



# BARGE "HFL-601"

## HINES FURLONG LINE

### OUTAGE TABLE

1 PORT

HULL NO. 4597

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	207,174	0	194,399	0	179,942	0	165,450	0	150,958	0	136,465	0	121,973	0	107,481	0	92,989	0	78,497	0	64,005	0	49,512	0	35,020	0	20,528	0	6,036	
1/4	1/4	207,073	1/4	194,099	1/4	179,640	1/4	165,148	1/4	150,656	1/4	136,163	1/4	121,671	1/4	107,179	1/4	92,687	1/4	78,195	1/4	63,703	1/4	49,211	1/4	34,718	1/4	20,226	1/4	5,734	
1/2	1/2	206,928	1/2	193,800	1/2	179,338	1/2	164,846	1/2	150,354	1/2	135,862	1/2	121,369	1/2	106,877	1/2	92,385	1/2	77,893	1/2	63,401	1/2	48,909	1/2	34,416	1/2	19,924	1/2	5,432	
3/4	3/4	206,783	3/4	193,500	3/4	179,036	3/4	164,544	3/4	150,052	3/4	135,560	3/4	121,067	3/4	106,575	3/4	92,083	3/4	77,591	3/4	63,099	3/4	48,607	3/4	34,115	3/4	19,622	3/4	5,130	
1	1	206,638	1	193,201	1	178,734	1	164,242	1	149,750	1	135,258	1	120,766	1	106,273	1	91,781	1	77,289	1	62,797	1	48,305	1	33,813	1	19,320	1	4,828	
1/4	1/4	206,492	1/4	192,901	1/4	178,432	1/4	163,940	1/4	149,448	1/4	134,956	1/4	120,464	1/4	105,971	1/4	91,479	1/4	76,987	1/4	62,495	1/4	48,003	1/4	33,511	1/4	19,019	1/4	4,526	
1/2	1/2	206,303	1/2	192,601	1/2	178,130	1/2	163,638	1/2	149,146	1/2	134,654	1/2	120,162	1/2	105,670	1/2	91,177	1/2	76,685	1/2	62,193	1/2	47,701	1/2	33,209	1/2	18,717	1/2	4,224	
3/4	3/4	206,113	3/4	192,302	3/4	177,828	3/4	163,336	3/4	148,844	3/4	134,352	3/4	119,860	3/4	105,368	3/4	90,875	3/4	76,383	3/4	61,891	3/4	47,399	3/4	32,907	3/4	18,415	3/4	3,923	
2	2	205,923	2	192,002	2	177,527	2	163,034	2	148,542	2	134,050	2	119,558	2	105,066	2	90,574	2	76,081	2	61,589	2	47,097	2	32,605	2	18,113	2	3,621	
1/4	1/4	205,733	1/4	191,703	1/4	177,225	1/4	162,732	1/4	148,240	1/4	133,748	1/4	119,256	1/4	104,764	1/4	90,272	1/4	75,779	1/4	61,287	1/4	46,795	1/4	32,303	1/4	17,811	1/4	3,319	
1/2	1/2	205,498	1/2	191,403	1/2	176,923	1/2	162,431	1/2	147,938	1/2	133,446	1/2	104,462	1/2	89,970	1/2	75,478	1/2	60,985	1/2	46,493	1/2	32,001	1/2	17,509	1/2	3,017			
3/4	3/4	205,264	3/4	191,104	3/4	176,621	3/4	162,129	3/4	147,636	3/4	133,144	3/4	118,652	3/4	104,160	3/4	89,668	3/4	75,176	3/4	60,683	3/4	46,191	3/4	31,699	3/4	17,207	3/4	2,715	
3	3	205,029	3	190,804	3	176,319	3	161,827	3	147,335	3	132,842	3	118,350	3	103,858	3	89,366	3	74,874	3	60,382	3	45,889	3	31,397	3	16,905	3	2,413	
1/4	1/4	204,795	1/4	190,504	1/4	176,017	1/4	161,525	1/4	147,033	1/4	132,540	1/4	118,048	1/4	103,556	1/4	89,064	1/4	74,572	1/4	60,080	1/4	45,587	1/4	31,095	1/4	16,603	1/4	2,111	
1/2	1/2	204,517	1/2	190,205	1/2	175,715	1/2	161,223	1/2	146,731	1/2	132,239	1/2	117,746	1/2	103,254	1/2	88,762	1/2	74,270	1/2	59,778	1/2	45,286	1/2	30,793	1/2	16,301	1/2	1,831	
3/4	3/4	204,240	3/4	189,905	3/4	175,413	3/4	160,921	3/4	146,429	3/4	131,937	3/4	102,952	3/4	88,460	3/4	73,968	3/4	59,476	3/4	44,984	3/4	30,491	3/4	15,999	3/4	1,551			
4	4	203,963	4	189,603	4	175,111	4	160,619	4	146,127	4	131,635	4	117,143	4	102,650	4	88,158	4	73,666	4	59,174	4	44,682	4	30,190	4	15,697	4	1,335	
1/4	1/4	203,686	1/4	189,301	1/4	174,809	1/4	160,317	1/4	145,825	1/4	131,333	1/4	116,841	1/4	102,348	1/4	87,856	1/4	73,364	1/4	58,872	1/4	44,380	1/4	29,888	1/4	15,395	1/4	1,120	
1/2	1/2	203,386	1/2	188,999	1/2	174,507	1/2	160,015	1/2	145,523	1/2	131,031	1/2	116,539	1/2	102,047	1/2	87,554	1/2	73,062	1/2	58,570	1/2	44,078	1/2	29,586	1/2	15,094	1/2	* 904	
3/4	3/4	203,087	3/4	188,698	3/4	174,205	3/4	159,713	3/4	145,221	3/4	130,729	3/4	116,237	3/4	101,745	3/4	87,252	3/4	72,760	3/4	58,268	3/4	43,776	3/4	29,284	3/4	14,792	3/4		
5	5	202,787	5	188,396	5	173,903	5	159,411	5	144,919	5	130,427	5	115,935	5	101,443	5	86,951	5	72,458	5	57,966	5	43,474	5	28,982	5	14,490	5		
1/4	1/4	202,487	1/4	188,094	1/4	173,602	1/4	159,109	1/4	144,617	1/4	130,125	1/4	115,633	1/4	101,141	1/4	86,649	1/4	72,156	1/4	57,664	1/4	43,172	1/4	28,680	1/4	14,188	1/4		
1/2	1/2	202,188	1/2	187,792	1/2	173,300	1/2	158,807	1/2	144,315	1/2	129,823	1/2	115,331	1/2	100,839	1/2	86,347	1/2	71,855	1/2	57,362	1/2	42,870	1/2	28,378	1/2	13,886	1/2		
3/4	3/4	201,888	3/4	187,490	3/4	172,998	3/4	158,506	3/4	144,013	3/4	129,521	3/4	105,029	3/4	100,537	3/4	86,045	3/4	71,553	3/4	57,060	3/4	42,568	3/4	28,076	3/4	13,584	3/4		
6	6	201,589	6	187,188	6	172,696	6	158,204	6	143,711	6	129,219	6	114,727	6	100,235	6	85,743	6	71,251	6	56,759	6	42,266	6	27,774	6	13,282	6		
1/4	1/4	201,289	1/4	186,886	1/4	172,394	1/4	157,902	1/4	143,410	1/4	128,917	1/4	114,425	1/4	99,933	1/4	85,441	1/4	70,949	1/4	56,457	1/4	41,964	1/4	27,472	1/4	12,980	1/4		
1/2	1/2	200,990	1/2	186,584	1/2	172,092	1/2	157,600	1/2	143,108	1/2	128,615	1/2	114,123	1/2	99,631	1/2	85,139	1/2	70,647	1/2	56,155	1/2	41,663	1/2	27,170	1/2	12,678	1/2		
3/4	3/4	200,690	3/4	186,282	3/4	171,790	3/4	157,298	3/4	142,806	3/4	128,314	3/4	113,821	3/4	99,329	3/4	84,837	3/4	70,345	3/4	55,853	3/4	41,361	3/4	26,868	3/4	12,376	3/4		
7	7	200,390	7	185,980	7	171,488	7	156,996	7	142,504	7	128,012	7	113,519	7	99,027	7	84,535	7	70,043	7	55,551	7	41,059	7	26,567	7	12,074	7		
1/4	1/4	200,091	1/4	185,678	1/4	171,186	1/4	156,694	1/4	142,202	1/4	127,710	1/4	113,218	1/4	98,725	1/4	84,233	1/4	69,741	1/4	55,249	1/4	40,757	1/4	26,265	1/4	11,772	1/4		
1/2	1/2	199,791	1/2	185,376	1/2	170,884	1/2	156,392	1/2	141,900	1/2	127,408	1/2	112,916	1/2	98,423	1/2	83,931	1/2	69,439	1/2	54,947	1/2	40,455	1/2	25,963	1/2	11,471	1/2		
3/4	3/4	199,492	3/4	185,075	3/4	170,582	3/4	156,090	3/4	141,598	3/4	127,106	3/4	112,614	3/4	98,122	3/4	83,629	3/4	69,137	3/4	54,645	3/4	40,153	3/4	25,661	3/4	1			



