



BARGE "HFL-403"

HINES FURLONG LINE

OUTAGE TABLE

1 PORT

HULL NO. 4594

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	213,299	0	199,410	0	184,358	0	169,307	0	154,255	0	139,203	0	124,151	0	109,099	0	94,048	0	78,996	0	63,944	0	48,892	0	33,840	0	18,810	0	4,746
1/4		1/4	213,148	1/4	199,097	1/4	184,045	1/4	168,993	1/4	153,941	1/4	138,889	1/4	123,838	1/4	108,786	1/4	93,734	1/4	78,682	1/4	63,630	1/4	48,579	1/4	33,527	1/4	18,504	1/4	4,471
1/2		1/2	212,997	1/2	198,783	1/2	183,731	1/2	168,679	1/2	153,628	1/2	138,576	1/2	123,524	1/2	108,472	1/2	93,420	1/2	78,369	1/2	63,317	1/2	48,265	1/2	33,213	1/2	18,198	1/2	4,195
3/4		3/4	212,800	3/4	198,469	3/4	183,418	3/4	168,366	3/4	153,314	3/4	138,262	3/4	123,210	3/4	108,159	3/4	93,107	3/4	78,055	3/4	63,003	3/4	47,951	3/4	32,900	3/4	17,893	3/4	3,920
1		1	212,603	1	198,156	1	183,104	1	168,052	1	153,000	1	137,949	1	122,897	1	107,845	1	92,793	1	77,741	1	62,690	1	47,638	1	32,586	1	17,587	1	3,645
1/4		1/4	212,405	1/4	197,842	1/4	182,790	1/4	167,739	1/4	152,687	1/4	137,635	1/4	122,583	1/4	107,531	1/4	92,480	1/4	77,428	1/4	62,376	1/4	47,324	1/4	32,273	1/4	17,281	1/4	3,370
1/2		1/2	212,208	1/2	197,529	1/2	182,477	1/2	167,425	1/2	152,373	1/2	137,321	1/2	122,270	1/2	107,218	1/2	92,166	1/2	77,114	1/2	62,063	1/2	47,011	1/2	31,959	1/2	16,975	1/2	3,095
3/4		3/4	211,964	3/4	197,215	3/4	182,163	3/4	167,111	3/4	152,060	3/4	137,008	3/4	121,956	3/4	106,904	3/4	91,853	3/4	76,801	3/4	61,749	3/4	46,697	3/4	31,645	3/4	16,669	3/4	2,820
2		2	211,720	2	196,901	2	181,850	2	166,798	2	151,746	2	136,694	2	121,643	2	106,591	2	91,539	2	76,487	2	61,435	2	46,384	2	31,332	2	16,364	2	2,545
1/4		1/4	211,477	1/4	196,588	1/4	181,536	1/4	166,484	1/4	151,433	1/4	136,381	1/4	121,329	1/4	106,277	1/4	91,225	1/4	76,174	1/4	61,122	1/4	46,070	1/4	31,018	1/4	16,063	1/4	2,275
1/2		1/2	211,233	1/2	196,274	1/2	181,223	1/2	166,171	1/2	151,119	1/2	136,067	1/2	121,015	1/2	105,964	1/2	90,912	1/2	75,860	1/2	60,808	1/2	45,756	1/2	30,705	1/2	15,762	1/2	2,005
3/4		3/4	210,943	3/4	195,961	3/4	180,909	3/4	165,857	3/4	150,805	3/4	135,754	3/4	120,702	3/4	105,650	3/4	90,598	3/4	75,546	3/4	60,495	3/4	45,443	3/4	30,391	3/4	15,462	3/4	1,752
3		3	210,652	3	195,647	3	180,595	3	165,544	3	150,492	3	135,440	3	120,388	3	105,336	3	90,285	3	75,233	3	60,181	3	45,129	3	30,077	3	15,161	3	1,500
1/4		1/4	210,362	1/4	195,334	1/4	180,282	1/4	165,230	1/4	150,178	1/4	135,126	1/4	120,075	1/4	105,023	1/4	89,971	1/4	74,919	1/4	59,867	1/4	44,816	1/4	29,764	1/4	14,860	1/4	1,301
1/2		1/2	210,072	1/2	195,020	1/2	179,968	1/2	164,916	1/2	149,865	1/2	134,813	1/2	119,761	1/2	104,709	1/2	89,657	1/2	74,606	1/2	59,554	1/2	44,502	1/2	29,450	1/2	14,560	1/2	1,102
3/4		3/4	209,758	3/4	194,706	3/4	179,655	3/4	164,603	3/4	149,551	3/4	134,499	3/4	119,447	3/4	104,396	3/4	89,344	3/4	74,292	3/4	59,240	3/4	44,189	3/4	29,137	3/4	14,259	3/4	* 903
4		4	209,445	4	194,393	4	179,341	4	164,289	4	149,237	4	134,186	4	119,134	4	104,082	4	89,030	4	73,979	4	58,927	4	43,875	4	28,823	4	13,958	4	
1/4		1/4	209,131	1/4	194,079	1/4	179,027	1/4	163,976	1/4	148,924	1/4	133,872	1/4	118,820	1/4	103,769	1/4	88,717	1/4	73,665	1/4	58,613	1/4	43,561	1/4	28,510	1/4	13,663	1/4	
1/2		1/2	208,817	1/2	193,766	1/2	178,714	1/2	163,662	1/2	148,610	1/2	133,559	1/2	118,507	1/2	103,455	1/2	88,403	1/2	73,351	1/2	58,300	1/2	43,248	1/2	28,196	1/2	13,367	1/2	
3/4		3/4	208,504	3/4	193,452	3/4	178,400	3/4	163,349	3/4	148,297	3/4	133,245	3/4	118,193	3/4	103,141	3/4	88,090	3/4	73,038	3/4	57,986	3/4	42,934	3/4	27,882	3/4	13,072	3/4	
5		5	208,190	5	193,139	5	178,087	5	163,035	5	147,983	5	132,931	5	117,880	5	102,828	5	87,776	5	72,724	5	57,672	5	52,621	5	27,569	5	12,776	5	
1/4		1/4	207,877	1/4	192,825	1/4	177,773	1/4	162,721	1/4	147,670	1/4	132,618	1/4	117,566	1/4	102,514	1/4	87,462	1/4	72,411	1/4	57,359	1/4	42,307	1/4	27,255	1/4	12,480	1/4	
1/2		1/2	207,563	1/2	192,511	1/2	177,460	1/2	162,408	1/2	147,356	1/2	132,304	1/2	117,252	1/2	102,201	1/2	87,149	1/2	72,097	1/2	57,045	1/2	41,993	1/2	26,942	1/2	12,185	1/2	
3/4		3/4	207,250	3/4	192,198	3/4	177,146	3/4	162,094	3/4	147,042	3/4	131,991	3/4	116,939	3/4	101,887	3/4	86,835	3/4	71,783	3/4	56,732	3/4	41,680	3/4	26,628	3/4	11,889	3/4	
6		6	206,936	6	191,884	6	176,832	6	161,781	6	146,729	6	131,677	6	116,625	6	101,573	6	86,522	6	71,470	6	56,418	6	41,366	6	26,315	6	11,594	6	
1/4		1/4	206,622	1/4	191,571	1/4	176,519	1/4	161,467	1/4	146,415	1/4	131,363	1/4	116,312	1/4	101,260	1/4	86,208	1/4	71,156	1/4	56,105	1/4	41,053	1/4	26,001	1/4	11,303	1/4	
1/2		1/2	206,309	1/2	191,257	1/2	176,205	1/2	161,153	1/2	146,102	1/2	131,050	1/2	115,998	1/2	100,946	1/2	85,895	1/2	70,843	1/2	55,791	1/2	40,739	1/2	25,687	1/2	11,013	1/2	
3/4		3/4	205,995	3/4	190,943	3/4	175,892	3/4	160,840	3/4	145,788	3/4	130,736	3/4	115,685	3/4	100,633	3/4	85,581	3/4	70,529	3/4	55,477	3/4	40,426	3/4	25,374	3/4	10,722	3/4	
7		7	205,682	7	190,630	7	175,578	7	165,526	7	145,475	7	130,423	7	115,371	7	100,319	7	85,267	7	70,216	7	55,164	7	40,112	7	25,060	7	10,432	7	
1/4		1/4	205,368	1/4	190,316	1/4	175,265	1/4	160,213	1/4	145,161	1/4	130,109	1/4	115,057	1/4	100,006	1/4	84,954	1/4	69,902	1/4	54,850	1/4	39,798	1/4	24,747	1/4	10,142	1/4	
1/2		1/2	205,055	1/2	190,003	1/2	174,951	1/2	160,899	1/2	144,847	1/2	129,796	1/2	114,744	1/2	99,692	1/2	84,640	1/2	69,588	1/2	54,537	1/2	39,485	1/2	24,433	1/2	9,851	1/2	
3/4		3/4	204,741	3/4	189,689	3/4	174,637	3/4	159,586	3/4	144,534	3/4																			



BARGE "HFL-403"

HINES FURLONG LINE

OUTAGE TABLE

1 STAR

HULL NO. 4594

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	213,450	0	199,724	0	184,672	0	169,620	0	154,568	0	139,517	0	124,465	0	109,413	0	94,361	0	79,309	0	64,258	0	49,206	0	34,154	0	19,121	0	5,026
	1/4	1/4	213,299	1/4	199,410	1/4	184,358	1/4	169,307	1/4	154,255	1/4	139,203	1/4	124,151	1/4	109,099	1/4	94,048	1/4	78,996	1/4	63,944	1/4	48,892	1/4	33,840	1/4	18,810	1/4	4,746
	1/2	1/2	213,148	1/2	199,097	1/2	184,045	1/2	168,993	1/2	153,941	1/2	138,889	1/2	123,838	1/2	108,786	1/2	93,734	1/2	78,682	1/2	63,630	1/2	48,579	1/2	33,527	1/2	18,504	1/2	4,471
	3/4	3/4	212,997	3/4	198,783	3/4	183,731	3/4	168,679	3/4	153,628	3/4	138,576	3/4	123,524	3/4	108,472	3/4	93,420	3/4	78,369	3/4	63,317	3/4	48,265	3/4	33,213	3/4	18,198	3/4	4,195
1	1	1	212,800	1	198,469	1	183,418	1	168,366	1	153,314	1	138,262	1	123,210	1	108,159	1	93,107	1	78,055	1	63,003	1	47,951	1	32,900	1	17,893	1	3,920
	1/4	1/4	212,603	1/4	198,156	1/4	183,104	1/4	168,052	1/4	153,000	1/4	137,949	1/4	122,897	1/4	107,845	1/4	92,793	1/4	77,741	1/4	62,690	1/4	47,638	1/4	32,586	1/4	17,587	1/4	3,645
	1/2	1/2	212,405	1/2	197,842	1/2	182,790	1/2	167,739	1/2	152,687	1/2	137,635	1/2	122,583	1/2	107,531	1/2	92,480	1/2	77,428	1/2	62,376	1/2	47,324	1/2	32,273	1/2	17,281	1/2	3,370
	3/4	3/4	212,208	3/4	197,529	3/4	182,477	3/4	167,425	3/4	152,373	3/4	137,321	3/4	122,270	3/4	107,218	3/4	92,166	3/4	77,114	3/4	62,063	3/4	47,011	3/4	31,959	3/4	16,975	3/4	3,095
2	2	2	211,964	2	197,215	2	182,163	2	167,111	2	152,060	2	137,008	2	121,956	2	106,904	2	91,853	2	76,801	2	61,749	2	46,697	2	31,645	2	16,669	2	2,820
	1/4	1/4	211,720	1/4	196,901	1/4	181,850	1/4	166,798	1/4	151,746	1/4	136,694	1/4	121,643	1/4	106,591	1/4	91,539	1/4	76,487	1/4	61,435	1/4	46,384	1/4	31,332	1/4	16,364	1/4	2,545
	1/2	1/2	211,477	1/2	196,588	1/2	181,536	1/2	166,484	1/2	151,433	1/2	136,381	1/2	121,329	1/2	106,277	1/2	91,225	1/2	76,174	1/2	61,122	1/2	46,070	1/2	31,018	1/2	16,063	1/2	2,275
	3/4	3/4	211,233	3/4	196,274	3/4	181,223	3/4	166,171	3/4	151,119	3/4	136,067	3/4	121,015	3/4	105,964	3/4	90,912	3/4	75,860	3/4	60,808	3/4	45,756	3/4	30,705	3/4	15,762	3/4	2,005
3	3	3	210,943	3	195,961	3	180,909	3	165,857	3	150,805	3	135,754	3	120,702	3	105,650	3	90,598	3	75,546	3	60,495	3	45,443	3	30,391	3	15,462	3	1,752
	1/4	1/4	210,652	1/4	195,647	1/4	180,595	1/4	165,544	1/4	150,492	1/4	135,440	1/4	120,388	1/4	105,336	1/4	90,285	1/4	75,233	1/4	60,181	1/4	45,129	1/4	30,077	1/4	15,161	1/4	1,500
	1/2	1/2	210,362	1/2	195,334	1/2	180,282	1/2	165,230	1/2	150,178	1/2	135,126	1/2	120,075	1/2	105,023	1/2	89,971	1/2	74,919	1/2	59,867	1/2	44,816	1/2	29,764	1/2	14,860	1/2	1,301
	3/4	3/4	210,072	3/4	195,020	3/4	180,968	3/4	164,916	3/4	149,865	3/4	134,813	3/4	119,761	3/4	104,709	3/4	89,657	3/4	74,606	3/4	59,554	3/4	44,502	3/4	29,450	3/4	14,560	3/4	1,102
4	4	4	209,758	4	194,706	4	179,655	4	164,603	4	149,551	4	134,499	4	119,447	4	104,396	4	89,344	4	74,292	4	59,240	4	44,189	4	29,137	4	14,259	4	* 903
	1/4	1/4	209,445	1/4	194,393	1/4	179,341	1/4	164,289	1/4	149,237	1/4	134,186	1/4	119,134	1/4	104,082	1/4	89,030	1/4	73,979	1/4	58,927	1/4	43,875	1/4	28,823	1/4	13,958	1/4	
	1/2	1/2	209,131	1/2	194,079	1/2	179,027	1/2	163,976	1/2	148,924	1/2	133,872	1/2	118,820	1/2	103,769	1/2	88,717	1/2	73,665	1/2	58,613	1/2	43,561	1/2	28,510	1/2	13,663	1/2	
	3/4	3/4	208,817	3/4	193,766	3/4	178,714	3/4	163,662	3/4	148,610	3/4	133,559	3/4	118,507	3/4	103,455	3/4	88,403	3/4	73,351	3/4	53,248	3/4	28,196	3/4	13,367	3/4			
5	5	5	208,504	5	193,452	5	178,400	5	163,349	5	148,297	5	133,245	5	118,193	5	103,141	5	88,090	5	73,038	5	57,986	5	42,934	5	27,882	5	13,072	5	
	1/4	1/4	208,190	1/4	193,139	1/4	178,087	1/4	163,035	1/4	147,983	1/4	132,931	1/4	117,880	1/4	102,828	1/4	87,776	1/4	72,724	1/4	57,672	1/4	42,621	1/4	27,569	1/4	12,776	1/4	
	1/2	1/2	207,877	1/2	192,825	1/2	177,773	1/2	162,721	1/2	147,670	1/2	132,618	1/2	117,566	1/2	102,514	1/2	87,462	1/2	72,411	1/2	57,359	1/2	42,307	1/2	27,255	1/2	12,480	1/2	
	3/4	3/4	207,563	3/4	192,511	3/4	177,460	3/4	147,356	3/4	132,304	3/4	117,252	3/4	102,201	3/4	87,149	3/4	72,097	3/4	57,045	3/4	41,993	3/4	26,942	3/4	12,185	3/4			
6	6	6	207,250	6	192,198	6	177,146	6	162,094	6	147,042	6	131,991	6	116,939	6	101,887	6	86,835	6	71,783	6	56,732	6	41,680	6	26,628	6	11,889	6	
	1/4	1/4	206,936	1/4	191,884	1/4	176,832	1/4	161,781	1/4	146,729	1/4	131,677	1/4	116,625	1/4	101,573	1/4	86,522	1/4	71,470	1/4	56,418	1/4	41,366	1/4	26,315	1/4	11,594	1/4	
	1/2	1/2	206,622	1/2	191,571	1/2	176,519	1/2	161,467	1/2	146,415	1/2	131,363	1/2	116,312	1/2	101,260	1/2	86,208	1/2	71,156	1/2	56,105	1/2	41,053	1/2	26,001	1/2	11,303	1/2	
	3/4	3/4	206,309	3/4	191,257	3/4	176,205	3/4	161,153	3/4	146,102	3/4	131,050	3/4	115,998	3/4	100,946	3/4	85,895	3/4	70,843	3/4	55,791	3/4	40,739	3/4	25,687	3/4	11,013	3/4	
7	7	7	205,995	7	190,943	7	175,892	7	160,840	7	145,788	7	130,736	7	115,685	7	100,633	7	85,581	7	70,529	7	55,477	7	40,426	7	25,374	7	10,722	7	
	1/4	1/4	205,682	1/4	190,630	1/4	175,578	1/4	160,526	1/4	145,475	1/4	130,423	1/4	115,371	1/4	100,319	1/4	85,267	1/4	70,216	1/4	55,164	1/4	40,112	1/4	25,060	1/4	10,432	1/4	
	1/2	1/2	205,368	1/2	190,316	1/2	175,265	1/2	160,213	1/2	145,161	1/2	130,109	1/2	115,057	1/2	100,006	1/2	84,954	1/2	69,902	1/2	54,850	1/2	39,798	1/2	24,747	1/2	10,142	1/	



