16,063	3/4	2,275
3		3	211,311	3	196,347	3	181,289	3	166,231	3	151,173	3	136,115	3	121,057	3	105,999	3	90,941	3	75,883	3	60,825	3	45,767	3	30,709	3	15,762	3	2,005
1/4		1/4	211,021	1/4	196,033	1/4	180,975	1/4	165,917	1/4	150,859	1/4	135,801	1/4	120,743	1/4	105,685	1/4	90,627	1/4	75,569	1/4	60,511	1/4	45,453	1/4	30,395	1/4	15,462	1/4	1,752
1/2		1/2	210,731	1/2	195,719	1/2	180,661	1/2	165,603	1/2	150,545	1/2	135,487	1/2	120,429	1/2	105,371	1/2	90,313	1/2	75,255	1/2	60,197	1/2	45,139	1/2	30,081	1/2	15,161	1/2	1,500
3/4		3/4	210,440	3/4	195,406	3/4	180,348	3/4	165,290	3/4	150,232	3/4	135,174	3/4	120,116	3/4	105,058	3/4	90,000	3/4	74,941	3/4	59,883	3/4	44,825	3/4	29,767	3/4	14,860	3/4	1,301
4		4	210,150	4	195,092	4	180,034	4	164,976	4	149,918	4	134,860	4	119,802	4	104,744	4	89,686	4	74,628	4	59,570	4	44,512	4	29,454	4	14,560	4	1,102
1/4		1/4	209,836	1/4	194,778	1/4	179,720	1/4	164,662	1/4	149,604	1/4	134,546	1/4	119,488	1/4	104,430	1/4	89,372	1/4	74,314	1/4	59,256	1/4	44,198	1/4	29,140	1/4	14,259	1/4	* 903
1/2		1/2	209,523	1/2	194,465	1/2	179,407	1/2	164,349	1/2	149,291	1/2	134,232	1/2	119,174	1/2	104,116	1/2	89,058	1/2	74,000	1/2	58,942	1/2	43,884	1/2	28,826	1/2	13,958	1/2	1,276
3/4		3/4	209,209	3/4	194,151	3/4	179,093	3/4	164,035	3/4	148,977	3/4	133,919	3/4	118,861	3/4	103,803	3/4	88,745	3/4	73,687	3/4	58,629	3/4	43,571	3/4	28,513	3/4	13,663	3/4	3,470
5		5	208,895	5	193,837	5	178,779	5	163,721	5	148,663	5	133,605	5	118,547	5	103,489	5	88,431	5	73,373	5	58,315	5	43,257	5	28,199	5	13,367	5	2,360
1/4		1/4	208,582	1/4	193,523	1/4	178,465	1/4	163,407	1/4	148,349	1/4	133,291	1/4	118,233	1/4	103,175	1/4	88,117	1/4	73,059	1/4	58,001	1/4	42,943	1/4	27,885	1/4	13,072	1/4	2,072
1/2		1/2	208,268	1/2	193,210	1/2	178,152	1/2	163,094	1/2	148,036	1/2	132,978	1/2	117,920	1/2	102,862	1/2	87,804	1/2	72,746	1/2	57,687	1/2	42,629	1/2	27,571	1/2	12,776	1/2	2,072
3/4		3/4	207,954	3/4	192,896	3/4	177,838	3/4	162,780	3/4	147,722	3/4	132,664	3/4	117,606	3/4	102,548	3/4	87,490	3/4	72,432	3/4	57,374	3/4	42,316	3/4	27,258	3/4	12,480	3/4	2,478
6		6	207,640	6	192,582	6	177,524	6	162,466	6	147,408	6	132,350	6	117,292	6	102,234	6	87,176	6	72,118	6	57,060	6	42,002	6	26,944	6	12,185	6	2,182
1/4		1/4	207,327	1/4	192,269	1/4	177,211	1/4	162,153	1/4	147,095	1/4	132,037	1/4	116,978	1/4	101,920	1/4	86,862	1/4	71,804	1/4	56,746	1/4	41,688	1/4	26,630	1/4	11,889	1/4	2,182
1/2		1/2	207,013	1/2	191,955	1/2	176,897	1/2	161,839	1/2	146,781	1/2	131,723	1/2	116,665	1/2	101,607	1/2	86,549	1/2	71,491	1/2	56,433	1/2	41,375	1/2	26,317	1/2	11,594	1/2	2,182
3/4		3/4	206,699	3/4	191,641	3/4	176,583	3/4	161,525	3/4	146,467	3/4	131,409	3/4	116,351	3/4	101,293	3/4	86,235	3/4	71,177	3/4	56,119	3/4	41,061	3/4	26,003	3/4	11,303	3/4	2,182
7		7	206,386	7	191,328	7	176,269	7	161,211	7	146,153	7	131,095	7	116,037	7	100,979	7	85,921	7	70,863	7	55,805	7	40,747	7	25,689	7	11,013	7	2,182
1/4		1/4	206,072	1/4	191,014	1/4	175,956	1/4	154,898	1/4	145,840	1/4	130,782	1/4	115,724	1/4	100,666	1/4	85,608	1/4	70,550	1/4	55,492	1/4	40,433	1/4	25,375	1/4	10,722	1/4	2,182
1/2		1/2	205,758	1/2	190,700	1/2	175,642	1/2	160,584	1/2	145,526	1/2	130,468	1/2	115,410	1/2	100,352	1/2	85,294	1/2	70,236	1/2	55,178	1/2	40,120	1/2	25,062	1/2	10,432	1/2	2,182
3/4		3/4	205,444	3/4	190,386	3/4	175,328	3/4	160,270	3/4																					