# BARGE "HFL-601"

## HINES FURLONG LINE

## OUTAGE TABLE

1 STAR

HULL NO. 4597

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	207,073	0	194,099	0	179,640	0	165,148	0	150,656	0	136,163	0	121,671	0	107,179	0	92,687	0	78,195	0	63,703	0	49,211	0	34,718	0	20,226	0	5,734	
	1/4	206,928	1/4	193,800	1/4	179,338	1/4	164,846	1/4	150,354	1/4	135,862	1/4	121,369	1/4	106,877	1/4	92,385	1/4	77,893	1/4	63,401	1/4	48,909	1/4	34,416	1/4	19,924	1/4	5,432	
	1/2	206,783	1/2	193,500	1/2	179,036	1/2	164,544	1/2	150,052	1/2	135,560	1/2	121,067	1/2	106,575	1/2	92,083	1/2	77,591	1/2	63,099	1/2	48,607	1/2	34,115	1/2	19,622	1/2	5,130	
	3/4	206,638	3/4	193,201	3/4	178,734	3/4	164,242	3/4	149,750	3/4	135,258	3/4	120,766	3/4	106,273	3/4	91,781	3/4	77,289	3/4	62,797	3/4	48,305	3/4	33,813	3/4	19,320	3/4	4,828	
1	1	206,492	1	192,901	1	178,432	1	163,940	1	149,448	1	120,464	1	105,971	1	91,479	1	76,987	1	62,495	1	48,003	1	33,511	1	19,019	1	4,526			
	1/4	206,303	1/4	192,601	1/4	178,130	1/4	163,638	1/4	149,146	1/4	120,162	1/4	105,670	1/4	91,177	1/4	76,685	1/4	62,193	1/4	47,701	1/4	33,209	1/4	18,717	1/4	4,224			
	1/2	206,113	1/2	192,302	1/2	177,828	1/2	163,336	1/2	148,844	1/2	134,352	1/2	119,860	1/2	105,368	1/2	90,875	1/2	76,383	1/2	61,891	1/2	47,399	1/2	32,907	1/2	18,415	1/2	3,923	
	3/4	205,923	3/4	192,002	3/4	177,527	3/4	163,034	3/4	148,542	3/4	134,050	3/4	119,558	3/4	105,066	3/4	90,574	3/4	76,081	3/4	61,589	3/4	47,097	3/4	32,605	3/4	19,113	3/4	3,621	
2	2	205,733	2	191,703	2	177,225	2	162,732	2	148,240	2	133,748	2	104,764	2	90,272	2	75,779	2	61,287	2	46,795	2	32,303	2	17,811	2	3,319			
	1/4	205,498	1/4	191,403	1/4	176,923	1/4	162,431	1/4	147,938	1/4	133,446	1/4	118,954	1/4	104,462	1/4	89,970	1/4	75,478	1/4	60,985	1/4	46,493	1/4	32,001	1/4	17,509	1/4	3,017	
	1/2	205,264	1/2	191,104	1/2	176,621	1/2	162,129	1/2	147,636	1/2	133,144	1/2	118,652	1/2	104,160	1/2	89,668	1/2	75,176	1/2	61,683	1/2	46,191	1/2	31,699	1/2	17,207	1/2	2,715	
	3/4	205,029	3/4	190,804	3/4	176,319	3/4	161,827	3/4	147,335	3/4	132,842	3/4	103,858	3/4	89,366	3/4	74,874	3/4	60,382	3/4	45,889	3/4	31,397	3/4	16,905	3/4	2,413			
3	3	204,795	3	190,504	3	176,017	3	161,525	3	147,033	3	132,540	3	118,048	3	103,556	3	89,064	3	74,572	3	60,080	3	45,587	3	31,095	3	16,603	3	2,111	
	1/4	204,517	1/4	190,205	1/4	175,715	1/4	161,223	1/4	146,731	1/4	132,239	1/4	117,746	1/4	103,254	1/4	88,762	1/4	74,270	1/4	59,778	1/4	45,286	1/4	30,793	1/4	16,301	1/4	1,831	
	1/2	204,240	1/2	189,905	1/2	175,413	1/2	160,921	1/2	146,429	1/2	131,937	1/2	117,444	1/2	102,952	1/2	88,460	1/2	73,968	1/2	59,476	1/2	44,984	1/2	30,491	1/2	15,999	1/2	1,551	
	3/4	203,963	3/4	189,603	3/4	175,111	3/4	160,619	3/4	146,127	3/4	131,635	3/4	117,143	3/4	102,650	3/4	88,158	3/4	73,666	3/4	59,174	3/4	44,682	3/4	30,190	3/4	15,697	3/4	1,335	
4	4	203,686	4	189,301	4	174,809	4	160,317	4	145,825	4	131,333	4	116,841	4	102,348	4	87,856	4	73,364	4	58,872	4	44,380	4	29,888	4	15,395	4	1,120	
	1/4	203,386	1/4	188,999	1/4	174,507	1/4	160,015	1/4	145,523	1/4	131,031	1/4	116,539	1/4	102,047	1/4	87,554	1/4	73,062	1/4	58,570	1/4	44,078	1/4	29,586	1/4	15,094	1/4	* 904	
	1/2	203,087	1/2	188,698	1/2	174,205	1/2	159,713	1/2	145,221	1/2	130,729	1/2	116,237	1/2	101,745	1/2	87,252	1/2	72,760	1/2	58,268	1/2	43,776	1/2	29,284	1/2	14,792	1/2		
	3/4	202,787	3/4	188,396	3/4	173,903	3/4	159,411	3/4	144,919	3/4	130,427	3/4	115,935	3/4	101,443	3/4	86,951	3/4	72,458	3/4	57,966	3/4	43,474	3/4	28,982	3/4	14,490	3/4		
5	5	202,487	5	188,094	5	173,602	5	159,109	5	144,617	5	130,125	5	115,633	5	101,141	5	86,649	5	72,156	5	57,664	5	43,172	5	28,680	5	14,188	5		
	1/4	202,188	1/4	187,792	1/4	173,300	1/4	158,807	1/4	144,315	1/4	129,823	1/4	115,331	1/4	100,839	1/4	86,347	1/4	71,855	1/4	57,362	1/4	42,870	1/4	28,378	1/4	13,886	1/4		
	1/2	201,888	1/2	187,490	1/2	172,998	1/2	158,506	1/2	144,013	1/2	129,521	1/2	115,029	1/2	100,537	1/2	86,045	1/2	71,553	1/2	57,060	1/2	42,568	1/2	28,076	1/2	13,584	1/2		
	3/4	201,589	3/4	187,188	3/4	172,696	3/4	158,204	3/4	143,711	3/4	129,219	3/4	114,727	3/4	100,235	3/4	85,743	3/4	71,251	3/4	56,759	3/4	42,266	3/4	27,774	3/4	13,282	3/4		
6	6	201,289	6	186,886	6	172,394	6	157,902	6	143,410	6	128,917	6	114,425	6	99,933	6	85,441	6	70,949	6	56,457	6	41,964	6	27,472	6	12,980	6		
	1/4	200,990	1/4	186,584	1/4	172,092	1/4	157,600	1/4	143,108	1/4	128,615	1/4	114,123	1/4	99,631	1/4	85,139	1/4	70,647	1/4	56,155	1/4	41,663	1/4	27,170	1/4	12,678	1/4		
	1/2	200,690	1/2	186,282	1/2	171,790	1/2	157,298	1/2	142,806	1/2	128,314	1/2	113,821	1/2	99,329	1/2	84,837	1/2	70,345	1/2	55,853	1/2	41,361	1/2	26,888	1/2	12,376	1/2		
	3/4	200,390	3/4	185,980	3/4	171,488	3/4	156,996	3/4	142,504	3/4	128,012	3/4	113,519	3/4	99,027	3/4	84,535	3/4	70,043	3/4	55,551	3/4	41,059	3/4	26,567	3/4	12,074	3/4		
7	7	200,091	7	185,678	7	171,186	7	156,694	7	142,202	7	127,710	7	113,218	7	98,725	7	84,233	7	69,741	7	55,249	7	40,757	7	26,265	7	11,772	7		
	1/4	199,791	1/4	185,376	1/4	170,884	1/4	156,392	1/4	141,900	1/4	127,408	1/4	112,916	1/4	98,423	1/4	83,931	1/4	69,439	1/4	54,947	1/4	40,455	1/4	25,963	1/4	11,471	1/4		
	1/2	199,492	1/2	185,075	1/2	170,582	1/2	156,090	1/2	141,598	1/2	127,106	1/2	112,614	1/2	98,122	1/2	83,629	1/2	69,137	1/2	54,645	1/2	40,153	1/2	25,661	1/2	11,169	1/2		
	3/4	199,192	3/4	184,773	3/4	170,280	3/4	155,788	3/4	141,296	3/4	126,804	3/4	111,312	3/4	97,820	3/4	83,327	3/4												



# BARGE "HFL-601"

## HINES FURLONG LINE

## OUTAGE TABLE

2 PORT

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

HULL NO. 4597

	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	249,840	0	234,682	0	217,258	0	199,790	0	182,322	0	164,854	0	147,385	0	129,917	0	112,449	0	94,981	0	77,512	0	60,044	0	42,576	0	25,108	0	7,639	
	1/4	249,719	1/4	234,320	1/4	216,895	1/4	199,426	1/4	181,958	1/4	164,490	1/4	147,022	1/4	129,553	1/4	104,617	1/4	94,617	1/4	77,149	1/4	59,680	1/4	42,212	1/4	24,744	1/4	7,275	
	1/2	249,597	1/2	233,959	1/2	216,531	1/2	199,062	1/2	181,594	1/2	164,126	1/2	146,658	1/2	129,189	1/2	111,721	1/2	94,253	1/2	76,785	1/2	59,316	1/2	41,848	1/2	24,380	1/2	6,912	
	3/4	249,423	3/4	233,598	3/4	216,167	3/4	198,698	3/4	181,230	3/4	163,762	3/4	146,294	3/4	128,825	3/4	111,357	3/4	93,889	3/4	76,421	3/4	58,952	3/4	41,484	3/4	24,016	3/4	6,548	
1	1	249,248	1	233,237	1	215,803	1	198,335	1	180,866	1	163,398	1	145,930	1	128,462	1	110,993	1	93,525	1	76,057	1	58,588	1	41,120	1	23,652	1	6,184	
1/4	1/4	249,073	1/4	232,876	1/4	215,439	1/4	197,971	1/4	180,502	1/4	163,034	1/4	145,566	1/4	128,098	1/4	110,629	1/4	93,161	1/4	75,693	1/4	58,225	1/4	40,756	1/4	23,288	1/4	5,820	
1/2	1/2	248,898	1/2	232,515	1/2	215,075	1/2	197,607	1/2	180,138	1/2	162,670	1/2	145,202	1/2	127,734	1/2	110,265	1/2	92,797	1/2	75,329	1/2	57,861	1/2	40,392	1/2	22,924	1/2	5,456	
3/4	3/4	248,669	3/4	232,154	3/4	214,711	3/4	197,243	3/4	179,775	3/4	162,306	3/4	144,838	3/4	127,370	3/4	109,901	3/4	92,433	3/4	74,965	3/4	57,497	3/4	40,028	3/4	22,560	3/4	5,092	
2	2	248,440	2	231,793	2	214,347	2	196,879	2	179,411	2	161,942	2	144,474	2	127,006	2	109,538	2	92,069	2	74,601	2	57,133	2	39,665	2	22,196	2	4,728	
1/4	1/4	248,211	1/4	231,432	1/4	213,983	1/4	196,515	1/4	179,047	1/4	161,578	1/4	144,110	1/4	126,642	1/4	109,174	1/4	91,705	1/4	74,237	1/4	56,769	1/4	39,301	1/4	21,832	1/4	4,364	
1/2	1/2	247,982	1/2	231,071	1/2	213,619	1/2	196,151	1/2	178,683	1/2	161,215	1/2	143,746	1/2	126,278	1/2	108,810	1/2	91,341	1/2	73,873	1/2	56,405	1/2	38,937	1/2	21,468	1/2	4,000	
3/4	3/4	247,699	3/4	230,709	3/4	213,255	3/4	195,787	3/4	178,319	3/4	160,851	3/4	143,382	3/4	125,914	3/4	108,446	3/4	90,978	3/4	73,509	3/4	56,041	3/4	38,573	3/4	21,105	3/4	3,636	
3	3	247,417	3	230,348	3	212,891	3	195,423	3	177,955	3	160,487	3	143,018	3	125,550	3	108,082	3	90,614	3	73,145	3	55,677	3	38,209	3	20,741	3	3,272	
1/4	1/4	247,134	1/4	229,987	1/4	212,528	1/4	195,059	1/4	177,591	1/4	160,123	1/4	142,654	1/4	125,186	1/4	107,718	1/4	90,250	1/4	72,781	1/4	55,313	1/4	37,845	1/4	20,377	1/4	2,908	
1/2	1/2	246,851	1/2	229,626	1/2	212,164	1/2	194,695	1/2	177,227	1/2	142,291	1/2	124,822	1/2	107,354	1/2	89,886	1/2	72,418	1/2	54,949	1/2	37,481	1/2	20,013	1/2	2,545			
3/4	3/4	246,517	3/4	229,265	3/4	211,800	3/4	194,331	3/4	176,863	3/4	159,395	3/4	141,927	3/4	124,458	3/4	106,990	3/4	89,522	3/4	72,054	3/4	54,585	3/4	37,117	3/4	19,649	3/4	2,207	
4	4	246,183	4	228,904	4	211,436	4	193,967	4	176,499	4	159,031	4	141,563	4	124,094	4	106,626	4	89,158	4	71,690	4	54,221	4	36,753	4	19,285	4	1,869	
1/4	1/4	245,849	1/4	228,540	1/4	211,072	1/4	193,604	1/4	176,135	1/4	158,667	1/4	141,199	1/4	123,731	1/4	106,262	1/4	88,794	1/4	71,326	1/4	53,858	1/4	36,389	1/4	18,921	1/4	1,609	
1/2	1/2	245,515	1/2	228,176	1/2	210,708	1/2	193,240	1/2	175,771	1/2	158,303	1/2	140,835	1/2	123,367	1/2	105,898	1/2	88,430	1/2	70,962	1/2	53,494	1/2	36,025	1/2	18,557	1/2	1,350	
3/4	3/4	245,153	3/4	227,812	3/4	210,344	3/4	192,876	3/4	175,407	3/4	157,939	3/4	140,471	3/4	123,003	3/4	105,534	3/4	88,066	3/4	70,598	3/4	53,130	3/4	35,661	3/4	18,193	3/4	* 1,090	
5	5	244,792	5	227,448	5	209,980	5	192,512	5	175,044	5	157,575	5	140,107	5	122,639	5	105,171	5	87,702	5	70,234	5	52,766	5	35,297	5	17,829	5		
1/4	1/4	244,431	1/4	227,084	1/4	209,616	1/4	192,148	1/4	174,680	1/4	157,211	1/4	139,743	1/4	122,275	1/4	104,807	1/4	87,338	1/4	69,870	1/4	52,402	1/4	34,934	1/4	17,465			
1/2	1/2	244,070	1/2	226,720	1/2	209,252	1/2	191,784	1/2	174,316	1/2	156,847	1/2	139,379	1/2	121,911	1/2	104,443	1/2	86,974	1/2	69,506	1/2	52,038	1/2	34,570	1/2	17,101			
3/4	3/4	243,709	3/4	226,357	3/4	208,888	3/4	191,420	3/4	173,952	3/4	156,484	3/4	139,015	3/4	121,547	3/4	104,079	3/4	86,610	3/4	69,142	3/4	51,674	3/4	34,206	3/4	16,737	3/4		
6	6	243,348	6	225,993	6	208,524	6	191,056	6	173,588	6	156,120	6	138,651	6	121,183	6	103,715	6	86,247	6	68,778	6	51,310	6	33,842	6	16,374	6		
1/4	1/4	242,987	1/4	225,629	1/4	208,160	1/4	190,692	1/4	173,224	1/4	155,756	1/4	138,287	1/4	120,819	1/4	103,351	1/4	85,883	1/4	68,414	1/4	33,478	1/4	16,010	1/4				
1/2	1/2	242,626	1/2	225,265	1/2	207,797	1/2	190,328	1/2	172,860	1/2	155,392	1/2	137,923	1/2	120,455	1/2	102,987	1/2	85,519	1/2	68,050	1/2	33,114	1/2	15,646	1/2				
3/4	3/4	242,265	3/4	224,901	3/4	207,433	3/4	189,964	3/4	172,496	3/4	155,028	3/4	137,560	3/4	120,091	3/4	102,623	3/4	85,155	3/4	67,687	3/4	50,218	3/4	32,750	3/4	15,282	3/4		
7	7	241,904	7	224,537	7	207,069	7	189,600	7	172,132	7	154,664	7	137,196	7	119,727	7	102,259	7	84,791	7	67,323	7	49,854	7	32,386	7	14,918	7		
1/4	1/4	241,542	1/4	224,173	1/4	206,705	1/4	189,236	1/4	171,768	1/4	154,300	1/4	136,832	1/4	119,363	1/4	101,895	1/4	84,427	1/4	66,959	1/4	49,490	1/4	32,022	1/4	14,554	1/4		
1/2	1/2	241,181	1/2	223,809	1/2	206,341	1/2	188,873	1/2	171,404	1/2	153,936	1/2	136,468	1/2	119,000	1/2	101,531	1/2	84,063	1/2	66,595	1/2	49,127	1/2	31,658	1/2	14,190	1/2		
3/4	3/4	240,820	3/4	223,445	3/4	205,977	3/4	188,509	3/4	171,040	3/4	153,572	3/4	136,104	3/4	118,636	3/4	101,167	3/4	83,699	3/4	66,231	3/4	48,763	3/4	31,294	3/4	13,826	3/4		
8</td																															