BARGE "HFL-403"

HINES FURLONG LINE

OUTAGE TABLE

2 PORT

HULL NO. 4594

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	
0	0	215,776	0	202,471	0	187,414	0	172,320	0	157,226	0	142,132	0	127,038	0	111,944	0	96,850	0	81,756	0	66,662	0	51,568	0
1/4	1/4	215,672	1/4	202,159	1/4	187,099	1/4	172,005	1/4	156,911	1/4	141,818	1/4	126,724	1/4	111,630	1/4	96,536	1/4	81,442	1/4	66,348	1/4	51,254	1/4
1/2	1/2	215,521	1/2	201,847	1/2	186,785	1/2	171,691	1/2	156,597	1/2	141,503	1/2	126,409	1/2	111,315	1/2	96,221	1/2	81,127	1/2	66,033	1/2	50,939	1/2
3/4	3/4	215,369	3/4	201,535	3/4	186,470	3/4	171,377	3/4	156,283	3/4	141,189	3/4	126,095	3/4	111,001	3/4	95,907	3/4	80,813	3/4	65,719	3/4	50,625	3/4
1	1	215,218	1	201,223	1	186,156	1	171,062	1	155,968	1	140,874	1	125,780	1	110,686	1	95,592	1	80,498	1	65,405	1	50,311	1
1/4	1/4	215,067	1/4	200,911	1/4	185,842	1/4	170,748	1/4	155,654	1/4	140,560	1/4	125,466	1/4	110,372	1/4	95,278	1/4	80,184	1/4	65,090	1/4	49,996	1/4
1/2	1/2	214,869	1/2	200,599	1/2	185,527	1/2	170,433	1/2	155,339	1/2	140,245	1/2	125,151	1/2	110,057	1/2	94,963	1/2	79,870	1/2	64,776	1/2	49,682	1/2
3/4	3/4	214,671	3/4	200,287	3/4	185,213	3/4	170,119	3/4	155,025	3/4	139,931	3/4	124,837	3/4	109,743	3/4	94,649	3/4	79,555	3/4	64,461	3/4	49,367	3/4
2	2	214,474	2	199,975	2	184,898	2	169,804	2	154,710	2	139,616	2	124,522	2	109,428	2	94,335	2	79,241	2	64,147	2	49,053	2
1/4	1/4	214,276	1/4	199,663	1/4	184,584	1/4	169,490	1/4	154,396	1/4	139,302	1/4	124,208	1/4	109,114	1/4	94,020	1/4	78,926	1/4	63,832	1/4	48,738	1/4
1/2	1/2	214,032	1/2	199,351	1/2	184,269	1/2	169,175	1/2	154,081	1/2	138,987	1/2	123,894	1/2	108,800	1/2	93,706	1/2	78,612	1/2	63,518	1/2	48,424	1/2
3/4	3/4	213,787	3/4	199,039	3/4	183,955	3/4	168,861	3/4	153,767	3/4	138,673	3/4	123,579	3/4	108,485	3/4	93,391	3/4	78,297	3/4	63,203	3/4	48,109	3/4
3	3	213,543	3	198,727	3	183,640	3	168,546	3	153,452	3	138,359	3	123,265	3	108,171	3	93,077	3	77,983	3	62,889	3	47,795	3
1/4	1/4	213,299	1/4	198,415	1/4	183,326	1/4	168,232	1/4	153,138	1/4	138,044	1/4	122,950	1/4	107,856	1/4	92,762	1/4	77,668	1/4	62,574	1/4	47,480	1/4
1/2	1/2	213,010	1/2	198,103	1/2	183,011	1/2	167,917	1/2	152,824	1/2	137,730	1/2	122,636	1/2	107,542	1/2	92,448	1/2	77,354	1/2	62,260	1/2	47,166	1/2
3/4	3/4	212,721	3/4	197,791	3/4	182,697	3/4	167,603	3/4	152,509	3/4	137,415	3/4	122,321	3/4	107,227	3/4	92,133	3/4	77,039	3/4	61,945	3/4	46,852	3/4
4	4	212,432	4	197,476	4	182,383	4	167,289	4	152,195	4	137,101	4	122,007	4	106,913	4	91,819	4	76,725	4	61,631	4	46,537	4
1/4	1/4	212,144	1/4	197,162	1/4	182,068	1/4	166,974	1/4	151,880	1/4	136,786	1/4	121,692	1/4	106,598	1/4	91,504	1/4	76,411	1/4	61,317	1/4	46,223	1/4
1/2	1/2	211,832	1/2	196,848	1/2	181,754	1/2	166,660	1/2	151,566	1/2	136,472	1/2	121,378	1/2	106,284	1/2	91,190	1/2	76,096	1/2	61,002	1/2	45,908	1/2
3/4	3/4	211,530	3/4	196,533	3/4	181,439	3/4	166,345	3/4	151,251	3/4	136,157	3/4	121,063	3/4	105,969	3/4	90,876	3/4	75,782	3/4	60,688	3/4	45,594	3/4
5	5	211,208	5	196,219	5	181,125	5	166,031	5	150,937	5	145,843	5	120,749	5	105,655	5	90,561	5	75,467	5	60,373	5	45,279	5
1/4	1/4	210,896	1/4	195,904	1/4	180,810	1/4	165,716	1/4	150,622	1/4	135,528	1/4	120,434	1/4	105,341	1/4	90,247	1/4	75,153	1/4	60,059	1/4	44,965	1/4
1/2	1/2	210,584	1/2	195,590	1/2	180,496	1/2	165,402	1/2	150,308	1/2	135,214	1/2	120,120	1/2	105,026	1/2	89,932	1/2	74,838	1/2	59,744	1/2	44,650	1/2
3/4	3/4	210,272	3/4	195,275	3/4	180,181	3/4	165,087	3/4	149,993	3/4	134,900	3/4	119,806	3/4	104,712	3/4	89,618	3/4	74,524	3/4	59,430	3/4	44,336	3/4
6	6	209,960	6	194,961	6	179,867	6	164,773	6	149,679	6	134,585	6	119,491	6	104,397	6	89,303	6	74,209	6	59,115	6	44,021	6
1/4	1/4	209,648	1/4	194,646	1/4	179,552	1/4	164,458	1/4	149,365	1/4	134,271	1/4	119,177	1/4	104,083	1/4	88,989	1/4	73,895	1/4	58,801	1/4	43,707	1/4
1/2	1/2	209,336	1/2	194,332	1/2	179,238	1/2	164,144	1/2	149,050	1/2	133,956	1/2	118,862	1/2	103,768	1/2	88,674	1/2	73,580	1/2	58,486	1/2	43,393	1/2
3/4	3/4	209,024	3/4	194,017	3/4	178,923	3/4	163,830	3/4	148,736	3/4	133,642	3/4	118,548	3/4	103,454	3/4	88,360	3/4	73,266	3/4	58,172	3/4	43,078	3/4
7	7	208,712	7	193,703	7	178,609	7	163,515	7	148,421	7	133,327	7	118,233	7	103,139	7	88,045	7	72,951	7	57,858	7	42,764	7
1/4	1/4	208,399	1/4	193,389	1/4	178,295	1/4	163,201	1/4	148,107	1/4	133,013	1/4	117,919	1/4	102,825	1/4	87,731	1/4	72,637	1/4	57,543	1/4	42,449	1/4
1/2	1/2	208,087	1/2	193,074	1/2	177,980	1/2	162,886	1/2	147,792	1/2	132,698	1/2	117,604	1/2	102,510	1/2	87,416	1/2	72,323	1/2	57,229	1/2	42,135	1/2
3/4	3/4	207,775	3/4	192,760	3/4	177,666	3/4	162,572	3/4	147,478	3/4	132,384	3/4	117,290	3/4	102,196	3/4	87,102	3/4	72,008	3/4	56,914	3/4	41,820	3/4
8	8	207,463	8	192,445	8	177,351	8	162,257	8	147,163	8	132,069	8	116,975	8	101,882	8	86,788	8	71,694	8	56,600	8	41,506	8
1/4	1/4	207,151	1/4	192,131	1/4	177,037	1/4	161,943	1/4	146,849	1/4	131,755	1/4	116,661	1/4	101,567	1/4	86,473	1/4	71,379	1/4	56,285	1/4	41,191	1/4
1/2	1/2	206,839	1/2	191,816	1/2	176,722	1/2	161,628	1/2	146,534	1/2	131,440	1/2	116,347	1/2	101,253	1/2	86,159	1/2	71,065	1/2	55,971	1/2	40,877	1/2
3/4	3/4	206,527	3/4	191,502	3/4	176,408	3/4	161,314	3/4	146,220	3/4	131,126	3/4	116,032	3/4	100,938	3/4	85,844	3/4	70,750	3/4	55,656	3/4	40,562	3/4
9	9	206,215	9	191,187	9	176,093	9	160,999	9	145,906	9	130,812	9	115,718	9	100,624	9	85,530	9	70,436	9	55,342	9	40,248	9
1/4	1/4	205,903	1/4	190,873	1/4	175,779	1/4	160,685	1/4	145,591	1/4	130,497	1/4	115,403	1/4	100,309	1/4	85,215	1/4	70,121	1/4	55,027	1/4	39,933	1/4



BARGE "HFL-403"