# BARGE "HFL-407" HINES FURLONG LINE

## OUTAGE TABLE

## **2 PORT**

HULL NO. 4596

**CAPACITIES GIVEN IN U.S. GALLONS**

\* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 16'-4 1/2" (RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK)

**STRAPPED:** 12/10/07

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE  
IN ACCORDANCE WITH APPLICABLE API STANDARDS AND  
ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

INSPECTORATE AMERICA CORPORATION







# BARGE "HFL-407"

## HINES FURLONG LINE

## OUTAGE TABLE

3 STAR

HULL NO. 4596

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

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.	IN	16 FT.
0		0	194,289	0	185,028	0	174,590	0	164,151	0	153,713	0	141,404	0	126,387	0	111,370	0	96,353	0	81,337	0	66,320	0	51,303	0	36,303	0	21,300	0	6,262
1/4		1/4	194,217	1/4	184,810	1/4	174,372	1/4	163,934	1/4	153,496	1/4	141,091	1/4	126,074	1/4	111,057	1/4	96,041	1/4	81,024	1/4	66,007	1/4	50,990	1/4	35,991	1/4	20,986	1/4	5,949
1/2		1/2	194,112	1/2	184,593	1/2	174,155	1/2	163,716	1/2	153,278	1/2	140,778	1/2	125,761	1/2	110,744	1/2	95,728	1/2	80,711	1/2	65,694	1/2	50,677	1/2	35,679	1/2	20,673	1/2	5,636
3/4		3/4	194,007	3/4	184,375	3/4	173,937	3/4	163,499	3/4	153,061	3/4	140,465	3/4	125,448	3/4	110,432	3/4	95,415	3/4	80,398	3/4	65,381	3/4	50,365	3/4	35,367	3/4	20,360	3/4	5,322
1		1	193,903	1	184,158	1	173,720	1	163,282	1	152,843	1	140,152	1	125,135	1	110,119	1	95,102	1	80,085	1	65,068	1	50,052	1	35,055	1	20,047	1	5,009
1/4		1/4	193,798	1/4	183,941	1/4	173,502	1/4	163,064	1/4	152,626	1/4	139,839	1/4	124,823	1/4	109,806	1/4	94,789	1/4	79,772	1/4	64,756	1/4	49,739	1/4	34,743	1/4	19,733	1/4	4,696
1/2		1/2	193,661	1/2	183,723	1/2	173,285	1/2	162,847	1/2	152,408	1/2	139,527	1/2	124,510	1/2	109,493	1/2	94,476	1/2	79,460	1/2	64,443	1/2	49,426	1/2	34,431	1/2	19,420	1/2	4,383
3/4		3/4	193,525	3/4	183,506	3/4	173,067	3/4	162,629	3/4	152,191	3/4	139,214	3/4	124,197	3/4	109,180	3/4	94,163	3/4	79,147	3/4	64,130	3/4	49,113	3/4	34,119	3/4	19,107	3/4	4,069
2		2	193,388	2	183,288	2	172,850	2	162,412	2	151,973	2	138,901	2	123,884	2	108,867	2	93,851	2	78,834	2	63,817	2	48,800	2	33,807	2	18,793	2	3,756
1/4		1/4	193,251	1/4	183,071	1/4	172,632	1/4	162,194	1/4	151,756	1/4	138,588	1/4	123,571	1/4	108,554	1/4	93,538	1/4	78,521	1/4	63,504	1/4	48,487	1/4	33,495	1/4	18,480	1/4	3,443
1/2		1/2	193,082	1/2	182,853	1/2	172,415	1/2	161,977	1/2	151,539	1/2	138,275	1/2	123,258	1/2	108,242	1/2	93,225	1/2	78,208	1/2	63,191	1/2	48,175	1/2	33,183	1/2	18,167	1/2	3,129
3/4		3/4	192,913	3/4	182,636	3/4	172,198	3/4	161,946	3/4	151,321	3/4	137,962	3/4	122,946	3/4	107,929	3/4	92,912	3/4	77,895	3/4	62,879	3/4	47,862	3/4	32,871	3/4	17,854	3/4	2,816
3		3	192,744	3	182,418	3	171,980	3	161,542	3	151,104	3	137,649	3	122,633	3	107,616	3	92,599	3	77,582	3	62,566	3	47,549	3	32,559	3	17,540	3	2,503
1/4		1/4	192,575	1/4	182,201	1/4	171,763	1/4	161,324	1/4	150,886	1/4	137,337	1/4	122,320	1/4	107,303	1/4	92,286	1/4	77,270	1/4	62,253	1/4	47,236	1/4	32,247	1/4	17,227	1/4	2,190