**BARGE "HFL-601"**  
**HINES FURLONG LINE**

## OUTAGE TABLE

**2 STAR**

HULL NO. 4597

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	249,840	0	234,682	0	217,258	0	199,790	0	182,322	0	164,854	0	147,385	0	129,917	0	112,449	0	94,981	0	77,512	0	60,044	0	42,576	0	25,108	0	7,639
1/4		1/4	249,719	1/4	234,320	1/4	216,895	1/4	199,426	1/4	181,958	1/4	164,490	1/4	147,022	1/4	129,553	1/4	112,085	1/4	94,617	1/4	77,149	1/4	59,680	1/4	42,212	1/4	24,744	1/4	7,275
1/2		1/2	249,597	1/2	233,959	1/2	216,531	1/2	199,062	1/2	181,594	1/2	164,126	1/2	146,658	1/2	129,189	1/2	111,721	1/2	94,253	1/2	76,785	1/2	59,316	1/2	41,848	1/2	24,380	1/2	6,912
3/4		3/4	249,423	3/4	233,598	3/4	216,167	3/4	198,698	3/4	181,230	3/4	163,762	3/4	146,294	3/4	128,825	3/4	111,357	3/4	93,889	3/4	76,421	3/4	58,952	3/4	41,484	3/4	24,016	3/4	6,548
1		1	249,248	1	233,237	1	215,803	1	198,335	1	180,866	1	163,398	1	145,930	1	128,462	1	110,993	1	93,525	1	76,057	1	58,588	1	41,120	1	23,652	1	6,184
1/4		1/4	249,073	1/4	232,876	1/4	215,439	1/4	197,971	1/4	180,502	1/4	163,034	1/4	145,566	1/4	128,098	1/4	110,629	1/4	93,161	1/4	75,693	1/4	58,225	1/4	40,756	1/4	23,288	1/4	5,820
1/2		1/2	248,898	1/2	232,515	1/2	215,075	1/2	197,607	1/2	180,138	1/2	162,670	1/2	145,202	1/2	127,734	1/2	110,265	1/2	92,797	1/2	75,329	1/2	57,861	1/2	40,392	1/2	22,924	1/2	5,456
3/4		3/4	248,669	3/4	232,154	3/4	214,711	3/4	197,243	3/4	179,775	3/4	162,306	3/4	144,838	3/4	127,370	3/4	109,901	3/4	92,433	3/4	74,965	3/4	57,497	3/4	40,028	3/4	22,560	3/4	5,092
2		2	248,440	2	231,793	2	214,347	2	196,879	2	179,411	2	161,942	2	144,474	2	127,006	2	109,538	2	92,069	2	74,601	2	57,133	2	39,665	2	22,196	2	4,728
1/4		1/4	248,211	1/4	231,432	1/4	213,983	1/4	196,515	1/4	179,047	1/4	161,578	1/4	144,110	1/4	126,642	1/4	109,174	1/4	91,705	1/4	74,237	1/4	56,769	1/4	39,301	1/4	21,832	1/4	4,364
1/2		1/2	247,982	1/2	231,071	1/2	213,619	1/2	196,151	1/2	178,683	1/2	161,215	1/2	143,746	1/2	126,278	1/2	108,810	1/2	91,341	1/2	73,873	1/2	56,405	1/2	38,937	1/2	21,468	1/2	4,000
3/4		3/4	247,699	3/4	230,709	3/4	213,255	3/4	195,787	3/4	178,319	3/4	160,851	3/4	143,382	3/4	125,914	3/4	108,446	3/4	90,978	3/4	73,509	3/4	56,041	3/4	38,573	3/4	21,105	3/4	3,636
3		3	247,417	3	230,348	3	212,891	3	195,423	3	177,955	3	160,487	3	143,018	3	125,550	3	108,082	3	90,614	3	73,145	3	55,677	3	38,209	3	20,741	3	3,272
1/4		1/4	247,134	1/4	229,987	1/4	228,528	1/4	195,059	1/4	177,591	1/4	160,123	1/4	142,654	1/4	125,186	1/4	107,718	1/4	90,250	1/4	72,781	1/4	55,313	1/4	37,845	1/4	20,377	1/4	2,908
1/2		1/2	246,851	1/2	229,626	1/2	212,164	1/2	194,695	1/2	177,227	1/2	159,759	1/2	142,291	1/2	124,822	1/2	107,354	1/2	89,886	1/2	72,418	1/2	54,949	1/2	37,481	1/2	20,013	1/2	2,545
3/4		3/4	246,517	3/4	229,265	3/4	211,800	3/4	194,331	3/4	176,863	3/4	159,395	3/4	141,927	3/4	124,458	3/4	106,990	3/4	89,522	3/4	72,054	3/4	54,585	3/4	37,117	3/4	19,649	3/4	2,207
4		4	246,183	4	228,904	4	211,436	4	193,967	4	176,499	4	159,031	4	141,563	4	124,094	4	106,626	4	89,158	4	71,690	4	54,221	4	36,753	4	19,285	4	1,869
1/4		1/4	245,849	1/4	228,540	1/4	210,072	1/4	193,604	1/4	176,135	1/4	158,667	1/4	141,199	1/4	123,731	1/4	106,262	1/4	88,794	1/4	71,326	1/4	53,858	1/4	36,389	1/4	18,921	1/4	1,609
1/2		1/2	245,515	1/2	228,176	1/2	210,708	1/2	193,240	1/2	175,771	1/2	158,303	1/2	140,835	1/2	123,367	1/2	105,898	1/2	88,430	1/2	70,962	1/2	53,494	1/2	36,025	1/2	18,557	1/2	1,350
3/4		3/4	245,153	3/4	227,812	3/4	201,344	3/4	182,876	3/4	175,407	3/4	157,939	3/4	140,471	3/4	123,003	3/4	105,534	3/4	88,066	3/4	70,598	3/4	53,130	3/4	35,661	3/4	18,193	3/4	* 1,090
5		5	244,792	5	227,448	5	209,980	5	192,512	5	175,044	5	157,575	5	140,107	5	122,639	5	105,171	5	87,702	5	70,234	5	52,766	5	35,297	5	17,829	5	
1/4		1/4	244,431	1/4	227,084	1/4	209,616	1/4	192,148	1/4	174,680	1/4	157,211	1/4	139,743	1/4	122,275	1/4	104,807	1/4	87,338	1/4	69,870	1/4	52,402	1/4	34,934	1/4	17,465	1/4	
1/2		1/2	244,070	1/2	226,720	1/2	209,252	1/2	191,784	1/2	174,316	1/2	156,847	1/2	139,379	1/2	121,911	1/2	104,443	1/2	86,974	1/2	69,506	1/2	52,038	1/2	34,570	1/2	17,101	1/2	
3/4		3/4	243,709	3/4	226,357	3/4	208,888	3/4	191,420	3/4	173,952	3/4	156,484	3/4	139,015	3/4	121,547	3/4	104,079	3/4	86,610	3/4	69,142	3/4	51,674	3/4	34,206	3/4	16,737	3/4	
6		6	243,348	6	225,993	6	208,524	6	191,056	6	173,588	6	156,120	6	138,651	6	121,183	6	103,715	6	86,247	6	68,778	6	51,310	6	33,842	6	16,374	6	
1/4		1/4	242,987	1/4	225,629	1/4	208,160	1/4	190,692	1/4	173,224	1/4	155,756	1/4	138,287	1/4	120,819	1/4	103,351	1/4	85,883	1/4	68,414	1/4	50,946	1/4	33,478	1/4	16,010	1/4	
1/2		1/2	242,626	1/2	225,265	1/2	207,797	1/2	190,328	1/2	172,860	1/2	155,392	1/2	137,923	1/2	120,455	1/2	102,987	1/2	85,519	1/2	68,050	1/2	50,582	1/2	33,114	1/2	15,646	1/2	
3/4		3/4	242,265	3/4	224,901	3/4	207,433	3/4	189,964	3/4	172,496	3/4	155,028	3/4	137,560	3/4	120,091	3/4	102,623	3/4	85,155	3/4	67,687	3/4	50,218	3/4	32,750	3/4	15,282	3/4	
7		7	241,904	7	224,537	7	207,069	7	189,600	7	172,132	7	154,664	7	137,196	7	119,727	7	102,259	7	84,791	7	67,323	7	49,854	7	32,386	7	14,918	7	
1/4		1/4	241,542	1/4	224,173	1/4	206,705	1/4	189,236	1/4	171,768	1/4	154,300	1/4	136,832	1/4	119,363	1/4	101,895	1/4	84,427	1/4	66,959	1/4	49,490	1/4	32,022	1/4	14,554	1/4	
1/2		1/2	241,181	1/2	223,809	1/2	206,341	1/2	188,873	1/2	171,404	1/2	153,936	1/2	136,468	1/2	119,000	1/2	101,531	1/2	84,063	1/2	66,595	1/2	49,127	1/2	31,658	1/2	14,190	1/2	
3/4		3/4	240,820	3/4	223,445	3/4	205,977	3/4	188,509																						



**BARGE "HFL-601"  
HINES FURLONG LINE**

## OUTAGE TABLE

**3 PORT**

HULL NO. 4597

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

STRIPPED: 12/17/07

\* CAPACITY BELOW STRIKE POINT

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

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

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INSPECTORATE AMERICA CORPORATION