HINES FURLONG LINE

OUTAGE TABLE

2 STAR

HULL NO. 4594

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

	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 1/4 1/2 3/4	0	215,776	0	202,471	0	187,414	0	172,320	0	157,226	0	142,132	0	127,038	0	111,944	0	96,850	0	81,756	0	66,662	0	51,568	0	36,474	0	21,381	0	6,287	
	1/4	215,672	1/4	202,159	1/4	187,099	1/4	172,005	1/4	156,911	1/4	141,818	1/4	126,724	1/4	111,630	1/4	96,536	1/4	81,442	1/4	66,348	1/4	51,254	1/4	36,160	1/4	21,066	1/4	5,972	
	1/2	215,521	1/2	201,847	1/2	186,785	1/2	171,691	1/2	156,597	1/2	141,503	1/2	126,409	1/2	111,315	1/2	96,221	1/2	81,127	1/2	66,033	1/2	50,939	1/2	35,846	1/2	20,752	1/2	5,658	
	3/4	215,369	3/4	201,535	3/4	186,470	3/4	171,377	3/4	156,283	3/4	141,189	3/4	126,095	3/4	111,001	3/4	95,907	3/4	80,813	3/4	65,719	3/4	50,625	3/4	35,531	3/4	20,437	3/4	5,343	
1 1/4 1/2 3/4	1	215,218	1	201,223	1	186,156	1	171,062	1	155,968	1	140,874	1	125,780	1	110,686	1	95,592	1	80,498	1	65,405	1	50,311	1	35,217	1	20,123	1	5,029	
	1/4	215,067	1/4	200,911	1/4	185,842	1/4	170,748	1/4	155,654	1/4	140,560	1/4	125,466	1/4	110,372	1/4	95,278	1/4	80,184	1/4	65,080	1/4	49,996	1/4	34,902	1/4	19,808	1/4	4,714	
	1/2	214,869	1/2	200,599	1/2	185,527	1/2	170,433	1/2	155,339	1/2	140,245	1/2	125,151	1/2	110,057	1/2	94,963	1/2	79,870	1/2	64,776	1/2	49,682	1/2	34,588	1/2	19,494	1/2	4,400	
	3/4	214,671	3/4	200,287	3/4	185,213	3/4	170,119	3/4	155,025	3/4	139,931	3/4	124,837	3/4	109,743	3/4	94,649	3/4	79,555	3/4	64,461	3/4	49,367	3/4	34,273	3/4	19,179	3/4	4,085	
2 1/4 1/2 3/4	2	214,474	2	199,975	2	184,898	2	169,804	2	154,710	2	139,616	2	124,522	2	109,428	2	94,335	2	79,241	2	64,147	2	49,053	2	33,959	2	18,865	2	3,771	
	1/4	214,276	1/4	199,663	1/4	184,584	1/4	169,490	1/4	154,396	1/4	139,302	1/4	124,208	1/4	109,114	1/4	94,020	1/4	78,926	1/4	63,832	1/4	48,738	1/4	33,644	1/4	18,550	1/4	3,456	
	1/2	214,032	1/2	199,351	1/2	184,269	1/2	169,175	1/2	154,081	1/2	138,987	1/2	123,894	1/2	108,800	1/2	93,706	1/2	78,612	1/2	63,518	1/2	48,424	1/2	33,330	1/2	18,236	1/2	3,142	
	3/4	213,787	3/4	199,039	3/4	183,955	3/4	168,861	3/4	153,767	3/4	138,673	3/4	123,579	3/4	108,485	3/4	93,391	3/4	78,297	3/4	63,203	3/4	48,109	3/4	33,015	3/4	17,922	3/4	2,828	
3 1/4 1/2 3/4	3	213,543	3	198,727	3	183,640	3	168,546	3	153,452	3	138,359	3	123,265	3	108,171	3	93,077	3	77,983	3	62,889	3	47,795	3	32,701	3	17,607	3	2,513	
	1/4	213,299	1/4	198,415	1/4	183,326	1/4	168,232	1/4	153,138	1/4	138,044	1/4	122,950	1/4	107,856	1/4	92,762	1/4	77,668	1/4	62,574	1/4	47,480	1/4	32,387	1/4	17,293	1/4	2,199	
	1/2	213,010	1/2	198,103	1/2	183,011	1/2	167,917	1/2	152,824	1/2	137,730	1/2	122,636	1/2	107,542	1/2	92,448	1/2	77,354	1/2	62,260	1/2	47,166	1/2	32,072	1/2	16,978	1/2	1,907	
	3/4	212,721	3/4	197,791	3/4	182,697	3/4	167,603	3/4	152,509	3/4	137,415	3/4	122,321	3/4	107,227	3/4	92,133	3/4	77,039	3/4	61,945	3/4	46,852	3/4	31,758	3/4	16,664	3/4	1,615	
4 1/4 1/2 3/4	4	212,432	4	197,476	4	182,383	4	167,289	4	152,195	4	137,101	4	122,007	4	106,913	4	91,819	4	76,725	4	61,631	4	46,537	4	31,443	4	16,349	4	1,391	
	1/4	212,144	1/4	197,162	1/4	182,068	1/4	166,974	1/4	151,880	1/4	136,786	1/4	121,692	1/4	106,598	1/4	91,504	1/4	76,411	1/4	61,317	1/4	46,223	1/4	31,129	1/4	16,035	1/4	1,166	
	1/2	211,832	1/2	196,848	1/2	181,754	1/2	166,660	1/2	151,566	1/2	136,472	1/2	121,378	1/2	106,284	1/2	91,190	1/2	76,096	1/2	61,002	1/2	45,908	1/2	30,814	1/2	15,720	1/2	* 942	
	3/4	211,520	3/4	196,533	3/4	181,439	3/4	166,345	3/4	151,251	3/4	136,157	3/4	121,063	3/4	105,969	3/4	90,876	3/4	75,782	3/4	60,688	3/4	45,594	3/4	30,500	3/4	18,406	3/4		
5 1/4 1/2 3/4	5	211,208	5	196,219	5	181,125	5	166,031	5	150,937	5	135,843	5	120,749	5	105,655	5	90,561	5	75,467	5	60,373	5	50,185	5	15,091	5				
	1/4	210,896	1/4	195,904	1/4	180,810	1/4	165,716	1/4	150,622	1/4	135,528	1/4	120,434	1/4	105,341	1/4	90,247	1/4	75,153	1/4	60,059	1/4	44,965	1/4	29,871	1/4	14,777	1/4		
	1/2	210,584	1/2	195,590	1/2	180,496	1/2	165,402	1/2	150,308	1/2	135,214	1/2	120,120	1/2	105,026	1/2	89,932	1/2	74,838	1/2	69,744	1/2	44,650	1/2	29,556	1/2	14,462	1/2		
	3/4	210,272	3/4	195,275	3/4	180,181	3/4	165,087	3/4	149,993	3/4	134,900	3/4	119,806	3/4	104,712	3/4	89,618	3/4	74,524	3/4	59,430	3/4	44,336	3/4	29,242	3/4	14,148	3/4		
6 1/4 1/2 3/4	6	209,960	6	194,961	6	179,867	6	164,773	6	149,679	6	134,585	6	119,491	6	104,397	6	89,303	6	74,209	6	69,115	6	44,021	6	28,927	6	13,834	6		
	1/4	209,648	1/4	194,646	1/4	179,552	1/4	164,458	1/4	149,365	1/4	134,271	1/4	119,177	1/4	104,083	1/4	88,989	1/4	73,895	1/4	58,801	1/4	43,707	1/4	28,613	1/4	13,519	1/4		
	1/2	209,336	1/2	194,332	1/2	179,238	1/2	164,144	1/2	149,050	1/2	133,956	1/2	118,862	1/2	103,768	1/2	88,674	1/2	73,580	1/2	58,486	1/2	43,393	1/2	28,299	1/2	13,205	1/2		
	3/4	209,024	3/4	194,017	3/4	178,923	3/4	163,830	3/4	148,736	3/4	133,642	3/4	118,548	3/4	103,454	3/4	88,360	3/4	73,266	3/4	58,172	3/4	43,078	3/4	27,984	3/4	12,890	3/4		
7 1/4 1/2 3/4	7	208,712	7	193,703	7	178,609	7	163,515	7	148,421	7	133,327	7	118,233	7	103,139	7	88,045	7	72,951	7	57,858	7	42,764	7	27,670	7	12,576	7		
	1/4	208,399	1/4	193,389	1/4	178,295	1/4	163,201	1/4	148,107	1/4	133,013	1/4	117,919	1/4	102,825	1/4	87,731	1/4	72,637	1/4	57,543	1/4	42,449	1/4	27,355	1/4	12,261	1/4		
	1/2	208,087	1/2	193,074	1/2	177,980	1/2	162,886	1/2	147,792	1/2	132,698	1/2	117,604	1/2	102,510	1/2	87,416	1/2	72,323	1/2	57,229	1/2	42,135	1/2	27,041	1/2	11,947	1/2		
	3/4	207,775	3/4	192,760	3/4	177,666	3/4	162,572</																							



BARGE "HFL-403"

HINES FURLONG LINE

OUTAGE TABLE

3 PORT

HULL NO. 4594

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

	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	194,235	0	184,716	0	174,277	0	163,839	0	153,401	0	140,897	0	125,862	0	110,827	0	95,792	0	80,757	0	65,722	0	50,687	0	35,679	0	20,673	0	5,636		
1/4		1/4	194,130	1/4	184,498	1/4	174,060	1/4	163,622	1/4	153,183	1/4	140,584	1/4	125,549	1/4	110,514	1/4	95,479	1/4	80,444	1/4	65,409	1/4	50,374	1/4	35,367	1/4	20,360	1/4	5,322		
1/2		1/2	194,026	1/2	184,281	1/2	173,842	1/2	163,404	1/2	152,966	1/2	140,271	1/2	125,236	1/2	110,201	1/2	95,166	1/2	80,131	1/2	65,096	1/2	50,061	1/2	35,055	1/2	20,047	1/2	5,009		
3/4		3/4	193,921	3/4	184,063	3/4	173,625	3/4	163,187	3/4	152,748	3/4	139,958	3/4	124,923	3/4	109,888	3/4	94,853	3/4	79,817	3/4	64,782	3/4	49,747	3/4	34,743	3/4	19,733	3/4	4,696		
1		1	193,784	1	183,846	1	173,407	1	162,969	1	152,531	1	139,645	1	124,609	1	109,574	1	94,539	1	79,504	1	64,469	1	49,434	1	34,431	1	19,420	1	4,383		
1/4		1/4	193,647	1/4	183,628	1/4	173,190	1/4	162,752	1/4	152,314	1/4	139,331	1/4	124,296	1/4	109,261	1/4	94,226	1/4	79,191	1/4	64,156	1/4	49,121	1/4	34,119	1/4	19,107	1/4	4,069		
1/2		1/2	193,510	1/2	183,411	1/2	172,973	1/2	162,534	1/2	152,096	1/2	139,018	1/2	123,983	1/2	108,948	1/2	93,913	1/2	78,878	1/2	63,843	1/2	48,808	1/2	33,807	1/2	18,793	1/2	3,756		
3/4		3/4	193,374	3/4	183,193	3/4	172,755	3/4	162,317	3/4	151,879	3/4	138,705	3/4	123,670	3/4	108,635	3/4	93,600	3/4	78,565	3/4	63,529	3/4	48,494	3/4	33,495	3/4	18,480	3/4	3,443		
2		2	193,205	2	182,976	2	172,538	2	162,099	2	151,661	2	138,392	2	123,357	2	108,321	2	93,286	2	78,251	2	63,216	2	48,181	2	33,183	2	18,167	2	3,129		
1/4		1/4	193,035	1/4	182,758	1/4	172,320	1/4	161,882	1/4	151,444	1/4	138,078	1/4	123,043	1/4	108,008	1/4	92,973	1/4	77,938	1/4	62,903	1/4	47,868	1/4	32,871	1/4	17,854	1/4	2,816		
1/2		1/2	192,866	1/2	182,541	1/2	172,103	1/2	161,664	1/2	151,226	1/2	137,765	1/2	122,730	1/2	107,695	1/2	92,660	1/2	77,625	1/2	62,590	1/2	47,555	1/2	32,559	1/2	17,540	1/2	2,503		
3/4		3/4	192,697	3/4	182,323	3/4	171,885	3/4	161,447	3/4	151,009	3/4	137,452	3/4	122,417	3/4	107,382	3/4	92,347	3/4	77,312	3/4	62,277	3/4	47,241	3/4	32,247	3/4	17,227	3/4	2,190		
3		3	192,496	3	182,106	3	171,668	3	161,230	3	150,791	3	137,139	3	122,104	3	107,069	3	92,033	3	76,998	3	61,963	3	46,928	3	31,935	3	16,914	3	1,899		
1/4		1/4	192,294	1/4	181,889	1/4	171,450	1/4	161,012	1/4	150,574	1/4	136,825	1/4	121,790	1/4	106,755	1/4	91,720	1/4	76,685	1/4	61,650	1/4	46,615	1/4	31,623	1/4	16,600	1/4	1,608		
1/2		1/2	192,093	1/2	181,671	1/2	171,233	1/2	160,795	1/2	150,351	1/2	136,512	1/2	121,477	1/2	106,442	1/2	91,407	1/2	76,372	1/2	61,337	1/2	46,302	1/2	31,311	1/2	16,287	1/2	1,384		
3/4		3/4	191,892	3/4	181,454	3/4	171,015	3/4	160,577	3/4	150,128	3/4	136,199	3/4	121,164	3/4	106,129	3/4	91,094	3/4	76,059	3/4	61,024	3/4	45,989	3/4	30,999	3/4	15,974	3/4	1,161		
4		4	191,674	4	181,236	4	170,798	4	160,360	4	149,905	4	135,886	4	120,851	4	105,816	4	90,781	4	75,745	4	60,710	4	45,675	4	30,687	4	15,661	4	* 937		
1/4		1/4	191,457	1/4	181,019	1/4	170,580	1/4	160,142	1/4	149,670	1/4	130,537	1/4	105,502	1/4	90,467	1/4	75,432	1/4	60,397	1/4	45,362	1/4	30,375	1/4	15,347	1/4	1,347				
1/2		1/2	191,239	1/2	180,801	1/2	170,363	1/2	159,925	1/2	149,435	1/2	135,259	1/2	120,224	1/2	105,189	1/2	90,154	1/2	75,119	1/2	60,084	1/2	45,049	1/2	30,063	1/2	15,034	1/2	1,034		
3/4		3/4	191,022	3/4	180,584	3/4	170,146	3/4	159,707	3/4	149,200	3/4	134,946	3/4	119,911	3/4	104,876	3/4	89,841	3/4	74,806	3/4	59,771	3/4	44,736	3/4	29,751	3/4	14,721	3/4	1,721		
5		5	190,804	5	180,366	5	169,928	5	159,490	5	148,964	5	134,633	5	119,598	5	104,563	5	98,528	5	74,493	5	59,457	5	44,422	5	29,439	5	14,408	5	1,408		
1/4		1/4	190,587	1/4	180,149	1/4	169,711	1/4	159,272	1/4	148,715	1/4	134,320	1/4	119,285	1/4	104,249	1/4	89,214	1/4	74,179	1/4	59,144	1/4	44,109	1/4	29,127	1/4	14,094	1/4	1,094		
1/2		1/2	190,370	1/2	179,931	1/2	169,493	1/2	159,055	1/2	148,465	1/2	134,006	1/2	118,971	1/2	103,936	1/2	88,901	1/2	73,866	1/2	58,831	1/2	43,796	1/2	28,815	1/2	13,781	1/2	1,781		
3/4		3/4	190,152	3/4	179,714	3/4	177,974	3/4	168,276	3/4	158,837	3/4	148,216	3/4	133,693	3/4	118,658	3/4	103,623	3/4	88,588	3/4	73,553	3/4	58,518	3/4	43,483	3/4	28,503	3/4	13,468	3/4	1,468
6		6	189,935	6	179,496	6	169,058	6	158,620	6	147,966	6	133,380	6	118,345	6	103,310	6	88,275	6	73,240	6	58,205	6	43,169	6	28,191	6	13,154	6	1,154		
1/4		1/4	189,717	1/4	179,279	1/4	168,841	1/4	158,403	1/4	147,702	1/4	133,067	1/4	118,032	1/4	102,997	1/4	87,961	1/4	72,926	1/4	57,891	1/4	42,856	1/4	27,879	1/4	12,841	1/4	1,841		
1/2		1/2	189,500	1/2	179,061	1/2	168,623	1/2	158,185	1/2	147,438	1/2	132,753	1/2	117,718	1/2	102,683	1/2	87,648	1/2	72,613	1/2	57,578	1/2	42,544	1/2	27,565	1/2	12,528	1/2	1,528		
3/4		3/4	189,282	3/4	178,844	3/4	168,406	3/4	157,968	3/4	147,175	3/4	132,440	3/4	117,405	3/4	102,370	3/4	87,335	3/4	72,300	3/4	57,265	3/4	42,232	3/4	27,252	3/4	12,215	3/4	1,215		
7		7	189,065	7	178,627	7	168,188	7	157,750	7	146,911	7	132,127	7	117,092	7	102,057	7	87,022	7	71,987	7	56,952	7	41,920	7	26,939	7	11,901	7	1,901		
1/4		1/4	188,847	1/4	178,409	1/4	167,971	1/4	157,533	1/4	146,633	1/4	131,814	1/4	116,779	1/4	101,744	1/4	86,709	1/4	71,673	1/4	56,638	1/4	41,608	1/4	26,625	1/4	11,588	1/4	1,588		
1/2		1/2	188,630	1/2	178,192	1/2	167,753	1/2	157,315	1/2	146,355	1/2	131,501	1/2	116,465	1/2	101,430	1/2	86,395	1/2	71,360	1/2	56,325	1/2	41,296	1/2	26,312	1/2	11,275	1/2	1,275		
3/4		3/4	188,412	3/4	177,974	3/4</																											