1/2		1/2	192,373	1/2	181,983	1/2	171,545	1/2	161,107	1/2	150,669	1/2	137,024	1/2	122,007	1/2	106,990	1/2	91,973	1/2	76,957	1/2	61,940	1/2	46,923	1/2	31,935	1/2	16,914	1/2	1,899
3/4		3/4	192,172	3/4	181,766	3/4	171,328	3/4	160,889	3/4	150,451	3/4	136,711	3/4	121,694	3/4	106,677	3/4	91,661	3/4	76,644	3/4	61,627	3/4	46,610	3/4	31,623	3/4	16,600	3/4	1,608
4		4	191,971	4	181,548	4	171,110	4	160,672	4	150,228	4	136,398	4	121,381	4	106,365	4	91,348	4	76,331	4	61,314	4	46,298	4	31,311	4	16,287	4	1,384
1/4		1/4	191,769	1/4	181,331	1/4	170,893	1/4	160,455	1/4	150,006	1/4	136,085	1/4	121,068	1/4	106,052	1/4	91,035	1/4	76,018	1/4	61,001	1/4	45,985	1/4	30,999	1/4	15,974	1/4	1,161
1/2		1/2	191,552	1/2	181,114	1/2	170,675	1/2	160,237	1/2	149,783	1/2	135,772	1/2	120,756	1/2	105,739	1/2	90,722	1/2	75,705	1/2	60,689	1/2	45,672	1/2	30,687	1/2	15,661	1/2	* 937
3/4		3/4	191,334	3/4	180,896	3/4	170,458	3/4	160,020	3/4	149,547	3/4	135,459	3/4	120,443	3/4	105,426	3/4	90,409	3/4	75,392	3/4	60,376	3/4	45,359	3/4	30,375	3/4	15,347	3/4	
5		5	191,117	5	180,679	5	170,240	5	159,802	5	149,312	5	135,147	5	120,130	5	105,113	5	90,096	5	75,080	5	60,063	5	45,046	5	30,063	5	15,034	5	
1/4		1/4	190,899	1/4	180,461	1/4	170,023	1/4	159,585	1/4	149,077	1/4	134,834	1/4	119,817	1/4	104,800	1/4	89,784	1/4	74,767	1/4	59,750	1/4	44,733	1/4	29,751	1/4	14,721	1/4	
1/2		1/2	190,682	1/2	180,244	1/2	170,504	1/2	159,367	1/2	148,842	1/2	134,521	1/2	119,504	1/2	104,487	1/2	89,471	1/2	74,454	1/2	54,437	1/2	44,420	1/2	24,393	1/2	14,408	1/2	
3/4		3/4	190,464	3/4	180,026	3/4	169,588	3/4	159,150	3/4	148,592	3/4	134,208	3/4	119,191	3/4	104,175	3/4	89,158	3/4	74,141	3/4	59,124	3/4	44,108	3/4	29,127	3/4	14,094	3/4	
6		6	190,247	6	179,809	6	169,371	6	158,932	6	148,343	6	133,895	6	118,879	6	103,862	6	88,845	6	73,828	6	58,811	6	43,795	6	28,815	6	13,781	6	
1/4		1/4	190,029	1/4	179,591	1/4	169,153	1/4	158,715	1/4	148,093	1/4	133,582	1/4	118,566	1/4	103,549	1/4	88,532	1/4	73,515	1/4	58,499	1/4	43,482	1/4	28,503	1/4	13,468	1/4	
1/2		1/2	189,812	1/2	179,374	1/2	168,936	1/2	158,497	1/2	147,843	1/2	133,270	1/2	118,253	1/2	103,236	1/2	88,219	1/2	73,203	1/2	58,186	1/2	43,169	1/2	28,191	1/2	13,154	1/2	
3/4		3/4	189,595	3/4	179,156	3/4	168,718	3/4	158,280	3/4	147,580	3/4	132,957	3/4	117,940	3/4	102,923	3/4	87,906	3/4	72,890	3/4	57,873	3/4	42,856	3/4	27,879	3/4	12,841	3/4	
7		7	189,377	7	178,939	7	168,501	7	158,062	7	147,316	7	132,644	7	117,627	7	102,610	7	87,594	7	72,577	7	57,560	7	42,544	7	27,565	7	12,528	7	
1/4		1/4	189,160	1/4	178,721	1/4	168,283	1/4	157,845	1/4	147,052	1/4	132,331	1/4	117,314	1/4	102,298	1/4	87,281	1/4	72,264	1/4	57,247	1/4	42,232	1/4	27,252	1/4	12,215	1/4	
1/2		1/2	188,942	1/2	178,504	1/2	168,066	1/2	157,627	1/2	146,788	1/2	132,018	1/2	117,001	1/2	101,985	1/2	86,968	1/2	71,951	1/2	56,934	1/2	41,920	1/2	26,939	1/2	11,901	1/2	
3/4		3/4	188,725	3/4	178,286	3/4	167,410	3/4	157,410	3/4	131,705	3/4	116,689	3/4																	