# BARGE "HFL-601"

## HINES FURLONG LINE

### OUTAGE TABLE

### 3 STAR

**HULL NO. 4597**
**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	227,879	0	216,752	0	204,013	0	191,273	0	178,534	0	164,193	0	146,795	0	129,397	0	111,999	0	94,601	0	77,203	0	59,805	0	42,407	0	25,010	0	7,612
1/4		1/4	227,791	1/4	216,487	1/4	203,747	1/4	191,008	1/4	178,268	1/4	163,831	1/4	146,433	1/4	129,035	1/4	111,637	1/4	94,239	1/4	76,841	1/4	59,443	1/4	42,045	1/4	24,647	1/4	7,249
1/2		1/2	227,703	1/2	216,221	1/2	203,482	1/2	190,742	1/2	178,003	1/2	163,468	1/2	146,070	1/2	128,672	1/2	111,274	1/2	93,876	1/2	76,478	1/2	59,080	1/2	41,683	1/2	24,285	1/2	6,887
3/4		3/4	227,575	3/4	215,956	3/4	203,216	3/4	190,477	3/4	177,738	3/4	163,106	3/4	145,708	3/4	128,310	3/4	110,912	3/4	93,514	3/4	76,116	3/4	58,718	3/4	41,320	3/4	23,922	3/4	6,524
1		1	227,447	1	215,691	1	202,951	1	190,212	1	177,472	1	162,743	1	145,345	1	127,947	1	110,549	1	93,151	1	75,754	1	58,356	1	40,958	1	23,560	1	6,162
1/4		1/4	227,319	1/4	215,425	1/4	202,686	1/4	189,946	1/4	177,207	1/4	162,381	1/4	144,983	1/4	127,585	1/4	110,187	1/4	92,789	1/4	75,391	1/4	57,993	1/4	40,595	1/4	23,197	1/4	5,799
1/2		1/2	227,191	1/2	215,160	1/2	202,420	1/2	189,681	1/2	176,941	1/2	162,018	1/2	144,620	1/2	127,222	1/2	109,824	1/2	92,427	1/2	75,029	1/2	57,631	1/2	40,233	1/2	22,835	1/2	5,437
3/4		3/4	227,024	3/4	214,894	3/4	202,155	3/4	189,415	3/4	176,676	3/4	161,656	3/4	144,258	3/4	126,860	3/4	109,462	3/4	92,064	3/4	74,666	3/4	57,268	3/4	39,870	3/4	22,472	3/4	5,074
2		2	226,857	2	214,629	2	201,889	2	189,150	2	176,411	2	161,293	2	143,895	2	126,497	2	109,100	2	91,702	2	74,304	2	56,906	2	39,508	2	22,110	2	4,712
1/4		1/4	226,690	1/4	214,364	1/4	201,624	1/4	188,885	1/4	176,145	1/4	160,931	1/4	143,533	1/4	126,135	1/4	108,737	1/4	91,339	1/4	73,941	1/4	56,543	1/4	39,145	1/4	21,747	1/4	4,349
1/2		1/2	226,523	1/2	214,098	1/2	201,359	1/2	188,619	1/2	175,880	1/2	160,568	1/2	143,171	1/2	125,773	1/2	108,375	1/2	90,977	1/2	73,579	1/2	56,181	1/2	38,783	1/2	21,385	1/2	3,987
3/4		3/4	226,317	3/4	213,833	3/4	201,093	3/4	188,354	3/4	175,614	3/4	160,206	3/4	142,808	3/4	125,410	3/4	108,012	3/4	90,614	3/4	73,216	3/4	55,818	3/4	38,420	3/4	21,023	3/4	3,625
3		3	226,110	3	213,567	3	200,828	3	188,088	3	175,349	3	159,844	3	142,446	3	125,048	3	107,650	3	90,252	3	72,854	3	55,456	3	38,058	3	20,660	3	3,262
1/4		1/4	225,904	1/4	213,302	1/4	200,562	1/4	187,823	1/4	175,084	1/4	159,481	1/4	142,083	1/4	124,685	1/4	107,287	1/4	89,889	1/4	72,491	1/4	55,093	1/4	37,696	1/4	20,298	1/4	2,900
1/2		1/2	225,697	1/2	213,036	1/2	200,297	1/2	187,558	1/2	174,818	1/2	159,119	1/2	141,721	1/2	124,323	1/2	106,925	1/2	89,527	1/2	72,129	1/2	54,731	1/2	37,333	1/2	19,935	1/2	2,537
3/4		3/4	225,452	3/4	212,771	3/4	200,032	3/4	187,292	3/4	174,553	3/4	154,358	3/4	123,960	3/4	106,562	3/4	89,164	3/4	71,766	3/4	54,369	3/4	36,971	3/4	19,573	3/4	2,201		
4		4	226,206	4	212,506	4	199,766	4	187,027	4	174,287	4	158,394	4	140,996	4	123,598	4	106,200	4	88,802	4	71,404	4	54,006	4	36,608	4	19,210	4	1,864
1/4		1/4	224,960	1/4	212,240	1/4	199,501	1/4	186,761	1/4	174,022	1/4	158,031	1/4	140,633	1/4	123,235	1/4	105,837	1/4	88,440	1/4	71,042	1/4	53,644	1/4	36,246	1/4	18,848	1/4	1,605
1/2		1/2	224,714	1/2	211,975	1/2	199,235	1/2	186,496	1/2	173,757	1/2	157,669	1/2	140,271	1/2	122,873	1/2	105,475	1/2	88,077	1/2	70,679	1/2	53,281	1/2	35,883	1/2	18,485	1/2	1,346
3/4		3/4	224,449	3/4	211,709	3/4	198,970	3/4	186,231	3/4	173,486	3/4	157,306	3/4	139,908	3/4	122,510	3/4	105,113	3/4	87,715	3/4	70,317	3/4	52,919	3/4	35,521	3/4	18,123	3/4	* 1,087
5		5	224,183	5	211,444	5	198,705	5	185,965	5	173,215	5	156,944	5	139,546	5	122,148	5	104,750	5	87,352	5	69,954	5	52,556	5	35,158	5	17,760		
1/4		1/4	223,918	1/4	211,179	1/4	198,439	1/4	185,700	1/4	172,944	1/4	156,581	1/4	139,183	1/4	121,786	1/4	104,388	1/4	86,990	1/4	69,592	1/4	52,194	1/4	34,796	1/4	17,398		
1/2		1/2	223,653	1/2	210,913	1/2	198,174	1/2	185,434	1/2	172,661	1/2	156,219	1/2	138,821	1/2	121,423	1/2	104,025	1/2	86,627	1/2	66,229	1/2	51,831	1/2	34,433	1/2	17,035		
3/4		3/4	223,387	3/4	210,648	3/4	197,908	3/4	185,169	3/4	172,377	3/4	156,857	3/4	131,061	3/4	103,663	3/4	86,265	3/4	68,867	3/4	51,469	3/4	34,071	3/4	16,673				
6		6	223,122	6	210,382	6	197,643	6	184,904	6	172,094	6	155,494	6	138,096	6	120,698	6	103,300	6	85,902	6	68,504	6	51,106	6	33,709	6	16,311		
1/4		1/4	222,856	1/4	210,117	1/4	197,378	1/4	184,638	1/4	171,811	1/4	155,132	1/4	137,734	1/4	120,336	1/4	102,938	1/4	85,540	1/4	78,142	1/4	50,744	1/4	33,346	1/4	15,948		
1/2		1/2	222,591	1/2	209,852	1/2	197,112	1/2	184,373	1/2	171,513	1/2	154,769	1/2	137,371	1/2	119,973	1/2	102,575	1/2	85,177	1/2	67,779	1/2	50,382	1/2	32,984	1/2	15,586		
3/4		3/4	222,326	3/4	209,586	3/4	196,847	3/4	184,107	3/4	171,215	3/4	154,407	3/4	137,009	3/4	119,611	3/4	102,213	3/4	84,815	3/4	67,417	3/4	50,019	3/4	32,621	3/4	15,223		
7		7	222,060	7	209,321	7	196,581	7	183,842	7	170,917	7	154,044	7	136,646	7	119,248	7	101,850	7	84,452	7	67,055	7	49,657	7	32,259	7	14,861		
1/4		1/4	221,795	1/4	209,055	1/4	196,316	1/4	183,577	1/4	170,620	1/4	153,682	1/4	136,284	1/4	118,886	1/4	101,488	1/4	84,090	1/4	66,692	1/4	49,294	1/4	31,896	1/4	14,498		
1/2		1/2	221,529	1/2	208,790	1/2	196,051	1/2	183,311	1/2	170,307	1/2	153,319	1/2	135,921	1/2	118,523	1/2	101,126	1/2	83,728	1/2	66,330	1/2	48,932	1/2	31,534	1/2	14,136		
3/4</																															



# BARGE "HFL-601"

## HINES FURLONG LINE

INNAGE TABLE

**1 PORT**

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

HULL NO. 4597

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	* 904	0	15,094	0	29,586	0	44,078	0	58,570	0	73,062	0	87,554	0	102,047	0	116,539	0	131,031	0	145,523	0	160,015	0	174,507	0	188,999	0	203,386
1/4	1,120	1/4	15,395	1/4	29,888	1/4	44,380	1/4	58,872	1/4	73,364	1/4	87,856	1/4	102,348	1/4	116,841	1/4	131,333	1/4	145,825	1/4	160,317	1/4	174,809	1/4	189,301	1/4	203,686
1/2	1,335	1/2	15,697	1/2	30,190	1/2	44,682	1/2	59,174	1/2	73,666	1/2	86,158	1/2	102,650	1/2	117,143	1/2	131,635	1/2	146,127	1/2	160,619	1/2	175,111	1/2	189,603	1/2	203,963
3/4	1,551	3/4	15,999	3/4	30,491	3/4	44,984	3/4	59,476	3/4	73,968	3/4	88,460	3/4	102,952	3/4	117,444	3/4	131,937	3/4	146,429	3/4	160,921	3/4	175,413	3/4	189,905	3/4	204,240
1	1,831	1	16,301	1	30,793	1	45,286	1	59,778	1	74,270	1	88,762	1	103,254	1	117,746	1	132,239	1	146,731	1	161,223	1	175,715	1	190,205	1	204,517
1/4	2,111	1/4	16,603	1/4	31,095	1/4	45,587	1/4	60,080	1/4	74,572	1/4	89,064	1/4	103,556	1/4	118,048	1/4	132,540	1/4	147,033	1/4	161,525	1/4	176,017	1/4	190,504	1/4	204,795
1/2	2,413	1/2	16,905	1/2	31,397	1/2	45,889	1/2	60,382	1/2	74,874	1/2	89,366	1/2	103,858	1/2	118,350	1/2	132,842	1/2	147,335	1/2	161,827	1/2	176,319	1/2	190,804	1/2	205,029
3/4	2,715	3/4	17,207	3/4	31,699	3/4	46,191	3/4	60,683	3/4	75,176	3/4	89,668	3/4	104,160	3/4	118,652	3/4	133,144	3/4	147,636	3/4	162,129	3/4	176,621	3/4	191,104	3/4	205,264
2	3,017	2	17,509	2	32,001	2	46,493	2	60,985	2	75,478	2	89,970	2	104,462	2	118,954	2	133,446	2	147,938	2	162,431	2	176,923	2	191,403	2	205,498
1/4	3,319	1/4	17,811	1/4	32,303	1/4	46,795	1/4	61,287	1/4	75,779	1/4	90,272	1/4	104,764	1/4	119,256	1/4	133,748	1/4	148,240	1/4	162,732	1/4	177,225	1/4	191,703	1/4	205,733
1/2	3,621	1/2	18,113	1/2	32,605	1/2	47,097	1/2	61,589	1/2	76,081	1/2	90,574	1/2	105,066	1/2	119,558	1/2	134,050	1/2	148,542	1/2	163,034	1/2	177,527	1/2	192,002	1/2	205,923
3/4	3,923	3/4	18,415	3/4	32,907	3/4	47,399	3/4	61,891	3/4	76,383	3/4	90,875	3/4	105,368	3/4	119,860	3/4	134,352	3/4	148,844	3/4	163,336	3/4	177,828	3/4	192,302	3/4	206,113
3	4,224	3	18,717	3	33,209	3	47,701	3	62,193	3	76,685	3	91,177	3	105,670	3	120,162	3	134,654	3	149,146	3	163,638	3	178,130	3	192,601	3	206,303
1/4	4,526	1/4	19,019	1/4	33,511	1/4	48,003	1/4	62,495	1/4	76,987	1/4	91,479	1/4	105,971	1/4	120,464	1/4	134,956	1/4	149,448	1/4	163,940	1/4	178,432	1/4	192,901	1/4	206,492
1/2	4,828	1/2	19,320	1/2	33,813	1/2	48,305	1/2	62,797	1/2	77,289	1/2	91,781	1/2	106,273	1/2	120,766	1/2	135,258	1/2	149,750	1/2	164,242	1/2	178,734	1/2	193,201	1/2	206,638
3/4	5,130	3/4	19,622	3/4	34,115	3/4	48,607	3/4	63,099	3/4	77,591	3/4	92,083	3/4	106,575	3/4	121,067	3/4	135,560	3/4	150,052	3/4	164,544	3/4	179,036	3/4	193,500	3/4	206,783
4	5,432	4	19,924	4	34,416	4	48,909	4	63,401	4	77,893	4	92,385	4	106,877	4	121,369	4	135,862	4	150,354	4	164,846	4	179,338	4	193,800	4	206,928
1/4	5,734	1/4	20,226	1/4	34,718	1/4	49,211	1/4	63,703	1/4	78,195	1/4	92,687	1/4	107,179	1/4	121,671	1/4	136,163	1/4	150,656	1/4	165,148	1/4	179,640	1/4	194,099	1/4	207,073
1/2	6,036	1/2	20,528	1/2	35,020	1/2	49,512	1/2	64,005	1/2	78,497	1/2	92,989	1/2	107,481	1/2	121,973	1/2	136,465	1/2	150,958	1/2	165,450	1/2	179,942	1/2	194,399	1/2	207,174
3/4	6,338	3/4	20,830	3/4	35,322	3/4	49,814	3/4	64,307	3/4	78,799	3/4	93,291	3/4	107,783	3/4	122,275	3/4	136,767	3/4	151,259	3/4	165,752	3/4	180,244	3/4	194,698	3/4	207,274
5	6,640	5	21,132	5	35,624	5	50,116	5	64,608	5	79,101	5	93,593	5	108,085	5	122,577	5	137,069	5	151,561	5	166,054	5	180,546	5	194,998	5	207,374
1/4	6,942	1/4	21,434	1/4	35,926	1/4	50,418	1/4	64,910	1/4	79,403	1/4	93,895	1/4	108,387	1/4	122,879	1/4	137,371	1/4	151,863	1/4	166,355	1/4	180,848	1/4	195,298	1/4	207,475
1/2	7,244	1/2	21,736	1/2	36,228	1/2	50,720	1/2	65,212	1/2	79,704	1/2	94,197	1/2	108,689	1/2	123,181	1/2	137,673	1/2	152,165	1/2	166,657	1/2	181,150	1/2	195,597	1/2	207,531
3/4	7,546	3/4	22,038	3/4	36,530	3/4	51,022	3/4	65,514	3/4	80,006	3/4	94,499	3/4	108,991	3/4	123,483	3/4	137,975	3/4	152,467	3/4	166,959	3/4	181,451	3/4	195,897	3/4	207,586
6	7,847	6	22,340	6	36,832	6	51,324	6	65,816	6	80,308	6	94,800	6	109,293	6	123,785	6	138,277	6	152,769	6	167,261	6	181,753	6	196,196	6	207,642
1/4	8,149	1/4	22,642	1/4	37,134	1/4	51,626	1/4	66,118	1/4	80,610	1/4	95,102	1/4	109,959	1/4	124,087	1/4	138,579	1/4	153,071	1/4	167,563	1/4	182,055	1/4	196,496	1/4	207,698
1/2	8,451	1/2	22,943	1/2	37,436	1/2	51,928	1/2	66,420	1/2	80,912	1/2	95,404	1/2	109,896	1/2	124,389	1/2	138,881	1/2	153,373	1/2	167,865	1/2	182,357	1/2	196,796	1/2	207,714
3/4	8,753	3/4	23,245	3/4	37,738	3/4	52,230	3/4	66,722	3/4	81,214	3/4	95,706	3/4	110,198	3/4	124,691	3/4	139,183	3/4	153,675	3/4	168,167	3/4	182,659	3/4	197,095	3/4	207,731
7	9,055	7	23,547	7	38,039	7	52,532	7	67,024	7	81,516	7	96,008	7	110,500	7	124,992	7	139,485	7	153,977	7	168,469	7	182,961	7	197,395	7	207,748
1/4	9,357	1/4	23,849	1/4	38,341	1/4	52,834	1/4	67,326	1/4	81,818	1/4	96,310	1/4	110,802	1/4	125,294	1/4	139,787	1/4	154,279	1/4	168,771	1/4	183,263	1/4	197,694	1/4	207,748
1/2	9,659	1/2	24,151	1/2	38,643	1/2	53,135	1/2	67,628	1/2	82,120	1/2	96,612	1/2	111,104	1/2	125,596	1/2	140,088	1/2	154,581	1/2	169,073	1/2	183,565	1/2	197,994	1/2	207,748
3/4	9,961	3/4	24,453	3/4	38,945	3/4	53,437	3/4	67,930	3/4	82,422	3/4	96,914	3/4	111,406	3/4	125,898	3/4	140,390	3/4	154,883	3/4	169,375	3/4	183,867	3/4	198,293	3/4	207,748
8	10,263	8	24,755	8	39,247	8	53,739	8	68,231	8	82,724	8	97,216	8	111,708	8	126,200	8	1										