BARGE "HFL-403"

HINES FURLONG LINE

OUTAGE TABLE

3 STAR

HULL NO. 4594

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	194,235	0	184,716	0	174,277	0	163,839	0	153,401	0	140,897	0	125,862	0	110,827	0	95,792	0	80,757	0	65,722	0	50,687	0	35,679	0	20,673	0	5,636
1/4		1/4	194,130	1/4	184,498	1/4	174,060	1/4	163,622	1/4	153,183	1/4	140,584	1/4	125,549	1/4	110,514	1/4	95,479	1/4	80,444	1/4	65,409	1/4	50,374	1/4	35,367	1/4	20,360	1/4	5,322
1/2		1/2	194,026	1/2	184,281	1/2	173,842	1/2	163,404	1/2	152,966	1/2	140,271	1/2	125,236	1/2	110,201	1/2	95,166	1/2	80,131	1/2	65,096	1/2	50,061	1/2	35,055	1/2	20,047	1/2	5,009
3/4		3/4	193,921	3/4	184,063	3/4	173,625	3/4	163,187	3/4	152,748	3/4	139,958	3/4	124,923	3/4	109,888	3/4	94,853	3/4	79,817	3/4	64,782	3/4	49,747	3/4	34,743	3/4	19,733	3/4	4,696
1		1	193,784	1	183,846	1	173,407	1	162,969	1	152,531	1	139,645	1	124,609	1	109,574	1	94,539	1	79,504	1	64,469	1	49,434	1	34,431	1	19,420	1	4,383
1/4		1/4	193,647	1/4	183,628	1/4	173,190	1/4	162,752	1/4	152,314	1/4	139,331	1/4	124,296	1/4	109,261	1/4	94,226	1/4	79,191	1/4	64,156	1/4	49,121	1/4	34,119	1/4	19,107	1/4	4,069
1/2		1/2	193,510	1/2	183,411	1/2	172,973	1/2	162,534	1/2	152,096	1/2	139,018	1/2	123,983	1/2	108,948	1/2	93,913	1/2	78,878	1/2	63,843	1/2	48,808	1/2	33,807	1/2	18,793	1/2	3,756
3/4		3/4	193,374	3/4	183,193	3/4	172,755	3/4	162,317	3/4	151,879	3/4	138,705	3/4	123,670	3/4	108,635	3/4	93,600	3/4	78,565	3/4	63,529	3/4	48,494	3/4	33,495	3/4	18,480	3/4	3,443
2		2	193,205	2	182,976	2	172,538	2	162,099	2	151,661	2	138,392	2	123,357	2	108,321	2	93,286	2	78,251	2	63,216	2	48,181	2	33,183	2	18,167	2	3,129
1/4		1/4	193,035	1/4	182,758	1/4	172,320	1/4	161,882	1/4	151,444	1/4	138,078	1/4	123,043	1/4	108,008	1/4	92,973	1/4	77,938	1/4	62,903	1/4	47,868	1/4	32,871	1/4	17,854	1/4	2,816
1/2		1/2	192,866	1/2	182,541	1/2	172,103	1/2	161,664	1/2	151,226	1/2	137,765	1/2	122,730	1/2	107,695	1/2	92,660	1/2	77,625	1/2	62,590	1/2	47,555	1/2	32,559	1/2	17,540	1/2	2,503
3/4		3/4	192,697	3/4	182,323	3/4	171,885	3/4	161,447	3/4	151,009	3/4	137,452	3/4	122,417	3/4	107,382	3/4	92,347	3/4	77,312	3/4	62,277	3/4	47,241	3/4	32,247	3/4	17,227	3/4	2,190
3		3	192,496	3	182,106	3	171,668	3	161,230	3	150,791	3	137,139	3	122,104	3	107,069	3	92,033	3	76,998	3	61,963	3	46,928	3	31,935	3	16,914	3	1,899
1/4		1/4	192,294	1/4	181,889	1/4	171,450	1/4	161,012	1/4	150,574	1/4	136,825	1/4	121,790	1/4	106,755	1/4	91,720	1/4	76,685	1/4	61,650	1/4	46,615	1/4	31,623	1/4	16,600	1/4	1,608
1/2		1/2	192,093	1/2	181,671	1/2	171,233	1/2	160,795	1/2	150,351	1/2	136,512	1/2	121,477	1/2	106,442	1/2	91,407	1/2	76,372	1/2	61,337	1/2	46,302	1/2	31,311	1/2	16,287	1/2	1,384
3/4		3/4	191,892	3/4	181,454	3/4	171,015	3/4	160,577	3/4	150,128	3/4	136,199	3/4	121,164	3/4	106,129	3/4	91,094	3/4	76,059	3/4	61,024	3/4	45,989	3/4	30,999	3/4	15,974	3/4	1,161
4		4	191,674	4	181,236	4	170,798	4	160,360	4	149,905	4	135,886	4	120,851	4	105,816	4	90,781	4	75,745	4	60,710	4	45,675	4	30,687	4	15,661	4	* 937
1/4		1/4	191,457	1/4	180,019	1/4	170,580	1/4	160,142	1/4	149,670	1/4	135,573	1/4	120,537	1/4	105,502	1/4	90,467	1/4	75,432	1/4	60,397	1/4	45,362	1/4	30,375	1/4	15,347	1/4	
1/2		1/2	191,239	1/2	180,801	1/2	170,363	1/2	159,925	1/2	149,435	1/2	135,259	1/2	120,224	1/2	105,189	1/2	90,154	1/2	75,119	1/2	60,084	1/2	45,049	1/2	30,063	1/2	15,034	1/2	
3/4		3/4	191,022	3/4	180,584	3/4	170,146	3/4	159,707	3/4	149,200	3/4	134,946	3/4	119,911	3/4	104,876	3/4	89,841	3/4	74,806	3/4	59,771	3/4	44,736	3/4	29,751	3/4	14,721	3/4	
5		5	190,804	5	180,366	5	169,928	5	159,490	5	148,964	5	134,633	5	119,598	5	104,563	5	89,528	5	74,493	5	59,457	5	44,422	5	29,439	5	14,408	5	
1/4		1/4	190,587	1/4	180,149	1/4	169,711	1/4	159,272	1/4	148,715	1/4	134,320	1/4	119,285	1/4	104,249	1/4	89,214	1/4	74,179	1/4	59,144	1/4	44,109	1/4	29,127	1/4	14,094	1/4	
1/2		1/2	190,370	1/2	179,931	1/2	169,493	1/2	159,055	1/2	148,465	1/2	134,006	1/2	118,971	1/2	103,936	1/2	88,901	1/2	73,866	1/2	58,831	1/2	43,796	1/2	28,815	1/2	13,781	1/2	
3/4		3/4	190,152	3/4	179,714	3/4	169,276	3/4	158,837	3/4	148,216	3/4	133,693	3/4	118,658	3/4	103,623	3/4	88,588	3/4	73,553	3/4	58,518	3/4	43,483	3/4	28,503	3/4	13,468	3/4	
6		6	189,935	6	179,496	6	169,058	6	158,620	6	147,966	6	133,380	6	118,345	6	103,310	6	88,275	6	73,240	6	58,205	6	43,169	6	28,191	6	13,154	6	
1/4		1/4	189,717	1/4	179,279	1/4	168,841	1/4	158,403	1/4	147,702	1/4	133,067	1/4	118,032	1/4	102,997	1/4	87,961	1/4	72,926	1/4	57,891	1/4	42,856	1/4	27,879	1/4	12,841	1/4	
1/2		1/2	189,500	1/2	179,061	1/2	168,623	1/2	158,185	1/2	147,438	1/2	132,753	1/2	117,718	1/2	102,683	1/2	87,648	1/2	72,613	1/2	57,578	1/2	42,544	1/2	27,565	1/2	12,528	1/2	
3/4		3/4	189,282	3/4	178,844	3/4	168,406	3/4	157,968	3/4	147,175	3/4	132,440	3/4	117,405	3/4	102,370	3/4	87,335	3/4	72,300	3/4	57,265	3/4	42,232	3/4	27,252	3/4	12,215	3/4	
7		7	189,065	7	178,627	7	168,188	7	157,750	7	146,911	7	132,127	7	117,092	7	102,057	7	87,022	7	71,987	7	56,952	7	41,920	7	26,939	7	11,901	7	
1/4		1/4	188,847	1/4	178,409	1/4	167,971	1/4	157,533	1/4	146,633	1/4	131,814	1/4	116,779	1/4	101,744	1/4	86,709	1/4	71,673	1/4	56,638	1/4	41,608	1/4	26,625	1/4	11,588	1/4	
1/2		1/2	188,630	1/2	178,192	1/2	167,753	1/2	157,315	1/2	146,355	1/2	131,501	1/2	116,465	1/2	101,430	1/2	86,395	1/2	71,360	1/2	56,325	1/2	41,296	1/2	26,312	1/2	11,275	1/2	
3/4		3/4	188,412	3/4	177,974	3/4	167,536	3/4	157,098	3/4	146,177	3/4	131,187	3/4																	



BARGE "HFL-403"