# BARGE "HFL-407"

## HINES FURLONG LINE

### INNAGE TABLE

### PORT SLOP TANK

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4596

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.								
0	0	0	0	1,171	0	2,343	0	3,514	0	4,685	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
1/4	24	1/4	1,196	1/4	2,367	1/4	3,538	1/4	4,710	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4									
1/2	49	1/2	1,220	1/2	2,391	1/2	3,563	1/2	4,734	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2									
3/4	73	3/4	1,245	3/4	2,416	3/4	3,587	3/4	4,759	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4									
1	98	1	1,269	1	2,440	1	3,612	1	4,783	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
1/4	122	1/4	1,293	1/4	2,465	1/4	3,636	1/4	4,807	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4								
1/2	146	1/2	1,318	1/2	2,489	1/2	3,660	1/2	4,832	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2								
3/4	171	3/4	1,342	3/4	2,514	3/4	3,685	3/4	4,856	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4								
2	195	2	1,367	2	2,538	2	3,709	2	4,881	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2								
1/4	220	1/4	1,391	1/4	2,562	1/4	3,734	1/4	4,905	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4								
1/2	244	1/2	1,415	1/2	2,587	1/2	3,758	1/2	4,929	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2								
3/4	268	3/4	1,440	3/4	2,611	3/4	3,782	3/4	4,954	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4								
3	293	3	1,464	3	2,636	3	3,807	3	4,978	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3								
1/4	317	1/4	1,489	1/4	2,660	1/4	3,831	1/4	5,003	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4								
1/2	342	1/2	1,513	1/2	2,684	1/2	3,856	1/2	5,027	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2								
3/4	366	3/4	1,537	3/4	2,709	3/4	3,880	3/4	5,051	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4								
4	390	4	1,562	4	2,733	4	3,904	4	5,076	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4								
1/4	415	1/4	1,586	1/4	2,758	1/4	3,929	1/4	5,100	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4								
1/2	439	1/2	1,611	1/2	2,782	1/2	3,953	1/2	5,125	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2								
3/4	464	3/4	1,635	3/4	2,806	3/4	3,978	3/4	5,149	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4								
5	488	5	1,659	5	2,831	5	4,002	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5								
1/4	512	1/4	1,684	1/4	2,855	1/4	4,026	1/4	5	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4							
1/2	537	1/2	1,708	1/2	2,880	1/2	4,051	1/2	5	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2							
3/4	561	3/4	1,733	3/4	2,904	3/4	4,075	3/4	5	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4							
6	586	6	1,757	6	2,928	6	4,100	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6								
1/4	610	1/4	1,781	1/4	2,953	1/4	4,124	1/4	6	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4							
1/2	634	1/2	1,806	1/2	2,977	1/2	4,149	1/2	6	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2							
3/4	659	3/4	1,830	3/4	3,002	3/4	4,173	3/4	6	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4						
7	683	7	1,855	7	3,026	7	4,197	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7							
1/4	708	1/4	1,879	1/4	3,050	1/4	4,222	1/4	7	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4						
1/2	732	1/2	1,903	1/2	3,075	1/2	4,246	1/2	7	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2							
3/4	756	3/4	1,928	3/4	3,099	3/4	4,271	3/4	7	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4					
8	781	8	1,952	8	3,124	8	4,295	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8							
1/4	805	1/4	1,977	1/4	3,148	1/4	4,319	1/4	8	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4					
1/2	830	1/2	2,001	1/2	3,172	1/2	4,344	1/2	8	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2						
3/4	854	3/4	2,025	3/4	3,197	3/4	4,368	3/4	8	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
9	879	9	2,050	9	3,221	9	4,393	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9					
1/4	903	1/4	2,074	1/4	3,246	1/4	4,417	1/4	9	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	927	1/2	2,099	1/2	3,270	1/2	4,441	1/2	9	1/2	1/2																										