# BARGE "HFL-601"

## HINES FURLONG LINE

## INNAGE TABLE

1 STAR

HULL NO. 4597

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	* 904	0	15,094	0	29,586	0	44,078	0	58,570	0	73,062	0	87,554	0	102,047	0	116,539	0	131,031	0	145,523	0	160,015	0	174,507	0	188,999	0	203,386
1/4	1,120	1/4	15,395	1/4	29,888	1/4	44,380	1/4	58,872	1/4	73,364	1/4	87,856	1/4	102,348	1/4	116,841	1/4	131,333	1/4	145,825	1/4	160,317	1/4	174,809	1/4	189,301	1/4	203,686
1/2	1,335	1/2	15,697	1/2	30,190	1/2	44,682	1/2	59,174	1/2	73,666	1/2	88,158	1/2	102,650	1/2	117,143	1/2	131,635	1/2	146,127	1/2	160,619	1/2	175,111	1/2	189,603	1/2	203,963
3/4	1,551	3/4	15,999	3/4	30,491	3/4	44,984	3/4	59,476	3/4	73,968	3/4	88,460	3/4	102,952	3/4	117,444	3/4	131,937	3/4	146,429	3/4	160,921	3/4	175,413	3/4	189,905	3/4	204,240
1	1,831	1	16,301	1	30,793	1	45,286	1	59,778	1	74,270	1	88,762	1	103,254	1	117,746	1	132,239	1	146,731	1	161,223	1	175,715	1	190,205	1	204,517
1/4	2,111	1/4	16,603	1/4	31,095	1/4	45,587	1/4	60,080	1/4	74,572	1/4	89,064	1/4	103,556	1/4	118,048	1/4	132,540	1/4	147,033	1/4	161,525	1/4	176,017	1/4	190,504	1/4	204,795
1/2	2,413	1/2	16,905	1/2	31,397	1/2	45,889	1/2	60,382	1/2	74,874	1/2	89,366	1/2	103,858	1/2	118,350	1/2	132,842	1/2	147,335	1/2	161,827	1/2	176,319	1/2	190,804	1/2	205,029
3/4	2,715	3/4	17,207	3/4	31,699	3/4	46,191	3/4	60,683	3/4	75,176	3/4	89,668	3/4	104,160	3/4	118,652	3/4	133,144	3/4	147,636	3/4	162,129	3/4	176,621	3/4	191,104	3/4	205,264
2	3,017	2	17,509	2	32,001	2	46,493	2	60,985	2	75,478	2	89,970	2	104,462	2	118,954	2	133,446	2	147,938	2	162,431	2	176,923	2	191,403	2	205,498
1/4	3,319	1/4	17,811	1/4	32,303	1/4	46,795	1/4	61,287	1/4	75,779	1/4	90,272	1/4	104,764	1/4	119,256	1/4	133,748	1/4	148,240	1/4	162,732	1/4	177,225	1/4	191,703	1/4	205,733
1/2	3,621	1/2	18,113	1/2	32,605	1/2	47,097	1/2	61,589	1/2	76,081	1/2	90,574	1/2	105,066	1/2	119,558	1/2	134,050	1/2	148,542	1/2	163,034	1/2	177,527	1/2	192,002	1/2	205,923
3/4	3,923	3/4	18,415	3/4	32,907	3/4	47,399	3/4	61,891	3/4	76,383	3/4	90,875	3/4	105,368	3/4	119,860	3/4	134,352	3/4	148,844	3/4	163,336	3/4	177,828	3/4	192,302	3/4	206,113
3	4,224	3	18,717	3	33,209	3	47,701	3	62,193	3	76,685	3	91,177	3	105,670	3	120,162	3	134,654	3	149,146	3	163,638	3	178,130	3	192,601	3	206,303
1/4	4,526	1/4	19,019	1/4	33,511	1/4	48,003	1/4	62,495	1/4	76,987	1/4	91,479	1/4	105,971	1/4	120,464	1/4	134,956	1/4	149,448	1/4	163,940	1/4	178,432	1/4	192,901	1/4	206,492
1/2	4,828	1/2	19,320	1/2	33,813	1/2	48,305	1/2	62,797	1/2	77,289	1/2	91,781	1/2	106,273	1/2	120,766	1/2	135,258	1/2	149,750	1/2	164,242	1/2	178,734	1/2	193,201	1/2	206,638
3/4	5,130	3/4	19,622	3/4	34,115	3/4	48,607	3/4	63,099	3/4	77,591	3/4	92,083	3/4	106,575	3/4	121,067	3/4	135,560	3/4	150,052	3/4	164,544	3/4	179,036	3/4	193,500	3/4	206,783
4	5,432	4	19,924	4	34,416	4	48,909	4	63,401	4	77,893	4	92,385	4	106,877	4	121,369	4	135,862	4	150,354	4	164,846	4	179,338	4	193,800	4	206,928
1/4	5,734	1/4	20,226	1/4	34,718	1/4	49,211	1/4	63,703	1/4	78,195	1/4	92,687	1/4	107,179	1/4	121,671	1/4	136,163	1/4	150,656	1/4	165,148	1/4	179,640	1/4	194,099	1/4	207,073
1/2	6,036	1/2	20,528	1/2	35,020	1/2	49,512	1/2	64,005	1/2	78,497	1/2	92,989	1/2	107,481	1/2	121,973	1/2	136,465	1/2	150,958	1/2	165,450	1/2	179,942	1/2	194,399	1/2	207,174
3/4	6,338	3/4	20,830	3/4	35,322	3/4	49,814	3/4	64,307	3/4	78,799	3/4	93,291	3/4	107,783	3/4	122,275	3/4	136,767	3/4	151,259	3/4	165,752	3/4	180,244	3/4	194,698	3/4	207,274
5	6,640	5	21,132	5	35,624	5	50,116	5	64,608	5	79,101	5	93,593	5	108,085	5	122,577	5	137,069	5	151,561	5	166,054	5	180,546	5	194,998	5	207,374
1/4	6,942	1/4	21,434	1/4	35,926	1/4	50,418	1/4	64,910	1/4	79,403	1/4	93,895	1/4	108,387	1/4	122,879	1/4	137,371	1/4	151,863	1/4	166,355	1/4	180,848	1/4	195,298	1/4	207,475
1/2	7,244	1/2	21,736	1/2	36,228	1/2	50,720	1/2	65,212	1/2	79,704	1/2	94,197	1/2	108,689	1/2	123,181	1/2	137,673	1/2	152,165	1/2	166,657	1/2	181,150	1/2	195,597	1/2	207,531
3/4	7,546	3/4	22,038	3/4	36,530	3/4	51,022	3/4	65,514	3/4	80,006	3/4	94,499	3/4	108,991	3/4	123,483	3/4	137,975	3/4	152,467	3/4	166,959	3/4	181,451	3/4	195,897	3/4	207,586
6	7,847	6	22,340	6	36,832	6	51,324	6	65,816	6	80,308	6	94,800	6	109,293	6	123,785	6	138,277	6	152,769	6	167,261	6	181,753	6	196,196	6	207,642
1/4	8,149	1/4	22,642	1/4	37,134	1/4	51,626	1/4	66,118	1/4	80,610	1/4	95,102	1/4	109,595	1/4	124,087	1/4	138,579	1/4	153,071	1/4	167,563	1/4	182,055	1/4	196,496	1/4	207,698
1/2	8,451	1/2	22,943	1/2	37,436	1/2	51,928	1/2	66,420	1/2	80,912	1/2	95,404	1/2	109,896	1/2	124,389	1/2	138,881	1/2	153,373	1/2	167,865	1/2	182,357	1/2	196,796	1/2	207,714
3/4	8,753	3/4	23,245	3/4	37,738	3/4	52,230	3/4	66,722	3/4	81,214	3/4	95,706	3/4	110,198	3/4	124,691	3/4	139,183	3/4	153,675	3/4	168,167	3/4	182,659	3/4	197,095	3/4	207,731
7	9,055	7	23,547	7	38,039	7	52,532	7	67,024	7	81,516	7	96,008	7	110,500	7	124,992	7	139,485	7	153,977	7	168,469	7	182,961	7	197,395	7	207,748
1/4	9,357	1/4	23,849	1/4	38,341	1/4	52,834	1/4	67,326	1/4	81,818	1/4	96,310	1/4	110,802	1/4	125,294	1/4	139,787	1/4	154,279	1/4	168,771	1/4	183,263	1/4	197,694	1/4	207,445
1/2	9,669	1/2	24,151	1/2	38,643	1/2	53,135	1/2	67,628	1/2	82,120	1/2	96,612	1/2	111,104	1/2	125,596	1/2	140,088	1/2	154,581	1/2	169,073	1/2	183,565	1/2	197,994	1/2	207,586
3/4	9,961	3/4	24,453	3/4	38,945	3/4	53,437	3/4	67,930	3/4	82,422	3/4	96,914	3/4	111,406	3/4	125,898	3/4	140,390	3/4	154,883	3/4	169,375	3/4	183,867	3/4	198,293	3/4	207,586
8	10,263	8	24,755	8	39,247	8	53,739	8	68,231	8	82,724	8	97,216	8	111,708	8	126,20												