HINES FURLONG LINE

INNAGE TABLE

1 PORT

HULL NO. 4594

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	29,137	0	44,189	0	59,240	0	74,292	0	89,344	0	104,396	0	119,447	0	134,499	0	149,551	0	164,603	0	179,655	0	194,706	0	209,758
1/4	1,102	1/4	14,560	1/4	29,450	1/4	44,502	1/4	59,554	1/4	74,606	1/4	89,657	1/4	104,709	1/4	119,761	1/4	134,813	1/4	149,865	1/4	164,916	1/4	179,968	1/4	195,020	1/4	210,072
1/2	1,301	1/2	14,860	1/2	29,764	1/2	44,816	1/2	59,867	1/2	74,919	1/2	89,971	1/2	105,023	1/2	120,075	1/2	135,126	1/2	150,178	1/2	165,230	1/2	180,282	1/2	195,334	1/2	210,362
3/4	1,500	3/4	15,161	3/4	30,077	3/4	45,129	3/4	60,181	3/4	75,233	3/4	90,285	3/4	105,336	3/4	120,388	3/4	135,440	3/4	150,492	3/4	165,544	3/4	180,595	3/4	195,647	3/4	210,652
1	1,752	1	15,462	1	30,391	1	45,443	1	60,495	1	75,546	1	90,598	1	105,650	1	120,702	1	135,754	1	150,805	1	165,857	1	180,909	1	195,961	1	210,943
1/4	2,005	1/4	15,762	1/4	30,705	1/4	45,756	1/4	60,808	1/4	75,860	1/4	90,912	1/4	105,964	1/4	121,015	1/4	136,067	1/4	151,119	1/4	166,171	1/4	181,223	1/4	196,274	1/4	211,233
1/2	2,275	1/2	16,063	1/2	31,018	1/2	46,070	1/2	61,122	1/2	76,174	1/2	91,225	1/2	106,277	1/2	121,329	1/2	136,381	1/2	151,433	1/2	166,484	1/2	181,536	1/2	196,588	1/2	211,477
3/4	2,545	3/4	16,364	3/4	31,332	3/4	46,384	3/4	61,435	3/4	76,487	3/4	91,539	3/4	106,591	3/4	121,643	3/4	136,694	3/4	151,746	3/4	166,798	3/4	181,850	3/4	196,901	3/4	211,720
2	2,820	2	16,669	2	31,645	2	46,697	2	61,749	2	76,801	2	91,853	2	106,904	2	121,956	2	137,008	2	152,060	2	167,111	2	182,163	2	197,215	2	211,964
1/4	3,095	1/4	16,975	1/4	31,959	1/4	47,011	1/4	62,063	1/4	77,114	1/4	92,166	1/4	107,218	1/4	122,270	1/4	137,321	1/4	152,373	1/4	167,425	1/4	182,477	1/4	197,529	1/4	212,208
1/2	3,370	1/2	17,281	1/2	32,273	1/2	47,324	1/2	62,376	1/2	77,428	1/2	92,480	1/2	107,531	1/2	122,583	1/2	137,635	1/2	152,687	1/2	167,739	1/2	182,790	1/2	197,842	1/2	212,405
3/4	3,645	3/4	17,587	3/4	32,586	3/4	47,638	3/4	62,690	3/4	77,741	3/4	92,793	3/4	107,845	3/4	122,897	3/4	137,949	3/4	153,000	3/4	168,052	3/4	183,104	3/4	198,156	3/4	212,603
3	3,920	3	17,893	3	32,900	3	47,951	3	63,003	3	78,055	3	93,107	3	108,159	3	123,210	3	138,262	3	153,314	3	168,366	3	183,418	3	198,469	3	212,800
1/4	4,195	1/4	18,198	1/4	33,213	1/4	48,265	1/4	63,317	1/4	78,369	1/4	93,420	1/4	108,472	1/4	123,524	1/4	138,576	1/4	153,628	1/4	168,679	1/4	183,731	1/4	198,783	1/4	212,997
1/2	4,471	1/2	18,504	1/2	33,527	1/2	48,579	1/2	63,630	1/2	78,682	1/2	93,734	1/2	108,786	1/2	123,838	1/2	138,889	1/2	153,941	1/2	168,993	1/2	184,045	1/2	199,097	1/2	213,148
3/4	4,746	3/4	18,810	3/4	33,840	3/4	48,892	3/4	63,944	3/4	78,996	3/4	94,048	3/4	109,099	3/4	124,151	3/4	139,203	3/4	154,255	3/4	169,307	3/4	184,358	3/4	199,410	3/4	213,299
4	5,026	4	19,121	4	34,154	4	49,206	4	64,258	4	79,309	4	94,361	4	109,413	4	124,465	4	139,517	4	154,568	4	169,620	4	184,672	4	199,724	4	213,450
1/4	5,306	1/4	19,432	1/4	34,468	1/4	49,519	1/4	64,571	1/4	79,623	1/4	94,675	1/4	109,727	1/4	124,778	1/4	139,830	1/4	154,882	1/4	169,934	1/4	184,985	1/4	200,037	1/4	213,600
1/2	5,586	1/2	19,743	1/2	34,781	1/2	49,833	1/2	64,885	1/2	79,937	1/2	94,988	1/2	110,040	1/2	125,092	1/2	140,144	1/2	155,195	1/2	170,247	1/2	185,299	1/2	200,351	1/2	213,705
3/4	5,867	3/4	20,054	3/4	35,095	3/4	50,147	3/4	65,198	3/4	80,250	3/4	95,302	3/4	110,354	3/4	125,405	3/4	140,457	3/4	155,509	3/4	170,561	3/4	185,613	3/4	200,664	3/4	213,809
5	6,147	5	20,364	5	35,408	5	50,460	5	65,512	5	80,564	5	95,615	5	110,667	5	125,719	5	140,771	5	155,823	5	170,874	5	185,926	5	200,978	5	213,914
1/4	6,427	1/4	20,675	1/4	35,722	1/4	50,774	1/4	65,825	1/4	80,877	1/4	95,929	1/4	110,981	1/4	126,033	1/4	141,084	1/4	156,136	1/4	171,188	1/4	186,240	1/4	201,292	1/4	214,018
1/2	6,707	1/2	20,986	1/2	36,035	1/2	51,087	1/2	66,139	1/2	81,191	1/2	96,243	1/2	111,294	1/2	126,346	1/2	141,398	1/2	156,450	1/2	171,502	1/2	186,553	1/2	201,605	1/2	214,076
3/4	6,987	3/4	21,297	3/4	36,349	3/4	51,401	3/4	66,453	3/4	81,504	3/4	96,556	3/4	111,608	3/4	126,660	3/4	141,712	3/4	156,763	3/4	171,815	3/4	186,867	3/4	201,919	3/4	214,134
6	7,273	6	21,611	6	36,663	6	51,714	6	66,766	6	81,818	6	96,870	6	111,922	6	126,973	6	142,025	6	157,077	6	172,129	6	187,181	6	202,232	6	214,192
1/4	7,558	1/4	21,924	1/4	36,976	1/4	52,028	1/4	67,080	1/4	82,132	1/4	97,183	1/4	112,235	1/4	127,287	1/4	142,339	1/4	157,391	1/4	172,442	1/4	187,494	1/4	202,546	1/4	214,250
1/2	7,843	1/2	22,238	1/2	37,290	1/2	52,342	1/2	67,393	1/2	82,445	1/2	97,497	1/2	112,549	1/2	127,601	1/2	142,652	1/2	157,704	1/2	172,756	1/2	187,808	1/2	202,859	1/2	214,267
3/4	8,129	3/4	22,552	3/4	37,603	3/4	52,655	3/4	67,707	3/4	82,759	3/4	97,811	3/4	112,862	3/4	127,914	3/4	142,966	3/4	158,018	3/4	173,069	3/4	188,121	3/4	203,173	3/4	214,284
7	8,414	7	22,865	7	37,917	7	52,969	7	68,021	7	83,072	7	98,124	7	113,176	7	128,228	7	143,279	7	158,331	7	173,383	7	188,435	7	203,487	7	214,301
1/4	8,700	1/4	23,179	1/4	38,231	1/4	53,282	1/4	68,334	1/4	83,386	1/4	98,438	1/4	113,489	1/4	128,541	1/4	143,593	1/4	158,645	1/4	173,697	1/4	188,748	1/4	203,800	1/4	
1/2	8,985	1/2	23,492	1/2	38,544	1/2	53,596	1/2	68,648	1/2	83,699	1/2	98,751	1/2	113,803	1/2	128,855	1/2	143,907	1/2	158,958	1/2	174,010	1/2	189,062	1/2	204,114	1/2	
3/4	9,270	3/4	23,806	3/4	38,858	3/4	53,909	3/4	68,961	3/4	84,013	3/4	99,065	3/4	114,117	3/4	129,168	3/4	144,220	3/4	159,272	3/4	174,324	3/4	189,376	3/4	204,427	3/4	
8	9,561	8	24,119	8	39,171	8	54,223	8	69,275	8	84,327	8	99,378	8	114,430	8	1												



BARGE "HFL-403"

HINES FURLONG LINE

INNAGE TABLE

1 STAR

HULL NO. 4594

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	29,137	0	44,189	0	59,240	0	74,292	0	85,344	0	104,396	0	119,447	0	134,499	0	149,551	0	164,603	0	179,655	0	194,706	0	209,758
1/4	1,102	1/4	14,560	1/4	29,450	1/4	44,502	1/4	59,554	1/4	74,606	1/4	89,657	1/4	104,709	1/4	119,761	1/4	134,813	1/4	149,865	1/4	164,916	1/4	179,968	1/4	195,020	1/4	210,072
1/2	1,301	1/2	14,860	1/2	29,764	1/2	44,816	1/2	59,867	1/2	74,919	1/2	89,971	1/2	105,023	1/2	120,075	1/2	135,126	1/2	150,178	1/2	165,230	1/2	180,282	1/2	195,334	1/2	210,362
3/4	1,500	3/4	15,161	3/4	30,077	3/4	45,129	3/4	60,181	3/4	75,233	3/4	90,285	3/4	105,336	3/4	120,388	3/4	135,440	3/4	150,492	3/4	165,544	3/4	180,595	3/4	195,647	3/4	210,652
1	1,752	1	15,462	1	30,391	1	45,443	1	60,495	1	75,546	1	90,598	1	105,650	1	120,702	1	135,754	1	150,805	1	165,857	1	180,909	1	195,961	1	210,943
1/4	2,005	1/4	15,762	1/4	30,705	1/4	45,756	1/4	60,808	1/4	75,860	1/4	90,912	1/4	105,964	1/4	121,015	1/4	136,067	1/4	151,119	1/4	166,171	1/4	181,223	1/4	196,274	1/4	211,233
1/2	2,275	1/2	16,063	1/2	31,018	1/2	46,070	1/2	61,122	1/2	76,174	1/2	91,225	1/2	106,277	1/2	121,329	1/2	136,381	1/2	151,433	1/2	166,484	1/2	181,536	1/2	196,588	1/2	211,477
3/4	2,545	3/4	16,364	3/4	31,332	3/4	46,384	3/4	61,435	3/4	76,487	3/4	91,539	3/4	106,591	3/4	121,643	3/4	136,694	3/4	151,746	3/4	166,798	3/4	181,850	3/4	196,901	3/4	211,720
2	2,820	2	16,669	2	31,645	2	46,697	2	61,749	2	76,801	2	91,853	2	106,904	2	121,956	2	137,008	2	152,060	2	167,111	2	182,163	2	197,215	2	211,964
1/4	3,095	1/4	16,975	1/4	31,959	1/4	47,011	1/4	62,063	1/4	77,114	1/4	92,166	1/4	107,218	1/4	122,270	1/4	137,321	1/4	152,373	1/4	167,425	1/4	182,477	1/4	197,529	1/4	212,208
1/2	3,370	1/2	17,281	1/2	32,273	1/2	47,324	1/2	62,376	1/2	77,428	1/2	92,480	1/2	107,531	1/2	122,583	1/2	137,635	1/2	152,687	1/2	167,739	1/2	182,790	1/2	197,842	1/2	212,405
3/4	3,645	3/4	17,587	3/4	32,586	3/4	47,638	3/4	62,690	3/4	77,741	3/4	92,793	3/4	107,845	3/4	122,897	3/4	137,949	3/4	153,000	3/4	168,052	3/4	183,104	3/4	198,156	3/4	212,603
3	3,920	3	17,893	3	32,900	3	47,951	3	63,003	3	78,055	3	93,107	3	108,159	3	123,210	3	138,262	3	153,314	3	168,366	3	183,418	3	198,469	3	212,800
1/4	4,195	1/4	18,198	1/4	33,213	1/4	48,265	1/4	63,317	1/4	78,369	1/4	93,420	1/4	108,472	1/4	123,524	1/4	138,576	1/4	153,628	1/4	168,679	1/4	183,731	1/4	198,783	1/4	212,997
1/2	4,471	1/2	18,504	1/2	33,527	1/2	48,579	1/2	63,630	1/2	78,682	1/2	93,734	1/2	108,786	1/2	123,838	1/2	138,889	1/2	153,941	1/2	168,993	1/2	184,045	1/2	199,097	1/2	213,148
3/4	4,746	3/4	18,810	3/4	33,840	3/4	48,892	3/4	63,944	3/4	78,996	3/4	94,048	3/4	109,099	3/4	124,151	3/4	139,203	3/4	154,255	3/4	169,307	3/4	184,358	3/4	199,410	3/4	213,299
4	5,026	4	19,121	4	34,154	4	49,206	4	64,258	4	79,309	4	94,361	4	109,413	4	124,465	4	139,517	4	154,568	4	169,620	4	184,672	4	199,724	4	213,450
1/4	5,306	1/4	19,432	1/4	34,468	1/4	49,519	1/4	64,571	1/4	79,623	1/4	94,675	1/4	109,727	1/4	124,778	1/4	139,830	1/4	154,882	1/4	169,934	1/4	184,985	1/4	200,037	1/4	213,600
1/2	5,586	1/2	19,743	1/2	34,781	1/2	49,833	1/2	64,885	1/2	79,937	1/2	94,988	1/2	110,040	1/2	125,092	1/2	140,144	1/2	155,195	1/2	170,247	1/2	185,299	1/2	200,351	1/2	213,705
3/4	5,867	3/4	20,054	3/4	35,095	3/4	50,147	3/4	65,198	3/4	80,250	3/4	95,302	3/4	110,354	3/4	125,405	3/4	140,457	3/4	155,509	3/4	170,561	3/4	185,613	3/4	200,664	3/4	213,809
5	6,147	5	20,364	5	35,408	5	50,460	5	65,512	5	80,564	5	95,615	5	110,667	5	125,719	5	140,771	5	155,823	5	170,874	5	185,926	5	200,978	5	213,914
1/4	6,427	1/4	20,675	1/4	35,722	1/4	50,774	1/4	65,825	1/4	80,877	1/4	95,929	1/4	110,981	1/4	126,033	1/4	141,084	1/4	156,136	1/4	171,188	1/4	186,240	1/4	201,292	1/4	214,018
1/2	6,707	1/2	20,986	1/2	36,035	1/2	51,087	1/2	66,139	1/2	81,191	1/2	96,243	1/2	111,294	1/2	126,346	1/2	141,398	1/2	156,450	1/2	171,502	1/2	186,553	1/2	201,605	1/2	214,076
3/4	6,987	3/4	21,297	3/4	36,349	3/4	51,401	3/4	66,453	3/4	81,504	3/4	96,556	3/4	111,608	3/4	126,660	3/4	141,712	3/4	156,763	3/4	171,815	3/4	186,867	3/4	201,919	3/4	214,134
6	7,273	6	21,611	6	36,663	6	51,714	6	66,766	6	81,818	6	96,870	6	111,922	6	126,973	6	142,025	6	157,077	6	172,129	6	187,181	6	202,232	6	214,192
1/4	7,558	1/4	21,924	1/4	36,976	1/4	52,028	1/4	67,080	1/4	82,132	1/4	97,183	1/4	112,235	1/4	127,287	1/4	142,339	1/4	157,391	1/4	172,442	1/4	187,494	1/4	202,546	1/4	214,250
1/2	7,843	1/2	22,238	1/2	37,290	1/2	52,342	1/2	67,393	1/2	82,445	1/2	97,497	1/2	112,549	1/2	127,601	1/2	142,652	1/2	157,704	1/2	172,756	1/2	187,808	1/2	202,859	1/2	214,267
3/4	8,129	3/4	22,552	3/4	37,603	3/4	52,655	3/4	67,707	3/4	82,759	3/4	97,811	3/4	112,862	3/4	127,914	3/4	142,966	3/4	158,018	3/4	173,069	3/4	188,121	3/4	203,173	3/4	214,284
7	8,414	7	22,865	7	37,917	7	52,969	7	68,021	7	83,072	7	98,124	7	113,176	7	128,228	7	143,279	7	158,331	7	173,383	7	188,435	7	203,487	7	214,301
1/4	8,700	1/4	23,179	1/4	38,231	1/4	53,282	1/4	68,334	1/4	83,386	1/4	98,438	1/4	113,489	1/4	128,541	1/4	143,593	1/4	158,645	1/4	173,697	1/4	188,748	1/4	203,800	1/4	214,208
1/2	8,985	1/2	23,492	1/2	38,544	1/2	53,596	1/2	68,648	1/2	83,699	1/2	98,751	1/2	113,803	1/2	128,855	1/2	143,907	1/2	158,958	1/2	174,010	1/2	189,062	1/2	204,114	1/2	214,208
3/4	9,270	3/4	23,806	3/4	38,858	3/4	53,909	3/4	68,961	3/4	84,013	3/4	99,065	3/4	114,117	3/4	129,168	3/4	144,220	3/4	159,272	3/4	174,324	3/4	189,376	3/4	204,427	3/4	214,208
8	9,561	8	24,119	8	39,171	8	54,223	8	69,275	8	84,327	8	99,378	8	114,4														