# BARGE "HFL-407"

## HINES FURLONG LINE

## OUTAGE TABLE

PORT SLOP TANK

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4596

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.		
0	0		0		0		4,173	0	3,002	0	1,830	0	659	0	0		0		0		0		0		0		0		0		
1/4		1/4		1/4		1/4	4,149	1/4	2,977	1/4	1,806	1/4	634	1/4	0		1/4		1/4		0		0		0		0		0		
1/2		1/2		1/2		1/2	4,124	1/2	2,953	1/2	1,781	1/2	610	1/2	0		1/2		1/2		0		0		0		0		0		
3/4		3/4		3/4		3/4	4,100	3/4	2,928	3/4	1,757	3/4	586	3/4	0		3/4		3/4		0		0		0		0		0		
1			1			1	4,075	1	2,904	1	1,733	1	561	1	0		1		1		1		1		1		1		1		
1/4		1/4		1/4		1/4	4,051	1/4	2,880	1/4	1,708	1/4	537	1/4	0		1/4		1/4		0		0		0		0		0		
1/2		1/2		1/2		1/2	4,026	1/2	2,855	1/2	1,684	1/2	512	1/2	0		1/2		1/2		0		0		0		0		0		
3/4		3/4		3/4		3/4	4,002	3/4	2,831	3/4	1,659	3/4	488	3/4	0		3/4		3/4		0		0		0		0		0		
2		2			2	5,149	2	3,978	2	2,806	2	1,635	2	464	2	0		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4	5,125	1/4	3,953	1/4	2,782	1/4	1,611	1/4	439	1/4	0		1/4		1/4		0		0		0		0		
1/2		1/2		1/2		1/2	5,100	1/2	3,929	1/2	2,758	1/2	1,586	1/2	415	1/2	0		1/2		1/2		0		0		0		0		
3/4		3/4		3/4		3/4	5,076	3/4	3,904	3/4	2,733	3/4	1,562	3/4	390	3/4	0		3/4		3/4		0		0		0		0		
3		3			3	5,051	3	3,880	3	2,709	3	1,537	3	366	3	0		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4	5,027	1/4	3,856	1/4	2,684	1/4	1,513	1/4	342	1/4	0		1/4		1/4		0		0		0		0		
1/2		1/2		1/2		1/2	5,003	1/2	3,831	1/2	2,660	1/2	1,489	1/2	317	1/2	0		1/2		1/2		0		0		0		0		
3/4		3/4		3/4		3/4	4,978	3/4	3,807	3/4	2,636	3/4	1,464	3/4	293	3/4	0		3/4		3/4		0		0		0		0		
4		4			4	4,954	4	3,782	4	2,611	4	1,440	4	268	4	0		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4	4,929	1/4	3,758	1/4	2,587	1/4	1,415	1/4	244	1/4	0		1/4		1/4		0		0		0		0		
1/2		1/2		1/2		1/2	4,905	1/2	3,734	1/2	2,562	1/2	1,391	1/2	220	1/2	0		1/2		1/2		0		0		0		0		
3/4		3/4		3/4		3/4	4,881	3/4	3,709	3/4	2,538	3/4	1,367	3/4	195	3/4	0		3/4		3/4		0		0		0		0		
5		5			5	4,856	5	3,685	5	2,514	5	1,342	5	171	5	0		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4	4,832	1/4	3,660	1/4	2,489	1/4	1,318	1/4	146	1/4	0		1/4		1/4		0		0		0		0		