# BARGE "HFL-601"

## HINES FURLONG LINE

## INNAGE TABLE

2 PORT

HULL NO. 4597

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	* 1,090	0	18,193	0	35,661	0	53,130	0	70,598	0	88,066	0	105,534	0	123,003	0	140,471	0	157,939	0	175,407	0	192,876	0	210,344	0	227,812	0	245,153
1/4	1,350	1/4	18,557	1/4	36,025	1/4	53,494	1/4	70,962	1/4	88,430	1/4	105,898	1/4	123,367	1/4	140,835	1/4	158,303	1/4	175,771	1/4	193,240	1/4	210,708	1/4	228,176	1/4	245,514
1/2	1,609	1/2	18,921	1/2	36,389	1/2	53,858	1/2	71,326	1/2	88,794	1/2	106,262	1/2	123,731	1/2	141,199	1/2	158,667	1/2	176,135	1/2	193,604	1/2	211,072	1/2	228,540	1/2	245,849
3/4	1,869	3/4	19,285	3/4	36,753	3/4	54,221	3/4	71,690	3/4	89,158	3/4	106,626	3/4	124,094	3/4	141,563	3/4	159,031	3/4	176,499	3/4	193,967	3/4	211,436	3/4	228,904	3/4	246,183
1	2,207	1	19,649	1	37,117	1	54,585	1	72,054	1	89,522	1	106,990	1	124,458	1	141,927	1	159,395	1	176,863	1	194,331	1	211,800	1	229,265	1	246,517
1/4	2,545	1/4	20,013	1/4	37,481	1/4	54,949	1/4	72,418	1/4	89,886	1/4	107,354	1/4	124,822	1/4	142,291	1/4	159,759	1/4	177,227	1/4	194,695	1/4	212,164	1/4	229,626	1/4	246,851
1/2	2,908	1/2	20,377	1/2	37,845	1/2	55,313	1/2	72,781	1/2	90,250	1/2	107,718	1/2	125,186	1/2	142,654	1/2	160,123	1/2	177,591	1/2	195,059	1/2	212,528	1/2	229,987	1/2	247,134
3/4	3,272	3/4	20,741	3/4	38,209	3/4	55,677	3/4	73,145	3/4	90,614	3/4	108,082	3/4	125,550	3/4	143,018	3/4	160,487	3/4	177,955	3/4	195,423	3/4	212,891	3/4	230,348	3/4	247,417
2	3,636	2	21,105	2	38,573	2	56,041	2	73,509	2	90,978	2	108,446	2	125,914	2	143,382	2	160,851	2	178,319	2	195,787	2	213,255	2	230,709	2	247,699
1/4	4,000	1/4	21,468	1/4	38,937	1/4	56,405	1/4	73,873	1/4	91,341	1/4	108,810	1/4	126,278	1/4	143,746	1/4	161,215	1/4	178,683	1/4	196,151	1/4	213,619	1/4	231,071	1/4	247,982
1/2	4,364	1/2	21,832	1/2	39,301	1/2	56,769	1/2	74,237	1/2	91,705	1/2	109,174	1/2	126,642	1/2	144,110	1/2	161,578	1/2	179,047	1/2	196,515	1/2	213,983	1/2	231,432	1/2	248,211
3/4	4,728	3/4	22,196	3/4	39,665	3/4	57,133	3/4	74,601	3/4	92,069	3/4	109,538	3/4	127,006	3/4	144,474	3/4	161,942	3/4	179,411	3/4	196,879	3/4	214,347	3/4	231,793	3/4	248,440
3	5,092	3	22,560	3	40,028	3	57,497	3	74,965	3	92,433	3	109,901	3	127,370	3	144,838	3	162,306	3	179,775	3	197,243	3	214,711	3	232,154	3	248,669
1/4	5,456	1/4	22,924	1/4	40,392	1/4	57,861	1/4	75,329	1/4	92,797	1/4	110,265	1/4	127,734	1/4	145,202	1/4	162,670	1/4	180,138	1/4	197,607	1/4	215,075	1/4	232,515	1/4	248,898
1/2	5,820	1/2	23,288	1/2	40,756	1/2	58,225	1/2	75,693	1/2	93,161	1/2	110,629	1/2	128,098	1/2	145,566	1/2	163,034	1/2	180,502	1/2	197,971	1/2	215,439	1/2	232,876	1/2	249,073
3/4	6,184	3/4	23,652	3/4	41,120	3/4	58,588	3/4	76,057	3/4	93,525	3/4	110,993	3/4	128,462	3/4	145,930	3/4	163,398	3/4	180,866	3/4	198,335	3/4	215,803	3/4	233,237	3/4	249,248
4	6,548	4	24,016	4	41,484	4	58,952	4	76,421	4	93,889	4	111,357	4	128,825	4	146,294	4	163,762	4	181,230	4	198,698	4	216,167	4	233,598	4	249,423
1/4	6,912	1/4	24,380	1/4	41,848	1/4	59,316	1/4	76,785	1/4	94,253	1/4	111,721	1/4	129,189	1/4	146,658	1/4	164,126	1/4	181,594	1/4	199,062	1/4	216,531	1/4	233,959	1/4	249,597
1/2	7,275	1/2	24,744	1/2	42,212	1/2	59,680	1/2	77,149	1/2	94,617	1/2	112,085	1/2	129,553	1/2	147,022	1/2	164,490	1/2	181,958	1/2	199,426	1/2	216,895	1/2	234,320	1/2	249,719
3/4	7,639	3/4	25,108	3/4	42,576	3/4	60,044	3/4	77,512	3/4	94,981	3/4	112,449	3/4	129,917	3/4	147,385	3/4	164,854	3/4	182,322	3/4	199,790	3/4	217,258	3/4	234,682	3/4	249,840
5	8,003	5	25,472	5	42,940	5	60,408	5	77,876	5	95,345	5	112,813	5	130,281	5	147,749	5	165,218	5	182,686	5	200,154	5	217,622	5	235,043	5	249,961
1/4	8,367	1/4	25,836	1/4	43,304	1/4	60,772	1/4	78,240	1/4	95,709	1/4	113,177	1/4	130,645	1/4	148,113	1/4	165,582	1/4	183,050	1/4	200,518	1/4	217,986	1/4	235,404	1/4	250,082
1/2	8,731	1/2	26,199	1/2	43,668	1/2	61,136	1/2	78,604	1/2	96,072	1/2	113,541	1/2	131,009	1/2	148,477	1/2	165,945	1/2	183,414	1/2	200,882	1/2	218,350	1/2	235,765	1/2	250,149
3/4	9,095	3/4	26,563	3/4	44,032	3/4	61,500	3/4	78,968	3/4	96,436	3/4	113,905	3/4	131,373	3/4	148,841	3/4	166,309	3/4	183,778	3/4	201,246	3/4	218,714	3/4	236,126	3/4	250,216
6	9,459	6	26,927	6	44,396	6	61,864	6	79,332	6	96,800	6	114,269	6	131,737	6	149,205	6	166,673	6	184,142	6	201,610	6	219,078	6	236,487	6	250,283
1/4	9,823	1/4	27,291	1/4	44,759	1/4	62,228	1/4	79,696	1/4	97,164	1/4	114,632	1/4	132,101	1/4	149,569	1/4	167,037	1/4	184,506	1/4	201,974	1/4	219,442	1/4	236,848	1/4	250,350
1/2	10,187	1/2	27,655	1/2	45,123	1/2	62,592	1/2	80,060	1/2	97,528	1/2	114,996	1/2	132,465	1/2	149,933	1/2	167,401	1/2	184,869	1/2	202,338	1/2	219,806	1/2	237,209	1/2	250,370
3/4	10,551	3/4	28,019	3/4	45,487	3/4	62,956	3/4	80,424	3/4	97,892	3/4	115,360	3/4	132,829	3/4	150,297	3/4	167,765	3/4	185,233	3/4	202,702	3/4	220,170	3/4	237,570	3/4	250,391
7	10,915	7	28,383	7	45,851	7	63,319	7	80,788	7	98,256	7	115,724	7	133,193	7	150,661	7	168,129	7	185,597	7	203,066	7	220,534	7	237,931	7	250,411
1/4	11,279	1/4	28,747	1/4	46,215	1/4	63,683	1/4	81,152	1/4	98,620	1/4	116,088	1/4	133,556	1/4	151,025	1/4	168,493	1/4	185,961	1/4	203,429	1/4	220,898	1/4	238,293	1/4	
1/2	11,643	1/2	29,111	1/2	46,579	1/2	64,047	1/2	81,516	1/2	98,984	1/2	116,452	1/2	133,920	1/2	151,389	1/2	168,857	1/2	186,325	1/2	203,793	1/2	221,262	1/2	238,654	1/2	
3/4	12,006	3/4	29,475	3/4	46,943	3/4	64,411	3/4	81,880	3/4	99,348	3/4	116,816	3/4	134,284	3/4	151,753	3/4	169,221	3/4	186,689								



# BARGE "HFL-601" HINES FURLONG LINE

INNAGE TABL

**2 STAR**

HULL NO. 4597

		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 *	1,090	0	18,193	0	35,661	0	53,130	0	70,598	0	88,066	0	105,534	0	123,003	0	140,471	0	157,939	0	175,407	0	192,876	0	210,344	0	227,812	0	245,153
1/4	1,350	1/4	18,557	1/4	36,025	1/4	53,494	1/4	70,962	1/4	88,430	1/4	105,898	1/4	123,367	1/4	140,835	1/4	158,303	1/4	175,771	1/4	193,240	1/4	210,708	1/4	228,176	1/4	245,514
1/2	1,609	1/2	18,921	1/2	36,389	1/2	53,858	1/2	71,326	1/2	88,794	1/2	106,262	1/2	123,731	1/2	141,199	1/2	158,667	1/2	176,135	1/2	193,604	1/2	211,072	1/2	228,540	1/2	245,849
3/4	1,869	3/4	19,285	3/4	36,753	3/4	54,221	3/4	71,690	3/4	89,158	3/4	106,626	3/4	124,094	3/4	141,563	3/4	159,031	3/4	176,499	3/4	193,967	3/4	211,436	3/4	228,904	3/4	246,183
1	2,207	1	19,649	1	54,585	1	72,054	1	89,522	1	106,990	1	124,458	1	141,927	1	159,395	1	176,863	1	194,331	1	211,800	1	229,265	1	246,517		
1/2	2,545	1/2	20,013	1/2	57,481	1/2	54,949	1/2	72,418	1/2	89,886	1/2	107,354	1/2	124,822	1/2	142,291	1/2	159,759	1/2	177,227	1/2	194,695	1/2	212,164	1/2	229,626	1/2	246,851
1/2	2,908	1/2	20,377	1/2	57,845	1/2	55,313	1/2	72,781	1/2	90,250	1/2	107,718	1/2	125,186	1/2	142,654	1/2	160,123	1/2	177,591	1/2	195,059	1/2	212,528	1/2	229,987	1/2	247,134
3/4	3,272	3/4	20,741	3/4	56,677	3/4	73,145	3/4	90,614	3/4	108,082	3/4	125,550	3/4	143,018	3/4	160,487	3/4	177,955	3/4	195,423	3/4	212,891	3/4	230,348	3/4	247,417		
2	3,636	2	21,105	2	58,573	2	56,041	2	73,509	2	90,978	2	108,446	2	125,914	2	143,382	2	160,851	2	178,319	2	195,787	2	213,255	2	230,709	2	247,699
1/4	4,000	1/4	21,468	1/4	58,937	1/4	56,405	1/4	73,873	1/4	91,341	1/4	108,810	1/4	126,278	1/4	143,746	1/4	161,215	1/4	178,683	1/4	196,151	1/4	213,619	1/4	231,071	1/4	247,982
1/2	4,364	1/2	21,832	1/2	39,301	1/2	56,769	1/2	74,237	1/2	91,705	1/2	109,174	1/2	126,642	1/2	144,110	1/2	161,578	1/2	179,047	1/2	196,515	1/2	213,983	1/2	231,432	1/2	248,211
3/4	4,728	3/4	22,196	3/4	39,665	3/4	57,133	3/4	74,601	3/4	92,069	3/4	109,538	3/4	127,006	3/4	144,474	3/4	161,942	3/4	179,411	3/4	196,879	3/4	214,347	3/4	231,793	3/4	248,440
3	5,092	3	22,560	3	40,028	3	57,497	3	74,965	3	92,433	3	109,901	3	127,370	3	144,838	3	162,306	3	179,775	3	197,243	3	214,711	3	232,154	3	248,669
1/4	5,456	1/4	22,924	1/4	40,392	1/4	57,861	1/4	75,329	1/4	92,797	1/4	110,265	1/4	127,734	1/4	145,202	1/4	162,670	1/4	180,138	1/4	197,607	1/4	215,075	1/4	232,515	1/4	248,898
1/2	5,820	1/2	23,288	1/2	40,756	1/2	58,225	1/2	75,693	1/2	93,161	1/2	110,629	1/2	128,098	1/2	145,566	1/2	163,034	1/2	180,502	1/2	197,971	1/2	215,439	1/2	232,876	1/2	249,073
3/4	6,184	3/4	23,652	3/4	41,120	3/4	58,588	3/4	76,057	3/4	93,525	3/4	109,993	3/4	128,462	3/4	145,930	3/4	163,398	3/4	180,866	3/4	198,335	3/4	215,803	3/4	233,237	3/4	249,248
4	6,548	4	24,016	4	41,484	4	58,952	4	76,421	4	93,889	4	111,357	4	128,825	4	146,294	4	163,762	4	181,230	4	198,698	4	216,167	4	233,598	4	249,423
1/4	6,912	1/4	24,380	1/4	41,848	1/4	59,316	1/4	76,785	1/4	94,253	1/4	111,721	1/4	129,189	1/4	146,658	1/4	164,126	1/4	181,594	1/4	199,062	1/4	216,531	1/4	233,959	1/4	249,597
1/2	7,275	1/2	24,744	1/2	42,212	1/2	59,680	1/2	77,149	1/2	94,617	1/2	112,085	1/2	129,553	1/2	147,022	1/2	164,490	1/2	181,958	1/2	199,426	1/2	216,895	1/2	234,320	1/2	249,719
3/4	7,639	3/4	25,108	3/4	42,576	3/4	60,044	3/4	77,512	3/4	94,981	3/4	112,449	3/4	129,917	3/4	147,385	3/4	164,854	3/4	182,322	3/4	199,790	3/4	217,258	3/4	234,682	3/4	249,840
5	8,003	5	25,472	5	42,940	5	60,408	5	77,876	5	95,345	5	112,813	5	130,281	5	147,749	5	165,218	5	182,686	5	200,154	5	217,622	5	235,043	5	249,961
1/4	8,367	1/4	25,836	1/4	43,304	1/4	60,772	1/4	78,240	1/4	95,709	1/4	113,177	1/4	130,645	1/4	148,113	1/4	165,582	1/4	183,050	1/4	200,518	1/4	217,986	1/4	235,404	1/4	250,082
1/2	8,731	1/2	26,199	1/2	43,668	1/2	61,136	1/2	78,604	1/2	96,072	1/2	113,541	1/2	131,009	1/2	148,477	1/2	165,945	1/2	183,414	1/2	200,882	1/2	218,350	1/2	235,765	1/2	250,149
3/4	9,095	3/4	26,563	3/4	44,032	3/4	61,500	3/4	78,968	3/4	96,436	3/4	113,905	3/4	131,373	3/4	148,841	3/4	166,309	3/4	183,778	3/4	201,246	3/4	218,714	3/4	236,126	3/4	250,216
6	9,459	6	26,927	6	44,396	6	61,864	6	79,332	6	96,800	6	114,269	6	131,737	6	149,205	6	166,773	6	184,142	6	201,610	6	219,078	6	236,487	6	250,283
1/4	9,823	1/4	27,291	1/4	44,759	1/4	62,228	1/4	79,696	1/4	97,164	1/4	114,632	1/4	132,101	1/4	149,569	1/4	167,037	1/4	184,506	1/4	201,974	1/4	219,442	1/4	236,848	1/4	250,350
1/2	10,187	1/2	27,655	1/2	45,123	1/2	62,592	1/2	80,060	1/2	97,528	1/2	114,996	1/2	132,465	1/2	149,933	1/2	167,401	1/2	184,869	1/2	202,338	1/2	219,806	1/2	237,209	1/2	250,370
3/4	10,551	3/4	28,019	3/4	45,487	3/4	62,956	3/4	80,424	3/4	97,892	3/4	115,360	3/4	132,829	3/4	150,297	3/4	167,765	3/4	185,233	3/4	202,702	3/4	220,170	3/4	237,570	3/4	250,391
7	10,915	7	28,383	7	45,851	7	63,319	7	80,788	7	98,256	7	115,724	7	133,193	7	150,661	7	168,129	7	185,597	7	203,066	7	220,534	7	237,931	7	250,411
1/4	11,279	1/4	28,747	1/4	46,215	1/4	63,683	1/4	81,152	1/4	98,620	1/4	116,088	1/4	133,556	1/4	151,025	1/4	168,493	1/4	185,961	1/4	203,429	1/4	220,898	1/4	238,293	1/4	250,411
1/2	11,643	1/2	29,111	1/2	46,579	1/2	64,047	1/2	81,516	1/2	98,984	1/2	116,452	1/2	133,920	1/2	151,389	1/2	168,857	1/2	186,325	1/2	203,793	1/2	221,262	1/2	238,654	1/2	250,411
3/4	12,006	3/4	29,475	3/4	46,943	3/4	64,411	3/4	81,880	3/4	99,348	3/4	116,816	3/4	134,284	3/4	151,753	3/4	169,221	3/4	186,689	3/4	204,157	3/4	221,626	3/4	239,015	3/4	250,411
8	12,370	8	29,839	8	47,307	8	64,775	8	82,243	8	99,712	8	117,180	8	134,648	8	152,116	8	169,585	8	187,053	8	204,521	8	221,989	8	239,376	8	
1/4	12,734	1/4	30,203	1/4	47,671	1/4	65,139	1/4	82,607	1/4	100,076	1/4	117,544	1/4	135,012	1/4	152,480	1/4	169,949	1/4	187,417	1/4	204,885	1/4	222,353	1/4	239,737	1/4	
1/2	13,098	1/2	30,567	1/2	48,035	1/2	65,503	1/2	82,971	1/2	100,440	1/2	117,908	1/2	135,376	1/2	152,844	1/2	170,313	1/2	187,781	1/2	205,249	1/2	222,717	1/2	240,098	1/2	
3/4	13,462	3/4	30,930	3/4	48,399	3/4	65,867	3/4	83,335	3/4	100,803	3/4	118,272	3/4	135,740	3/4	153,208	3/4	170,676	3/4	188,145	3/4	205,613	3/4	223,081	3/4	240,459	3/4	
9	13,826	9	31,294	9	48,763	9	66,231	9	83,699	9	101,167	9	118,636	9	136,104	9	153,572	9	171,040	9	188,509	9	205,977	9	223,445	9	240,820	9	
1/4	14,190	1/4	31,658	1/4	49,127	1/4	66,595	1/4	84,063	1/4	101,531	1/4	119,000	1/4	136,468	1/4	153,936	1/4	171,404	1/4	188,873	1/4	206,341	1/4	223,809	1/4	241,181	1/4	
1/2	14,554	1/2	32,022	1/2	49,490	1/2	66,959	1/2	84,427	1/2	101,895	1/2	119,363	1/2	136,832	1/2	154,300	1/2	171,768	1/2	189,236	1/2	206,705	1/2	224,173	1/2	241,542	1/2	
3/4	14,918	3/4	32,386	3/4	49,854	3/4	6																						