BARGE "HFL-403"

HINES FURLONG LINE

INNAGE TABLE

2 PORT

HULL NO. 4594

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	15,720	0	30,814	0	45,908	0	61,002	0	76,096	0	91,190	0	106,284	0	121,378	0	136,472	0	151,566	0	166,660	0	181,754	0	196,848	0	211,832
1/4	1,166	1/4	16,035	1/4	31,129	1/4	46,223	1/4	61,317	1/4	76,411	1/4	91,504	1/4	106,598	1/4	121,692	1/4	136,786	1/4	151,880	1/4	166,974	1/4	182,068	1/4	197,162	1/4	212,144
1/2	1,391	1/2	16,349	1/2	31,443	1/2	46,537	1/2	61,631	1/2	76,725	1/2	91,819	1/2	106,913	1/2	122,007	1/2	137,101	1/2	152,195	1/2	167,289	1/2	182,383	1/2	197,476	1/2	212,432
3/4	1,615	3/4	16,664	3/4	31,758	3/4	46,852	3/4	61,945	3/4	77,039	3/4	92,133	3/4	107,227	3/4	122,321	3/4	137,415	3/4	152,509	3/4	167,603	3/4	182,697	3/4	197,791	3/4	212,721
1	1,907	1	16,978	1	32,072	1	47,166	1	62,260	1	77,354	1	92,448	1	107,542	1	122,636	1	137,730	1	152,824	1	167,917	1	183,011	1	198,103	1	213,010
1/4	2,199	1/4	17,293	1/4	32,387	1/4	47,480	1/4	62,574	1/4	77,668	1/4	92,762	1/4	107,856	1/4	122,950	1/4	138,044	1/4	153,138	1/4	168,232	1/4	183,326	1/4	198,415	1/4	213,299
1/2	2,513	1/2	17,607	1/2	32,701	1/2	47,795	1/2	62,889	1/2	77,983	1/2	93,077	1/2	108,171	1/2	123,265	1/2	138,359	1/2	153,452	1/2	168,546	1/2	183,640	1/2	198,727	1/2	213,543
3/4	2,828	3/4	17,922	3/4	33,015	3/4	48,109	3/4	63,203	3/4	78,297	3/4	93,391	3/4	108,485	3/4	123,579	3/4	138,673	3/4	153,767	3/4	168,861	3/4	183,955	3/4	199,039	3/4	213,787
2	3,142	2	18,236	2	33,330	2	48,424	2	63,518	2	78,612	2	93,706	2	108,800	2	123,894	2	138,987	2	154,081	2	169,175	2	184,269	2	199,351	2	214,032
1/4	3,456	1/4	18,550	1/4	33,644	1/4	48,738	1/4	63,832	1/4	78,926	1/4	94,020	1/4	109,114	1/4	124,208	1/4	139,302	1/4	154,396	1/4	169,490	1/4	184,584	1/4	199,663	1/4	214,276
1/2	3,771	1/2	18,865	1/2	33,959	1/2	49,053	1/2	64,147	1/2	79,241	1/2	94,335	1/2	109,428	1/2	124,522	1/2	139,616	1/2	154,710	1/2	169,804	1/2	184,898	1/2	199,975	1/2	214,474
3/4	4,085	3/4	19,179	3/4	34,273	3/4	49,367	3/4	64,461	3/4	79,555	3/4	94,649	3/4	109,743	3/4	124,837	3/4	139,931	3/4	155,025	3/4	170,119	3/4	185,213	3/4	200,287	3/4	214,671
3	4,400	3	19,494	3	34,588	3	49,682	3	64,776	3	79,870	3	94,963	3	110,057	3	125,151	3	140,245	3	155,339	3	170,433	3	185,527	3	200,599	3	214,869
1/4	4,714	1/4	19,808	1/4	34,902	1/4	49,996	1/4	65,090	1/4	80,184	1/4	95,278	1/4	110,372	1/4	125,466	1/4	140,560	1/4	155,654	1/4	170,748	1/4	185,842	1/4	200,911	1/4	215,067
1/2	5,029	1/2	20,123	1/2	35,217	1/2	50,311	1/2	65,405	1/2	80,498	1/2	95,592	1/2	110,686	1/2	125,780	1/2	140,874	1/2	155,968	1/2	171,062	1/2	186,156	1/2	201,223	1/2	215,218
3/4	5,343	3/4	20,437	3/4	35,531	3/4	50,625	3/4	65,719	3/4	80,813	3/4	95,907	3/4	111,001	3/4	126,095	3/4	141,189	3/4	156,283	3/4	171,377	3/4	186,470	3/4	201,535	3/4	215,369
4	5,658	4	20,752	4	35,846	4	50,939	4	66,033	4	81,127	4	96,221	4	111,315	4	126,409	4	141,503	4	156,597	4	171,691	4	186,785	4	201,847	4	215,521
1/4	5,972	1/4	21,066	1/4	36,160	1/4	51,254	1/4	66,348	1/4	81,442	1/4	96,536	1/4	111,630	1/4	126,724	1/4	141,818	1/4	156,911	1/4	172,005	1/4	187,099	1/4	202,159	1/4	215,672
1/2	6,287	1/2	21,381	1/2	36,474	1/2	51,568	1/2	66,662	1/2	81,756	1/2	96,850	1/2	111,944	1/2	127,038	1/2	142,132	1/2	157,226	1/2	172,320	1/2	187,414	1/2	202,471	1/2	215,776
3/4	6,601	3/4	21,695	3/4	36,789	3/4	51,883	3/4	66,977	3/4	82,071	3/4	97,165	3/4	112,259	3/4	127,353	3/4	142,446	3/4	157,540	3/4	172,634	3/4	187,728	3/4	202,783	3/4	215,881
5	6,916	5	22,009	5	37,103	5	52,197	5	67,291	5	82,385	5	97,479	5	112,573	5	127,667	5	142,761	5	157,855	5	172,949	5	188,043	5	203,095	5	215,986
1/4	7,230	1/4	22,324	1/4	37,418	1/4	52,512	1/4	67,606	1/4	82,700	1/4	97,794	1/4	112,888	1/4	129,981	1/4	143,075	1/4	158,169	1/4	173,263	1/4	188,357	1/4	203,407	1/4	216,090
1/2	7,544	1/2	22,638	1/2	37,732	1/2	52,826	1/2	67,920	1/2	83,014	1/2	98,108	1/2	113,202	1/2	128,296	1/2	143,390	1/2	158,484	1/2	173,578	1/2	188,672	1/2	203,719	1/2	216,148
3/4	7,859	3/4	22,953	3/4	38,047	3/4	53,141	3/4	68,235	3/4	83,329	3/4	98,422	3/4	115,516	3/4	128,610	3/4	143,704	3/4	158,798	3/4	173,892	3/4	188,986	3/4	204,031	3/4	216,206
6	8,173	6	23,267	6	38,361	6	53,455	6	68,549	6	83,643	6	98,737	6	113,831	6	128,925	6	144,019	6	159,113	6	174,207	6	189,301	6	204,343	6	216,264
1/4	8,488	1/4	23,582	1/4	38,676	1/4	53,770	1/4	68,864	1/4	83,957	1/4	99,051	1/4	114,145	1/4	129,239	1/4	144,333	1/4	159,427	1/4	174,521	1/4	189,615	1/4	204,655	1/4	216,322
1/2	8,802	1/2	23,896	1/2	38,990	1/2	54,084	1/2	69,178	1/2	84,272	1/2	99,366	1/2	114,460	1/2	129,554	1/2	144,648	1/2	159,742	1/2	174,836	1/2	189,929	1/2	204,967	1/2	216,340
3/4	9,117	3/4	24,211	3/4	39,305	3/4	54,399	3/4	69,492	3/4	84,586	3/4	99,680	3/4	114,774	3/4	129,868	3/4	144,962	3/4	160,056	3/4	175,150	3/4	190,244	3/4	205,279	3/4	216,357
7	9,431	7	24,525	7	39,619	7	54,713	7	69,807	7	84,901	7	99,995	7	115,089	7	130,183	7	145,277	7	160,371	7	175,464	7	190,558	7	205,591	7	216,374
1/4	9,746	1/4	24,840	1/4	39,933	1/4	55,027	1/4	70,121	1/4	85,215	1/4	100,309	1/4	115,403	1/4	130,497	1/4	145,591	1/4	160,685	1/4	175,779	1/4	190,873	1/4	205,903	1/4	
1/2	10,060	1/2	25,154	1/2	40,248	1/2	55,342	1/2	70,436	1/2	85,530	1/2	100,624	1/2	115,718	1/2	130,812	1/2	145,906	1/2	160,999	1/2	176,093	1/2	191,187	1/2	206,215	1/2	
3/4	10,375	3/4	25,468	3/4	40,562	3/4	55,656	3/4	70,750	3/4	85,844	3/4	100,938	3/4	116,032	3/4	131,126	3/4	146,220	3/4	161,314	3/4	176,408	3/4	191,502	3/4	206,527	3/4	
8	10,689	8	25,783	8	40,877	8	55,971	8	71,065	8	81,159	8	91,105	8	101,253	8	116,34												



BARGE "HFL-403"

HINES FURLONG LINE

INNAGE TABLE

2 STAR

HULL NO. 4594

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	15,720	0	30,814	0	45,908	0	61,002	0	76,096	0	91,190	0	106,284	0	121,378	0	136,472	0	151,566	0	166,660	0	181,754	0	196,848	0	211,832
1/4	1,166	1/4	16,035	1/4	31,129	1/4	46,223	1/4	61,317	1/4	76,411	1/4	91,504	1/4	106,598	1/4	121,692	1/4	136,786	1/4	151,880	1/4	166,974	1/4	182,068	1/4	197,162	1/4	212,144
1/2	1,391	1/2	16,349	1/2	31,443	1/2	46,537	1/2	61,631	1/2	76,725	1/2	91,819	1/2	106,913	1/2	122,007	1/2	137,101	1/2	152,195	1/2	167,289	1/2	182,383	1/2	197,476	1/2	212,432
3/4	1,615	3/4	16,664	3/4	31,758	3/4	46,852	3/4	61,945	3/4	77,039	3/4	92,133	3/4	107,227	3/4	122,321	3/4	137,415	3/4	152,509	3/4	167,603	3/4	182,697	3/4	197,791	3/4	212,721
1	1,907	1	16,978	1	32,072	1	47,166	1	62,260	1	77,354	1	92,448	1	107,542	1	122,636	1	137,730	1	152,824	1	167,917	1	183,011	1	198,103	1	213,010
1/4	2,199	1/4	17,293	1/4	32,387	1/4	47,480	1/4	62,574	1/4	77,668	1/4	92,762	1/4	107,856	1/4	122,950	1/4	138,044	1/4	153,138	1/4	168,232	1/4	183,326	1/4	198,415	1/4	213,299
1/2	2,513	1/2	17,607	1/2	32,701	1/2	47,795	1/2	62,889	1/2	77,983	1/2	93,077	1/2	108,171	1/2	123,265	1/2	138,359	1/2	153,452	1/2	168,546	1/2	183,640	1/2	198,727	1/2	213,543
3/4	2,828	3/4	17,922	3/4	33,015	3/4	48,109	3/4	63,203	3/4	78,297	3/4	93,391	3/4	108,485	3/4	123,579	3/4	138,673	3/4	153,767	3/4	168,861	3/4	183,955	3/4	199,039	3/4	213,787
2	3,142	2	18,236	2	33,330	2	48,424	2	63,518	2	78,612	2	93,706	2	108,800	2	123,894	2	138,987	2	154,081	2	169,175	2	184,269	2	199,351	2	214,032
1/4	3,456	1/4	18,550	1/4	33,644	1/4	48,738	1/4	63,832	1/4	78,926	1/4	94,020	1/4	109,114	1/4	124,208	1/4	139,302	1/4	154,396	1/4	169,490	1/4	184,584	1/4	199,663	1/4	214,276
1/2	3,771	1/2	18,865	1/2	33,959	1/2	49,053	1/2	64,147	1/2	79,241	1/2	94,335	1/2	109,428	1/2	124,522	1/2	139,616	1/2	154,710	1/2	169,804	1/2	184,898	1/2	199,975	1/2	214,474
3/4	4,085	3/4	19,179	3/4	34,273	3/4	49,367	3/4	64,461	3/4	79,555	3/4	94,649	3/4	109,743	3/4	124,837	3/4	139,931	3/4	155,025	3/4	170,119	3/4	185,213	3/4	200,287	3/4	214,671
3	4,400	3	19,494	3	34,588	3	49,682	3	64,776	3	79,870	3	94,963	3	110,057	3	125,151	3	140,245	3	155,339	3	170,433	3	185,527	3	200,599	3	214,869
1/4	4,714	1/4	19,808	1/4	34,902	1/4	49,996	1/4	65,090	1/4	80,184	1/4	95,278	1/4	110,372	1/4	125,466	1/4	140,560	1/4	155,654	1/4	170,748	1/4	185,842	1/4	200,911	1/4	215,067
1/2	5,029	1/2	20,123	1/2	35,217	1/2	50,311	1/2	65,405	1/2	80,498	1/2	95,592	1/2	110,686	1/2	125,780	1/2	140,874	1/2	155,968	1/2	171,062	1/2	186,156	1/2	201,223	1/2	215,218
3/4	5,343	3/4	20,437	3/4	35,531	3/4	56,625	3/4	65,719	3/4	80,813	3/4	95,907	3/4	111,001	3/4	126,095	3/4	141,189	3/4	156,283	3/4	171,377	3/4	186,470	3/4	201,535	3/4	215,369
4	5,658	4	20,752	4	35,846	4	50,939	4	66,033	4	81,127	4	96,221	4	111,315	4	126,409	4	141,503	4	156,597	4	171,691	4	186,785	4	201,847	4	215,521
1/4	5,972	1/4	21,066	1/4	36,160	1/4	51,254	1/4	66,348	1/4	81,442	1/4	96,536	1/4	111,630	1/4	126,724	1/4	141,818	1/4	156,911	1/4	172,005	1/4	187,099	1/4	202,159	1/4	215,672
1/2	6,287	1/2	21,381	1/2	36,474	1/2	51,568	1/2	66,662	1/2	81,756	1/2	96,850	1/2	111,944	1/2	127,038	1/2	142,132	1/2	157,226	1/2	172,320	1/2	187,414	1/2	202,471	1/2	215,776
3/4	6,601	3/4	21,695	3/4	36,789	3/4	51,883	3/4	66,977	3/4	82,071	3/4	97,165	3/4	112,259	3/4	127,353	3/4	142,446	3/4	157,540	3/4	172,634	3/4	187,728	3/4	202,783	3/4	215,881
5	6,916	5	22,009	5	37,103	5	52,197	5	67,291	5	82,385	5	97,479	5	112,573	5	127,667	5	142,761	5	157,855	5	172,949	5	188,043	5	203,095	5	215,986
1/4	7,230	1/4	22,324	1/4	37,418	1/4	52,512	1/4	67,606	1/4	82,700	1/4	97,794	1/4	112,888	1/4	128,981	1/4	143,075	1/4	158,169	1/4	173,263	1/4	188,357	1/4	203,407	1/4	216,090
1/2	7,544	1/2	22,638	1/2	37,732	1/2	52,826	1/2	67,920	1/2	83,014	1/2	98,108	1/2	113,202	1/2	128,296	1/2	143,390	1/2	158,484	1/2	173,578	1/2	188,672	1/2	203,719	1/2	216,148
3/4	7,859	3/4	22,953	3/4	38,047	3/4	53,141	3/4	68,235	3/4	83,329	3/4	98,422	3/4	113,516	3/4	128,610	3/4	143,704	3/4	158,798	3/4	173,892	3/4	188,986	3/4	204,031	3/4	216,206
6	8,173	6	23,267	6	38,361	6	53,455	6	68,549	6	83,643	6	98,737	6	113,831	6	128,925	6	144,019	6	159,113	6	174,207	6	189,301	6	204,343	6	216,264
1/4	8,488	1/4	23,582	1/4	38,676	1/4	53,770	1/4	68,864	1/4	83,957	1/4	99,051	1/4	114,145	1/4	129,239	1/4	144,333	1/4	159,427	1/4	174,521	1/4	189,615	1/4	204,655	1/4	216,322
1/2	8,802	1/2	23,896	1/2	38,990	1/2	54,084	1/2	69,178	1/2	84,272	1/2	99,366	1/2	114,460	1/2	129,554	1/2	144,648	1/2	159,742	1/2	174,836	1/2	189,929	1/2	204,967	1/2	216,340
3/4	9,117	3/4	24,211	3/4	39,305	3/4	54,399	3/4	69,492	3/4	84,586	3/4	104,774	3/4	129,868	3/4	144,962	3/4	160,056	3/4	175,150	3/4	190,244	3/4	205,279	3/4	216,357		
7	9,431	7	24,525	7	39,619	7	54,713	7	69,807	7	84,901	7	99,995	7	115,089	7	130,183	7	145,277	7	160,371	7	175,464	7	190,558	7	205,591	7	216,374
1/4	9,746	1/4	24,840	1/4	39,933	1/4	55,027	1/4	70,121	1/4	85,215	1/4	100,309	1/4	115,403	1/4	130,497	1/4	145,591	1/4	160,685	1/4	175,779	1/4	190,873	1/4	205,903	1/4	
1/2	10,060	1/2	25,154	1/2	40,248	1/2	55,342	1/2	70,436	1/2	85,530	1/2	100,624	1/2	115,718	1/2	130,812	1/2	145,906	1/2	160,999	1/2	176,093	1/2	191,187	1/2	206,215	1/2	
3/4	10,375	3/4	25,468	3/4	40,562	3/4	55,656	3/4	70,750	3/4	85,844	3/4	100,938	3/4	116,032	3/4	131,126	3/4	146,220	3/4	161,314	3/4	176,408	3/4	191,502	3/4	206,527	3/4	
8	10,689	8	25,783	8	40,877	8	55,971	8	71,065	8	86,159	8	101,253	8	116,347	8	131,440	8	1										