1/2		1/2		1/2		1/2	4,807	1/2	3,636	1/2	2,465	1/2	1,293	1/2	122	1/2	0		1/2		1/2		0		0		0		0		
3/4		3/4		3/4		3/4	4,783	3/4	3,612	3/4	2,440	3/4	1,269	3/4	98	3/4	0		3/4		3/4		0		0		0		0		
6		6			6	4,759	6	3,587	6	2,416	6	1,245	6	73	6	0		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4	4,734	1/4	3,563	1/4	2,391	1/4	1,220	1/4	49	1/4	0		1/4		1/4		0		0		0		0		
1/2		1/2		1/2		1/2	4,710	1/2	3,538	1/2	2,367	1/2	1,196	1/2	24	1/2	0		1/2		1/2		0		0		0		0		
3/4		3/4		3/4		3/4	4,685	3/4	3,514	3/4	2,343	3/4	1,171	3/4	0		3/4		3/4		0		0		0		0		0		
7		7			7	4,661	7	3,490	7	2,318	7	1,147	7	0		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4	4,637	1/4	3,465	1/4	2,294	1/4	1,123	1/4	0		1/4		1/4		0		0		0		0		0		
1/2		1/2		1/2		1/2	4,612	1/2	3,441	1/2	2,269	1/2	1,098	1/2	0		1/2		1/2		0		0		0		0		0		
3/4		3/4		3/4		3/4	4,588	3/4	3,416	3/4	2,245	3/4	1,074	3/4	0		3/4		3/4		0		0		0		0		0		
8		8			8	4,563	8	3,392	8	2,221	8	1,049	8	0		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4	4,539	1/4	3,368	1/4	2,196	1/4	1,025	1/4	0		1/4		1/4		0		0		0		0		0		
1/2		1/2		1/2		1/2	4,515	1/2	3,343	1/2	2,172	1/2	1,001	1/2	0		1/2		1/2		0		0		0		0		0		
3/4		3/4		3/4		3/4	4,490	3/4	3,319	3/4	2,147	3/4	976	3/4	0		3/4		3/4		0		0		0		0		0		
9		9			9	4,466	9	3,294	9	2,123	9	952	9	0		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4	4,441	1/4	3,270	1/4	2,099	1/4	927	1/4	0		1/4		1/4		0		0		0		0		0		
1/2		1/2		1/2		1/2	4,417	1/2	3,246	1/2	2,074	1/2	903	1/2	0		1/2		1/2		0		0		0		0		0		
3/4		3/4		3/4		3/4	4,393	3/4	3,221	3/4	2,050	3/4	879	3/4	0		3/4		3/4		0		0		0		0		0		
10		10			10	4,368	10	3,197	10	2,025	10	854	10	0		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4	4,344	1/4	3,172	1/4	2,001	1/4	830	1/4	0		1/4		1/4		0		0		0		0		0		
1/2		1/2		1/2		1/2	4,319	1/2	3,148	1/2	1,977	1/2	805	1/2	0		1/2		1/2		0		0		0		0		0		
3/4		3/4		3/4		3/4	4,295	3/4	3,124	3/4	1,952	3/4	781	3/4	0		3/4		3/4		0		0		0		0		0		
11		11			11	4,271	11	3,099	11	1,928	11	756	11	0		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4	4,246	1/4	3,075	1/4	1,903	1/4	732	1/4	0		1/4		1/4		0		0		0		0		0		
1/2		1/2		1/2		1/2	4,222	1/2	3,050	1/2	1,879	1/2	708</td																		