CAPACITIES GIVEN IN U.S. GALLONS

STRIPPED: 12/17/07

\* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 16'-4 3/4" (RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK)

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

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INSPECTORATE AMERICA CORPORATION



# BARGE "HFL-601"

## HINES FURLONG LINE

## INNAGE TABLE

3 PORT

HULL NO. 4597

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	* 1,087	0	18,123	0	35,521	0	52,919	0	70,317	0	87,715	0	105,113	0	122,510	0	139,908	0	157,306	0	173,486	0	186,231	0	198,970	0	211,709	0	224,449
1/4	1,346	1/4	18,485	1/4	35,883	1/4	53,281	1/4	70,679	1/4	88,077	1/4	105,475	1/4	122,873	1/4	140,271	1/4	157,669	1/4	173,757	1/4	186,496	1/4	199,235	1/4	211,975	1/4	224,714
1/2	1,605	1/2	18,848	1/2	36,246	1/2	53,644	1/2	71,042	1/2	88,440	1/2	105,837	1/2	123,235	1/2	140,633	1/2	158,031	1/2	174,022	1/2	186,761	1/2	199,501	1/2	212,240	1/2	224,960
3/4	1,864	3/4	19,210	3/4	36,608	3/4	54,006	3/4	71,404	3/4	88,802	3/4	106,200	3/4	123,598	3/4	140,996	3/4	158,394	3/4	174,287	3/4	187,027	3/4	199,766	3/4	212,506	3/4	225,206
1	2,201	1	19,573	1	36,971	1	54,369	1	71,766	1	89,164	1	106,562	1	123,960	1	141,358	1	158,756	1	174,553	1	187,292	1	200,032	1	212,771	1	225,452
1/4	2,537	1/4	19,935	1/4	37,333	1/4	54,731	1/4	72,129	1/4	89,527	1/4	106,925	1/4	124,323	1/4	141,721	1/4	159,119	1/4	174,818	1/4	187,558	1/4	200,297	1/4	213,036	1/4	225,697
1/2	2,900	1/2	20,298	1/2	37,696	1/2	55,093	1/2	72,491	1/2	89,889	1/2	107,287	1/2	124,685	1/2	142,083	1/2	159,481	1/2	175,084	1/2	187,823	1/2	200,562	1/2	213,302	1/2	225,904
3/4	3,262	3/4	20,660	3/4	38,058	3/4	55,456	3/4	72,854	3/4	90,252	3/4	107,650	3/4	125,048	3/4	142,446	3/4	159,844	3/4	175,349	3/4	188,088	3/4	200,828	3/4	213,567	3/4	226,110
2	3,625	2	21,023	2	38,420	2	55,818	2	73,216	2	90,614	2	108,012	2	125,410	2	142,808	2	160,206	2	175,614	2	188,354	2	201,093	2	213,833	2	226,317
1/4	3,987	1/4	21,385	1/4	38,783	1/4	56,181	1/4	73,579	1/4	90,977	1/4	108,375	1/4	125,773	1/4	143,171	1/4	160,568	1/4	175,880	1/4	188,619	1/4	201,359	1/4	214,098	1/4	226,523
1/2	4,349	1/2	21,747	1/2	39,145	1/2	56,543	1/2	73,941	1/2	91,339	1/2	108,737	1/2	126,135	1/2	143,533	1/2	160,931	1/2	176,145	1/2	188,885	1/2	201,624	1/2	214,364	1/2	226,690
3/4	4,712	3/4	22,110	3/4	39,508	3/4	56,906	3/4	74,304	3/4	91,702	3/4	109,100	3/4	126,497	3/4	141,895	3/4	161,293	3/4	176,411	3/4	189,150	3/4	201,889	3/4	214,629	3/4	226,857
3	5,074	3	22,472	3	39,870	3	57,268	3	74,666	3	92,064	3	109,462	3	126,860	3	144,258	3	161,656	3	176,676	3	189,415	3	202,155	3	214,894	3	227,024
1/4	5,437	1/4	22,835	1/4	40,233	1/4	57,631	1/4	95,029	1/4	92,427	1/4	109,824	1/4	127,222	1/4	144,620	1/4	162,018	1/4	176,941	1/4	189,681	1/4	202,420	1/4	215,160	1/4	227,191
1/2	5,799	1/2	23,197	1/2	40,595	1/2	57,993	1/2	75,391	1/2	92,789	1/2	110,187	1/2	127,585	1/2	144,983	1/2	162,381	1/2	177,207	1/2	189,946	1/2	202,686	1/2	215,425	1/2	227,319
3/4	6,162	3/4	23,560	3/4	40,958	3/4	58,356	3/4	75,754	3/4	93,151	3/4	110,549	3/4	127,947	3/4	142,743	3/4	177,472	3/4	190,212	3/4	202,951	3/4	215,691	3/4	227,447		
4	6,524	4	23,922	4	41,320	4	58,718	4	76,116	4	93,514	4	110,912	4	128,310	4	145,708	4	163,106	4	177,738	4	190,477	4	203,216	4	215,956	4	227,575
1/4	6,887	1/4	24,285	1/4	41,683	1/4	59,080	1/4	76,478	1/4	93,876	1/4	111,274	1/4	128,672	1/4	146,070	1/4	163,468	1/4	178,003	1/4	190,742	1/4	203,482	1/4	216,221	1/4	227,703
1/2	7,249	1/2	24,647	1/2	42,045	1/2	59,443	1/2	76,841	1/2	94,239	1/2	111,637	1/2	129,035	1/2	146,433	1/2	163,831	1/2	178,268	1/2	190,008	1/2	203,747	1/2	216,487	1/2	227,791
3/4	7,612	3/4	25,010	3/4	42,407	3/4	59,805	3/4	77,203	3/4	94,601	3/4	111,999	3/4	129,397	3/4	146,795	3/4	164,193	3/4	178,534	3/4	191,273	3/4	204,013	3/4	216,752	3/4	227,879
5	7,974	5	25,372	5	42,770	5	60,168	5	77,566	5	94,964	5	112,362	5	129,760	5	147,158	5	164,555	5	178,799	5	191,539	5	204,278	5	217,018	5	227,968
1/4	8,337	1/4	25,734	1/4	43,132	1/4	60,530	1/4	77,928	1/4	95,326	1/4	112,724	1/4	130,122	1/4	147,520	1/4	164,918	1/4	179,065	1/4	191,804	1/4	204,544	1/4	217,283	1/4	228,056
1/2	8,699	1/2	26,097	1/2	43,495	1/2	60,893	1/2	78,291	1/2	95,689	1/2	113,087	1/2	130,485	1/2	147,882	1/2	165,280	1/2	179,330	1/2	192,069	1/2	204,809	1/2	217,548	1/2	228,106
3/4	9,061	3/4	26,459	3/4	43,857	3/4	61,255	3/4	78,653	3/4	96,051	3/4	113,449	3/4	130,847	3/4	148,245	3/4	165,636	3/4	179,595	3/4	192,335	3/4	205,074	3/4	217,814	3/4	228,155
6	9,424	6	26,822	6	44,220	6	61,618	6	79,016	6	96,414	6	113,812	6	131,209	6	148,607	6	165,991	6	179,861	6	192,600	6	205,340	6	218,079	6	228,204
1/4	9,786	1/4	27,184	1/4	44,582	1/4	61,980	1/4	79,378	1/4	96,776	1/4	114,174	1/4	131,572	1/4	148,970	1/4	166,346	1/4	180,126	1/4	192,866	1/4	205,605	1/4	218,345	1/4	228,253
1/2	10,149	1/2	27,547	1/2	44,945	1/2	62,343	1/2	79,741	1/2	97,138	1/2	114,536	1/2	131,934	1/2	149,332	1/2	166,701	1/2	180,392	1/2	193,131	1/2	205,871	1/2	218,610	1/2	228,268
3/4	10,511	3/4	27,909	3/4	45,307	3/4	62,705	3/4	80,103	3/4	97,501	3/4	114,899	3/4	132,297	3/4	149,695	3/4	167,042	3/4	180,657	3/4	193,397	3/4	206,136	3/4	218,875	3/4	228,283
7	10,874	7	28,272	7	45,670	7	63,068	7	80,465	7	97,863	7	115,261	7	132,659	7	150,057	7	167,383	7	180,922	7	193,662	7	206,401	7	219,141	7	228,297
1/4	11,236	1/4	28,634	1/4	46,032	1/4	63,430	1/4	80,828	1/4	98,226	1/4	115,624	1/4	133,022	1/4	150,420	1/4	167,724	1/4	181,188	1/4	193,927	1/4	206,667	1/4	219,406	1/4	228,056
1/2	11,599	1/2	28,997	1/2	46,394	1/2	63,792	1/2	81,190	1/2	98,588	1/2	115,986	1/2	133,384	1/2	150,782	1/2	168,065	1/2	181,453	1/2	194,193	1/2	206,932	1/2	219,672	1/2	228,155
3/4	11,961	3/4	29,359	3/4	46,757	3/4	64,155	3/4	81,553	3/4	98,951	3/4	113,747	3/4	151,145	3/4	168,392	3/4	181,719	3/4	194,458	3/4	207,198	3/4	219,937	3/4	228,155		
8	12,324	8	29,721	8	47,119	8	64,517	8	81,915	8	99,313	8	116,711	8	134,109	8</													