BARGE "HFL-403"

HINES FURLONG LINE

INNAGE TABLE

3 PORT

HULL NO. 4594

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	45,675	0	60,710	0	75,745	0	90,781	0	105,816	0	120,851	0	135,886	0	149,905	0	160,360	0	170,798	0	181,236	0	191,674
1/4	1,161	1/4	15,974	1/4	30,999	1/4	45,989	1/4	61,024	1/4	76,059	1/4	91,094	1/4	106,129	1/4	121,164	1/4	136,199	1/4	150,128	1/4	160,577	1/4	171,015	1/4	181,454	1/4	191,892
1/2	1,384	1/2	16,287	1/2	31,311	1/2	46,302	1/2	61,337	1/2	76,372	1/2	91,407	1/2	106,442	1/2	121,477	1/2	136,512	1/2	150,351	1/2	160,795	1/2	171,233	1/2	181,671	1/2	192,093
3/4	1,608	3/4	16,600	3/4	31,623	3/4	46,615	3/4	61,650	3/4	76,685	3/4	91,720	3/4	106,755	3/4	121,790	3/4	136,825	3/4	150,574	3/4	161,012	3/4	171,450	3/4	181,889	3/4	192,294
1	1,899	1	16,914	1	31,935	1	46,928	1	61,963	1	76,998	1	92,033	1	107,069	1	122,104	1	137,139	1	150,791	1	161,230	1	171,668	1	182,106	1	192,496
1/4	2,190	1/4	17,227	1/4	32,247	1/4	47,241	1/4	62,277	1/4	77,312	1/4	92,347	1/4	107,382	1/4	122,417	1/4	137,452	1/4	151,009	1/4	161,447	1/4	171,885	1/4	182,323	1/4	192,697
1/2	2,503	1/2	17,540	1/2	32,559	1/2	47,555	1/2	62,590	1/2	77,625	1/2	92,660	1/2	107,695	1/2	122,730	1/2	137,765	1/2	151,226	1/2	161,664	1/2	172,103	1/2	182,541	1/2	192,866
3/4	2,816	3/4	17,854	3/4	32,871	3/4	47,868	3/4	62,903	3/4	77,938	3/4	92,973	3/4	108,008	3/4	123,043	3/4	138,078	3/4	151,444	3/4	161,882	3/4	172,320	3/4	182,758	3/4	193,035
2	3,129	2	18,167	2	33,183	2	48,181	2	63,216	2	78,251	2	93,286	2	108,321	2	123,357	2	138,392	2	151,661	2	162,099	2	172,538	2	182,976	2	193,205
1/4	3,443	1/4	18,480	1/4	33,495	1/4	48,494	1/4	63,529	1/4	78,565	1/4	93,600	1/4	108,635	1/4	123,670	1/4	138,705	1/4	151,879	1/4	162,317	1/4	172,755	1/4	183,193	1/4	193,374
1/2	3,756	1/2	18,793	1/2	33,807	1/2	48,808	1/2	63,843	1/2	78,878	1/2	93,913	1/2	108,948	1/2	123,983	1/2	139,018	1/2	152,096	1/2	162,534	1/2	172,973	1/2	183,411	1/2	193,510
3/4	4,069	3/4	19,107	3/4	34,119	3/4	49,121	3/4	64,156	3/4	79,191	3/4	94,226	3/4	109,261	3/4	124,296	3/4	139,331	3/4	152,314	3/4	162,752	3/4	173,190	3/4	183,628	3/4	193,647
3	4,383	3	19,420	3	34,431	3	49,434	3	64,469	3	79,504	3	94,539	3	109,574	3	124,609	3	139,645	3	152,531	3	162,969	3	173,407	3	183,846	3	193,784
1/4	4,696	1/4	19,733	1/4	34,743	1/4	49,747	1/4	64,782	1/4	79,817	1/4	94,853	1/4	109,888	1/4	124,923	1/4	139,958	1/4	152,748	1/4	163,187	1/4	173,625	1/4	184,063	1/4	193,921
1/2	5,009	1/2	20,047	1/2	35,055	1/2	50,061	1/2	65,096	1/2	80,131	1/2	95,166	1/2	110,201	1/2	125,236	1/2	140,271	1/2	152,966	1/2	163,404	1/2	173,842	1/2	184,281	1/2	194,026
3/4	5,322	3/4	20,360	3/4	35,367	3/4	50,374	3/4	65,409	3/4	80,444	3/4	95,479	3/4	110,514	3/4	125,549	3/4	140,584	3/4	153,183	3/4	163,622	3/4	174,060	3/4	184,498	3/4	194,130
4	5,636	4	20,673	4	35,679	4	50,687	4	65,722	4	80,757	4	95,792	4	110,827	4	125,862	4	140,897	4	153,401	4	163,839	4	174,277	4	184,716	4	194,235
1/4	5,949	1/4	20,986	1/4	35,991	1/4	51,000	1/4	66,035	1/4	81,070	1/4	96,105	1/4	111,141	1/4	126,176	1/4	141,211	1/4	153,618	1/4	164,057	1/4	174,495	1/4	184,933	1/4	194,339
1/2	6,262	1/2	21,300	1/2	36,303	1/2	51,313	1/2	66,349	1/2	81,384	1/2	96,419	1/2	111,454	1/2	126,489	1/2	141,524	1/2	153,836	1/2	164,274	1/2	174,712	1/2	185,150	1/2	194,412
3/4	6,576	3/4	21,613	3/4	36,615	3/4	51,627	3/4	66,662	3/4	81,697	3/4	96,732	3/4	111,767	3/4	126,802	3/4	141,837	3/4	154,053	3/4	164,491	3/4	174,930	3/4	185,368	3/4	194,484
5	6,889	5	21,926	5	36,928	5	51,940	5	66,975	5	82,010	5	97,045	5	112,080	5	127,115	5	142,150	5	154,271	5	164,709	5	175,147	5	185,585	5	194,557
1/4	7,202	1/4	22,239	1/4	37,240	1/4	52,253	1/4	67,288	1/4	82,323	1/4	97,358	1/4	112,393	1/4	127,429	1/4	142,464	1/4	154,488	1/4	164,926	1/4	175,365	1/4	185,803	1/4	194,629
1/2	7,515	1/2	22,553	1/2	37,552	1/2	52,566	1/2	67,601	1/2	82,637	1/2	97,672	1/2	112,707	1/2	127,742	1/2	142,777	1/2	154,706	1/2	165,144	1/2	175,582	1/2	186,020	1/2	194,669
3/4	7,829	3/4	22,866	3/4	37,864	3/4	52,880	3/4	67,915	3/4	82,950	3/4	97,985	3/4	113,020	3/4	128,055	3/4	143,090	3/4	154,923	3/4	165,361	3/4	175,800	3/4	186,238	3/4	194,709
6	8,142	6	23,179	6	38,176	6	53,193	6	68,228	6	83,263	6	98,298	6	113,333	6	128,368	6	143,403	6	155,141	6	165,579	6	176,017	6	186,455	6	194,749
1/4	8,455	1/4	23,493	1/4	38,488	1/4	53,506	1/4	68,541	1/4	83,576	1/4	98,611	1/4	113,646	1/4	128,681	1/4	143,710	1/4	155,358	1/4	165,796	1/4	176,234	1/4	186,673	1/4	194,789
1/2	8,768	1/2	23,806	1/2	38,800	1/2	53,819	1/2	68,854	1/2	83,889	1/2	98,925	1/2	113,960	1/2	128,995	1/2	144,016	1/2	155,575	1/2	166,014	1/2	176,452	1/2	186,890	1/2	194,801
3/4	9,082	3/4	24,119	3/4	39,112	3/4	54,133	3/4	69,168	3/4	84,203	3/4	99,238	3/4	114,273	3/4	129,308	3/4	144,323	3/4	155,793	3/4	166,231	3/4	176,669	3/4	187,108	3/4	194,813
7	9,395	7	24,432	7	39,424	7	54,446	7	69,481	7	84,516	7	99,551	7	114,586	7	129,621	7	144,630	7	156,010	7	166,449	7	176,887	7	187,325	7	194,825
1/4	9,708	1/4	24,746	1/4	39,736	1/4	54,759	1/4	69,794	1/4	84,829	1/4	99,864	1/4	114,899	1/4	129,934	1/4	144,922	1/4	156,228	1/4	166,666	1/4	177,104	1/4	187,543	1/4	
1/2	10,022	1/2	25,059	1/2	40,048	1/2	55,072	1/2	70,107	1/2	85,142	1/2	100,177	1/2	115,213	1/2	130,248	1/2	145,214	1/2	156,445	1/2	166,884	1/2	177,322	1/2	187,760	1/2	
3/4	10,335	3/4	25,372	3/4	40,360	3/4	55,385	3/4	70,421	3/4	85,456	3/4	100,491	3/4	115,526	3/4	130,561	3/4	145,506	3/4	156,663	3/4	167,101	3/4	177,539	3/4	187,977	3/4	
8	10,648	8	25,686	8	40,672	8	55,699	8	70,734	8	85,769	8	100,804	8	115,839	8	130,874	8	145,799</td										



BARGE "HFL-403"

HINES FURLONG LINE

INNAGE TABLE

3 STAR

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

HULL NO. 4594

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	45,675	0	60,710	0	75,745	0	90,781	0	105,816	0	120,851	0	135,886	0	149,905	0	160,360	0	170,798	0	181,236	0	191,674
1/4	1,161	1/4	15,974	1/4	30,999	1/4	45,989	1/4	61,024	1/4	76,059	1/4	91,094	1/4	106,129	1/4	121,164	1/4	136,199	1/4	150,128	1/4	160,577	1/4	171,015	1/4	181,454	1/4	191,892
1/2	1,384	1/2	16,287	1/2	31,311	1/2	46,302	1/2	61,337	1/2	76,372	1/2	91,407	1/2	106,442	1/2	121,477	1/2	136,512	1/2	150,351	1/2	160,795	1/2	171,233	1/2	181,671	1/2	192,093
3/4	1,608	3/4	16,600	3/4	31,623	3/4	46,615	3/4	61,650	3/4	76,685	3/4	91,720	3/4	106,755	3/4	121,790	3/4	136,825	3/4	150,574	3/4	161,012	3/4	171,450	3/4	181,889	3/4	192,294
1	1,899	1	16,914	1	31,935	1	46,928	1	61,963	1	76,998	1	92,033	1	107,069	1	122,104	1	137,139	1	150,791	1	161,230	1	171,668	1	182,106	1	192,496
1/4	2,190	1/4	17,227	1/4	32,247	1/4	47,241	1/4	62,277	1/4	77,312	1/4	92,347	1/4	107,382	1/4	122,417	1/4	137,452	1/4	151,009	1/4	161,447	1/4	171,885	1/4	182,323	1/4	192,697
1/2	2,503	1/2	17,540	1/2	32,559	1/2	47,555	1/2	62,590	1/2	77,625	1/2	92,660	1/2	107,695	1/2	122,730	1/2	137,765	1/2	151,226	1/2	161,664	1/2	172,103	1/2	182,541	1/2	192,866
3/4	2,816	3/4	17,854	3/4	32,871	3/4	47,868	3/4	62,903	3/4	77,938	3/4	92,973	3/4	108,008	3/4	123,043	3/4	138,078	3/4	151,444	3/4	161,882	3/4	172,320	3/4	182,758	3/4	193,035
2	3,129	2	18,167	2	33,183	2	48,181	2	63,216	2	78,251	2	93,286	2	108,321	2	123,357	2	138,392	2	151,661	2	162,099	2	172,538	2	182,976	2	193,205
1/4	3,443	1/4	18,480	1/4	34,495	1/4	48,494	1/4	63,529	1/4	78,565	1/4	93,600	1/4	108,635	1/4	123,670	1/4	138,705	1/4	151,879	1/4	162,317	1/4	172,755	1/4	183,193	1/4	193,374
1/2	3,756	1/2	18,793	1/2	33,807	1/2	48,808	1/2	63,843	1/2	78,878	1/2	93,913	1/2	108,948	1/2	123,983	1/2	139,018	1/2	152,096	1/2	162,534	1/2	172,973	1/2	183,411	1/2	193,510
3/4	4,069	3/4	19,107	3/4	34,119	3/4	49,121	3/4	64,156	3/4	79,191	3/4	94,226	3/4	109,261	3/4	124,296	3/4	139,331	3/4	152,314	3/4	162,752	3/4	173,190	3/4	183,628	3/4	193,647
3	4,383	3	19,420	3	34,431	3	49,434	3	64,469	3	79,504	3	94,539	3	109,574	3	124,609	3	139,645	3	152,531	3	162,969	3	173,407	3	183,846	3	193,784
1/4	4,696	1/4	19,733	1/4	34,743	1/4	49,747	1/4	64,782	1/4	79,817	1/4	94,853	1/4	109,888	1/4	124,923	1/4	139,958	1/4	152,748	1/4	163,187	1/4	173,625	1/4	184,063	1/4	193,921
1/2	5,009	1/2	20,047	1/2	35,055	1/2	50,061	1/2	65,096	1/2	80,131	1/2	95,166	1/2	110,201	1/2	125,236	1/2	140,271	1/2	152,966	1/2	163,404	1/2	173,842	1/2	184,281	1/2	194,026
3/4	5,322	3/4	20,360	3/4	35,367	3/4	50,374	3/4	65,409	3/4	80,444	3/4	95,479	3/4	110,514	3/4	125,549	3/4	140,584	3/4	153,183	3/4	163,622	3/4	174,060	3/4	184,498	3/4	194,130
4	5,636	4	20,673	4	35,679	4	50,687	4	65,722	4	80,757	4	95,792	4	110,827	4	125,862	4	140,897	4	153,401	4	163,839	4	174,277	4	184,716	4	194,235
1/4	5,949	1/4	20,986	1/4	35,991	1/4	51,000	1/4	66,035	1/4	81,070	1/4	96,105	1/4	111,141	1/4	126,176	1/4	141,211	1/4	153,618	1/4	164,057	1/4	174,495	1/4	184,933	1/4	194,339
1/2	6,262	1/2	21,300	1/2	36,303	1/2	51,313	1/2	66,349	1/2	81,384	1/2	96,419	1/2	111,454	1/2	126,489	1/2	141,524	1/2	153,836	1/2	164,274	1/2	174,712	1/2	185,150	1/2	194,412
3/4	6,576	3/4	21,613	3/4	36,615	3/4	51,627	3/4	66,662	3/4	81,697	3/4	96,732	3/4	111,767	3/4	126,802	3/4	141,837	3/4	154,053	3/4	164,491	3/4	174,930	3/4	185,368	3/4	194,484
5	6,889	5	21,926	5	36,928	5	51,940	5	66,975	5	82,010	5	97,045	5	112,080	5	127,115	5	142,150	5	154,271	5	164,709	5	175,147	5	185,585	5	194,557
1/4	7,202	1/4	22,239	1/4	37,240	1/4	52,253	1/4	67,288	1/4	82,323	1/4	97,358	1/4	112,393	1/4	127,429	1/4	142,464	1/4	154,488	1/4	164,926	1/4	175,365	1/4	185,803	1/4	194,629
1/2	7,515	1/2	22,553	1/2	37,552	1/2	52,566	1/2	67,601	1/2	82,637	1/2	97,672	1/2	112,707	1/2	127,742	1/2	142,777	1/2	154,706	1/2	165,144	1/2	175,582	1/2	186,020	1/2	194,669
3/4	7,829	3/4	22,866	3/4	37,864	3/4	52,880	3/4	67,915	3/4	82,950	3/4	97,985	3/4	113,020	3/4	128,055	3/4	143,090	3/4	154,923	3/4	165,361	3/4	175,800	3/4	186,238	3/4	194,709
6	8,142	6	23,179	6	38,176	6	53,193	6	68,228	6	83,263	6	98,298	6	113,333	6	128,368	6	143,403	6	155,141	6	165,579	6	176,017	6	186,455	6	194,749
1/4	8,455	1/4	23,493	1/4	38,488	1/4	53,506	1/4	68,541	1/4	83,576	1/4	98,611	1/4	113,646	1/4	128,681	1/4	143,710	1/4	155,358	1/4	165,796	1/4	176,234	1/4	186,673	1/4	194,789
1/2	8,768	1/2	23,806	1/2	38,800	1/2	53,819	1/2	68,854	1/2	83,889	1/2	98,925	1/2	113,960	1/2	128,995	1/2	144,016	1/2	155,575	1/2	166,014	1/2	176,452	1/2	186,890	1/2	194,801
3/4	9,082	3/4	24,119	3/4	39,112	3/4	54,133	3/4	69,168	3/4	84,203	3/4	99,238	3/4	114,273	3/4	129,308	3/4	144,323	3/4	155,793	3/4	166,231	3/4	176,669	3/4	187,108	3/4	194,813
7	9,395	7	24,432	7	39,424	7	54,446	7	69,481	7	84,516	7	99,551	7	114,586	7	129,621	7	144,630	7	156,010	7	166,449	7	176,887	7	187,325	7	194,825
1/4	9,708	1/4	24,746	1/4	39,736	1/4	54,759	1/4	69,794	1/4	84,829	1/4	99,864	1/4	114,899	1/4	129,934	1/4	149,922	1/4	166,666	1/4	177,104	1/4	187,543	1/4	194,789		
1/2	10,022	1/2	25,059	1/2	40,048	1/2	55,072	1/2	70,107	1/2	85,142	1/2	100,177	1/2	115,213	1/2	130,248	1/2	145,214	1/2	156,445	1/2	166,884	1/2	177,322	1/2	187,760	1/2	194,813
3/4	10,335	3/4	25,372	3/4	40,360	3/4	55,385	3/4	70,421	3/4	85,456	3/4	100,491	3/4	115,526	3/4	130,561	3/4	145,506	3/4	156,663	3/4	167,101	3/4	177,539	3/4	187,977	3/4	194,825
8	10,648	8	25,686	8	40,672	8	55,699	8	70,734	8	85,769	8	100,804	8	115,839	8	130												



ISO 9002 ACCREDITED

BARGE "HFL-403" HINES FURLONG LINE

INNAGE TABLE

PORT SLOP TANK

HULL NO. 4594

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

CAPACITIES GIVEN IN U.S. GALLONS

STRAPPED: 11/2707

REFERENCE GAUGE HEIGHT : 6'-7 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.

INSPECTORATE AMERICA CORPORATION



BARGE "HFL-403"

HINES FURLONG LINE

INNAGE TABLE

STAR SLOP TANK

HULL NO. 4594

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	1,171	0	2,343	0	3,514	0	4,685	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	
1/2	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	
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	
1	98	1	1,269	1	2,440	1	3,612	1	4,783	1		1		1		1		1		1		1		1		1		1	
1/4	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	
1/2	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	
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	
2	195	2	1,367	2	2,538	2	3,709	2	4,881	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	
1/2	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	
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	293	3	1,464	3	2,636	3	3,807	3	4,978	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	
1/2	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	
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	
4	390	4	1,562	4	2,733	4	3,904	4	5,076	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	
1/2	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	
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	
5	488	5	1,659	5	2,831	5	4,002	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	5,140	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	5,165	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		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	5	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	5	6		6		6		6		6		6		6		6		6		6	
1/2	634	1/2	1,806	1/2	2,977	1/2	4,149	1/2	5	6		6		6		6		6		6		6		6		6		6	
3/4	659	3/4	1,830	3/4	3,002	3/4	4,173	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	5	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	5	7		7		7		7		7		7		7		7		7		7	
1/2	732	1/2	1,903	1/2	3,075	1/2	4,246	1/2	5	7		7		7		7		7		7		7		7		7		7	
3/4	756	3/4	1,928	3/4	3,099	3/4	4,271	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	6	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	6	8		8		8		8		8		8		8		8		8		8	
1/2	830	1/2	2,001	1/2	3,172	1/2	4,344	1/2	6	8		8		8		8		8		8		8		8		8		8	
3/4	854	3/4	2,025	3/4	3,197	3/4	4,368	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	7	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	7	9		9		9		9		9		9		9		9		9		9	
1/2	927	1/2	2,099	1/2	3,270	1/2	4,441	1/2	7	9		9		9		9		9		9		9		9		9		9	
3/4	952	3/4	2,123	3/4	3,294	3/4	4,466	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	976	10	2,147	10	3,319	10	4,490	10	10	10		10		10		10		10		10		10		10		10		10	
1/4	1,001	1/4	2,172	1/4	3,343	1/4	4,515	1/4	11	11		11		11		11		11		11		11		11		11		11	
1/2	1,025	1/2	2,196	1/2	3,368	1/2	4,539	1/2	11	11		11		11		11		11		11		11		11		11		11	
3/4	1,049	3/4	2,221	3/4	3,392	3/4	4,563	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,074	11	2,245	11	3,416	11	4,588	11	11	11		11		11		11		11		11		11		11		11		11	
1/4	1,098	1/4	2,269	1/4	3,441	1/4	4,612	1/4	12	12		12		12		12		12		12		12		12		12		12	
1/2	1,123	1/2	2,294	1/2	3,465	1/2	4,637	1/2	12	12		12		12		12		12		12		12		12		12		12	
3/4	1,147	3/4	2,318	3/4</td																									



BARGE "HFL-403"

HINES FURLONG LINE

OUTAGE TABLE

PORT SLOP TANK

HULL NO. 4594

		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	4,271	0	3,099	0	1,928	0	756	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	4,246	1/4	3,075	1/4	1,903	1/4	732	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	4,222	1/2	3,050	1/2	1,879	1/2	708	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	4,197	3/4	3,026	3/4	1,855	3/4	683	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	4,173	1	3,002	1	1,830	1	659	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	4,149	1/4	2,977	1/4	1,806	1/4	634	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	4,124	1/2	2,953	1/2	1,781	1/2	610	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	4,100	3/4	2,928	3/4	1,757	3/4	586	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	4,075	2	2,904	2	1,733	2	561	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	4,051	1/4	2,880	1/4	1,708	1/4	537	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	4,026	1/2	2,855	1/2	1,684	1/2	512	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	4,002	3/4	2,831	3/4	1,659	3/4	488	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	3,978	3	2,806	3	1,635	3	464	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	3,953	1/4	2,782	1/4	1,611	1/4	439	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	3,929	1/2	2,758	1/2	1,586	1/2	415	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	5,076	3/4	3,904	3/4	2,733	3/4	1,562	3/4	390	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	5,051	4	3,880	4	2,709	4	1,537	4	366	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	5,027	1/4	3,856	1/4	2,684	1/4	1,513	1/4	342	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	5,003	1/2	3,831	1/2	2,660	1/2	1,489	1/2	317	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	4,978	3/4	3,807	3/4	2,636	3/4	1,464	3/4	293	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	4,954	5	3,782	5	2,611	5	1,440	5	268	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	4,929	1/4	3,758	1/4	2,587	1/4	1,415	1/4	244	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	4,905	1/2	3,734	1/2	2,562	1/2	1,391	1/2	220	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	4,881	3/4	3,709	3/4	2,538	3/4	1,367	3/4	195	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	4,856	6	3,685	6	2,514	6	1,342	6	171	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	4,832	1/4	3,660	1/4	2,489	1/4	1,318	1/4	146	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	4,807	1/2	3,636	1/2	2,465	1/2	1,293	1/2	122	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	4,783	3/4	3,612	3/4	2,440	3/4	1,269	3/4	98	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	4,759	7	3,587	7	2,416	7	1,245	7	73	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	4,734	1/4	3,563	1/4	2,391	1/4	1,220	1/4	49	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	4,710	1/2	3,538	1/2	2,367	1/2	1,196	1/2	24	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	4,685	3/4	3,514	3/4	2,343	3/4	1,171	3/4	0	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	4,661	8	3,490	8	2,318	8	1,147	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	4,637	1/4	3,465	1/4	2,294	1/4	1,123	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	4,612	1/2	3,441	1/2	2,269	1/2	1,098	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	4,588	3/4	3,416	3/4	2,245	3/4	1,074	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	4,563	9	3,392	9	2,221	9	1,049	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	4,539	1/4	3,368	1/4	2,196	1/4	1,025	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	4,515	1/2	3,343	1/2	2,172	1/2	1,001	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	4,490																						



**BARGE "HFL-403"
HINES FURLONG LINE**

OUTAGE TABLE

STAR SLOP TANK

HULL NO. 4594

CAPACITIES GIVEN IN U.S. GALLONS

STRAPPED: 11/2707

REFERENCE GAUGE HEIGHT : 6'-7 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.

INSPECTORATE AMERICA CORPORATION