# BARGE "HFL-601"

## HINES FURLONG LINE

## INNAGE TABLE

3 STAR

HULL NO. 4597

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	* 1,087	0	18,123	0	35,521	0	52,919	0	70,317	0	87,715	0	105,113	0	122,510	0	139,908	0	157,306	0	173,486	0	186,231	0	198,970	0	211,709	0	224,449
1/4	1,346	1/4	18,485	1/4	35,883	1/4	53,281	1/4	70,679	1/4	88,077	1/4	105,475	1/4	122,873	1/4	140,271	1/4	157,669	1/4	173,757	1/4	186,496	1/4	199,235	1/4	211,975	1/4	224,714
1/2	1,605	1/2	18,848	1/2	36,246	1/2	53,644	1/2	71,042	1/2	88,440	1/2	105,837	1/2	123,235	1/2	140,633	1/2	158,031	1/2	174,022	1/2	186,761	1/2	199,501	1/2	212,240	1/2	224,960
3/4	1,864	3/4	19,210	3/4	36,608	3/4	54,006	3/4	71,404	3/4	88,802	3/4	106,200	3/4	123,598	3/4	140,996	3/4	158,394	3/4	174,287	3/4	187,027	3/4	199,766	3/4	212,506	3/4	225,206
1	2,201	1	19,573	1	36,971	1	54,369	1	71,766	1	89,164	1	106,562	1	123,960	1	141,358	1	158,756	1	174,553	1	187,292	1	200,032	1	212,771	1	225,452
1/4	2,537	1/4	19,935	1/4	37,333	1/4	54,731	1/4	72,129	1/4	89,527	1/4	106,925	1/4	124,323	1/4	141,721	1/4	159,119	1/4	174,818	1/4	187,558	1/4	200,297	1/4	213,036	1/4	225,697
1/2	2,900	1/2	20,298	1/2	37,696	1/2	55,093	1/2	72,491	1/2	89,889	1/2	107,287	1/2	124,685	1/2	142,083	1/2	159,481	1/2	175,084	1/2	187,823	1/2	200,562	1/2	213,302	1/2	225,904
3/4	3,262	3/4	20,660	3/4	38,058	3/4	55,456	3/4	72,854	3/4	90,252	3/4	107,650	3/4	125,048	3/4	142,446	3/4	159,844	3/4	175,349	3/4	188,088	3/4	200,828	3/4	213,567	3/4	226,110
2	3,625	2	21,023	2	38,420	2	55,818	2	73,216	2	90,614	2	108,012	2	125,410	2	142,808	2	160,206	2	175,614	2	188,354	2	201,093	2	213,833	2	226,317
1/4	3,987	1/4	21,385	1/4	38,783	1/4	56,181	1/4	73,579	1/4	90,977	1/4	108,375	1/4	126,773	1/4	143,171	1/4	160,568	1/4	175,880	1/4	188,619	1/4	201,359	1/4	214,098	1/4	226,523
1/2	4,349	1/2	21,747	1/2	39,145	1/2	56,543	1/2	73,941	1/2	91,339	1/2	108,737	1/2	126,135	1/2	143,533	1/2	160,931	1/2	176,145	1/2	188,885	1/2	201,624	1/2	214,364	1/2	226,690
3/4	4,712	3/4	22,110	3/4	39,508	3/4	56,906	3/4	74,304	3/4	91,702	3/4	109,100	3/4	126,497	3/4	143,895	3/4	161,293	3/4	176,411	3/4	189,150	3/4	201,889	3/4	214,629	3/4	226,857
3	5,074	3	22,472	3	39,870	3	57,268	3	74,666	3	92,064	3	109,462	3	126,860	3	144,258	3	161,656	3	176,676	3	189,415	3	202,155	3	214,894	3	227,024
1/4	5,437	1/4	22,835	1/4	40,233	1/4	57,631	1/4	92,427	1/4	109,824	1/4	127,222	1/4	144,620	1/4	162,018	1/4	176,941	1/4	189,681	1/4	202,420	1/4	215,160	1/4	227,191		
1/2	5,799	1/2	23,197	1/2	40,595	1/2	57,993	1/2	75,391	1/2	92,789	1/2	110,187	1/2	127,585	1/2	144,983	1/2	162,381	1/2	177,207	1/2	189,946	1/2	202,686	1/2	215,425	1/2	227,319
3/4	6,162	3/4	23,560	3/4	40,958	3/4	58,356	3/4	75,754	3/4	93,151	3/4	110,549	3/4	127,947	3/4	145,345	3/4	162,743	3/4	177,472	3/4	190,212	3/4	202,951	3/4	215,691	3/4	227,447
4	6,524	4	23,922	4	41,320	4	58,718	4	76,116	4	93,514	4	110,912	4	128,310	4	145,708	4	163,106	4	177,738	4	190,477	4	203,216	4	215,956	4	227,575
1/4	6,887	1/4	24,285	1/4	41,683	1/4	59,080	1/4	76,478	1/4	93,876	1/4	111,274	1/4	128,672	1/4	146,070	1/4	163,468	1/4	178,003	1/4	190,742	1/4	203,482	1/4	216,221	1/4	227,703
1/2	7,249	1/2	24,647	1/2	42,045	1/2	59,443	1/2	76,841	1/2	94,239	1/2	111,637	1/2	129,035	1/2	146,433	1/2	163,831	1/2	178,268	1/2	191,008	1/2	203,747	1/2	216,487	1/2	227,791
3/4	7,612	3/4	25,010	3/4	42,407	3/4	59,805	3/4	77,203	3/4	94,601	3/4	111,999	3/4	129,397	3/4	146,795	3/4	164,193	3/4	178,534	3/4	191,273	3/4	204,013	3/4	216,752	3/4	227,879
5	7,974	5	25,372	5	42,770	5	60,168	5	77,566	5	94,964	5	112,362	5	129,760	5	147,158	5	164,555	5	178,799	5	191,539	5	204,278	5	217,018	5	227,968
1/4	8,337	1/4	25,734	1/4	43,132	1/4	60,530	1/4	77,928	1/4	95,326	1/4	112,724	1/4	130,122	1/4	147,520	1/4	164,918	1/4	179,065	1/4	191,804	1/4	204,544	1/4	217,283	1/4	228,056
1/2	8,699	1/2	26,097	1/2	43,495	1/2	60,893	1/2	78,291	1/2	95,689	1/2	113,087	1/2	130,485	1/2	147,882	1/2	165,280	1/2	179,330	1/2	192,069	1/2	204,809	1/2	217,548	1/2	228,106
3/4	9,061	3/4	26,459	3/4	43,857	3/4	61,255	3/4	78,653	3/4	96,051	3/4	113,449	3/4	130,847	3/4	148,245	3/4	165,636	3/4	179,595	3/4	192,335	3/4	205,074	3/4	217,814	3/4	228,155
6	9,424	6	26,822	6	44,220	6	61,618	6	79,016	6	96,414	6	113,812	6	131,209	6	148,607	6	165,991	6	179,861	6	192,600	6	205,340	6	218,079	6	228,204
1/4	9,786	1/4	27,184	1/4	44,582	1/4	61,980	1/4	79,378	1/4	96,776	1/4	114,174	1/4	131,572	1/4	148,970	1/4	166,346	1/4	180,126	1/4	192,866	1/4	205,605	1/4	218,345	1/4	228,253
1/2	10,149	1/2	27,547	1/2	44,945	1/2	62,343	1/2	79,741	1/2	97,138	1/2	114,536	1/2	131,934	1/2	149,332	1/2	166,701	1/2	180,392	1/2	193,131	1/2	205,871	1/2	218,610	1/2	228,268
3/4	10,511	3/4	27,909	3/4	45,307	3/4	62,705	3/4	80,103	3/4	97,501	3/4	114,899	3/4	132,297	3/4	149,695	3/4	167,042	3/4	180,657	3/4	193,397	3/4	206,136	3/4	218,875	3/4	228,283
7	10,874	7	28,272	7	45,670	7	63,068	7	80,465	7	97,863	7	115,261	7	132,659	7	150,057	7	167,383	7	180,922	7	193,662	7	206,401	7	219,141	7	228,297
1/4	11,236	1/4	28,634	1/4	46,032	1/4	63,430	1/4	80,828	1/4	98,226	1/4	115,624	1/4	133,022	1/4	150,420	1/4	167,724	1/4	181,188	1/4	193,927	1/4	206,667	1/4	219,406	1/4	
1/2	11,599	1/2	28,997	1/2	46,394	1/2	63,792	1/2	81,190	1/2	98,588	1/2	115,986	1/2	133,384	1/2	150,782	1/2	168,065	1/2	181,453	1/2	194,193	1/2	206,932	1/2	219,672	1/2	
3/4	11,961	3/4	29,359	3/4	46,757	3/4	64,155	3/4	81,553	3/4	98,951	3/4	116,349	3/4	133,747	3/4	151,145	3/4	168,392	3/4	181,719	3/4	194,458	3/4	207,198	3/4	219,937	3/4	
8	12,324	8	29,721	8	47,119	8	64,517	8	81,915	8	99,313	8	116,711	8	134,109	8	151												



# BARGE "HFL-601"

## HINES FURLONG LINE

## OUTAGE TABLE

PORT SLOP TANK

HULL NO. 4597

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

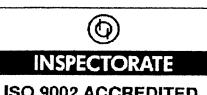
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.	IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.
0	0			0			0		0		0		0		0		0		0		0		0		0		0		0
1/4	1/4			1/4			1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	1/2			1/2			1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	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	1			1			1		1		1		1		1		1		1		1		1		1		1		1
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	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	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	2			2			2		2		2		2		2		2		2		2		2		2		2		2
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	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	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	3			3			3		3		3		3		3		3		3		3		3		3		3		3
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	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	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	4			4			4		4		4		4		4		4		4		4		4		4		4		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	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	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	5			5			5		5		5		5		5		5		5		5		5		5		5		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
1/2	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	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	6			6			6		6		6		6		6		6		6		6		6		6		6		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
1/2	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	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	7			7			7		7		7		7		7		7		7		7		7		7		7		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
1/2	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	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	8			8			8		8		8		8		8		8		8		8		8		8		8		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
1/2	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	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	9			9			9		9		9		9		9		9		9		9		9		9		9		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
1/2	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	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
10	10			10			10		10		10		10		10		10		10		10		10		10		10		10
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	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	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
11	11			11			11		11		11		11		11		11		11		11		11		11		11		11
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	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	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

CAPACITIES GIVEN IN U.S. GALLONS

STRAPPED: 12/19/07

REFERENCE GAUGE HEIGHT : 6'-7 1/4" (RIM OF 2" DIA. BALL VALVE LOCATED  
NEAR CENTER OF TANK)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-601" HINES FURLONG LINE

## OUTAGE TABLE

# **STAR SLOP TANK**

HULL NO. 4597

CAPACITIES GIVEN IN U.S. GALLONS

STRAPPED: 12/17/07

REFERENCE GAUGE HEIGHT : 6'-7 1/2" (RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK)

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**



INSPECTORATE

ISO 9002 ACCREDITED

# BARGE "HFL-601" HINES FURLONG LINE

## INNAGE TABLE

## **PORT SLOP TANK**

HULL NO. 4597

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

CAPACITIES GIVEN IN U.S. GALLONS

STRAPPED: 12/17/07

REFERENCE GAUGE HEIGHT : 6'-7 1/4" (RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK)

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

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INSPECTORATE AMERICA CORPORATION



INSPECTORATE

ISO 9002 ACCREDITED

# **BARGE "HFL-601" HINES FURLONG LINE**

## INNAGE TABLE

# **STAR SLOP TANK**

HULL NO 4597

CAPACITIES GIVEN IN U.S. GALLONS

**STRIPPED: 11/12/07**

REFERENCE GAUGE HEIGHT : 6'-7 1/2" (RIM OF 2" DIA. BALL VALVE LOCATED NEAR CENTER OF TANK)

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

Hauer

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INSPECTORATE AMERICA CORPORATION