

BARGE "HFL-401"

HINES FURLONG LINE

INNAGE TABLE

1 PORT

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

HULL NO. 4593

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	29,134	0	44,180	0	59,227	0	74,273	0	89,319	0	104,366	0	119,412	0	134,458	0	149,505	0	164,551	0	179,598	0	194,644	0	209,690
1/4	1,102	1/4	14,560	1/4	29,447	1/4	44,494	1/4	59,540	1/4	74,586	1/4	89,633	1/4	104,679	1/4	119,726	1/4	134,772	1/4	149,818	1/4	164,865	1/4	179,911	1/4	194,957	1/4	210,004
1/2	1,301	1/2	14,860	1/2	29,761	1/2	44,807	1/2	59,854	1/2	74,900	1/2	89,946	1/2	104,993	1/2	120,039	1/2	135,085	1/2	150,132	1/2	165,178	1/2	180,225	1/2	195,271	1/2	210,294
3/4	1,500	3/4	15,161	3/4	30,074	3/4	45,121	3/4	60,167	3/4	75,213	3/4	90,260	3/4	105,306	3/4	120,353	3/4	135,399	3/4	150,445	3/4	165,492	3/4	180,538	3/4	195,584	3/4	210,584
1	1,752	1	15,462	1	30,388	1	45,434	1	60,480	1	75,527	1	90,573	1	105,620	1	120,666	1	135,712	1	150,759	1	165,805	1	180,851	1	195,898	1	210,875
1/4	2,005	1/4	15,762	1/4	30,701	1/4	45,748	1/4	60,794	1/4	75,840	1/4	90,887	1/4	105,933	1/4	120,979	1/4	136,026	1/4	151,072	1/4	166,119	1/4	181,165	1/4	196,211	1/4	211,165
1/2	2,275	1/2	16,063	1/2	31,015	1/2	46,061	1/2	61,107	1/2	76,154	1/2	91,200	1/2	106,247	1/2	121,293	1/2	136,339	1/2	151,386	1/2	166,432	1/2	181,478	1/2	196,525	1/2	211,409
3/4	2,545	3/4	16,364	3/4	31,328	3/4	46,375	3/4	61,421	3/4	76,467	3/4	91,514	3/4	106,560	3/4	121,606	3/4	136,653	3/4	151,699	3/4	166,745	3/4	181,792	3/4	196,838	3/4	211,652
2	2,820	2	16,669	2	31,642	2	46,688	2	61,734	2	76,781	2	91,827	2	106,873	2	121,920	2	136,966	2	152,013	2	167,059	2	182,105	2	197,152	2	211,896
1/4	3,095	1/4	16,975	1/4	31,955	1/4	47,001	1/4	62,048	1/4	77,094	1/4	92,141	1/4	107,187	1/4	122,233	1/4	137,280	1/4	152,326	1/4	167,372	1/4	182,419	1/4	197,465	1/4	212,140
1/2	3,370	1/2	17,281	1/2	32,269	1/2	47,315	1/2	62,361	1/2	77,408	1/2	92,454	1/2	107,500	1/2	122,547	1/2	137,593	1/2	152,640	1/2	167,686	1/2	182,732	1/2	197,779	1/2	212,337
3/4	3,645	3/4	17,587	3/4	32,582	3/4	47,628	3/4	62,675	3/4	77,721	3/4	92,767	3/4	107,814	3/4	122,860	3/4	137,907	3/4	152,953	3/4	167,999	3/4	183,046	3/4	198,092	3/4	212,535
3	3,920	3	17,893	3	32,895	3	47,942	3	62,988	3	78,035	3	93,081	3	108,127	3	123,174	3	138,220	3	153,266	3	168,313	3	183,359	3	198,406	3	212,732
1/4	4,195	1/4	18,198	1/4	33,209	1/4	48,255	1/4	63,302	1/4	78,348	1/4	93,394	1/4	108,441	1/4	123,487	1/4	138,534	1/4	153,580	1/4	168,626	1/4	183,673	1/4	198,719	1/4	212,929
1/2	4,471	1/2	18,504	1/2	33,522	1/2	48,569	1/2	63,615	1/2	78,662	1/2	93,708	1/2	108,754	1/2	123,801	1/2	138,847	1/2	153,893	1/2	168,940	1/2	183,986	1/2	199,032	1/2	213,080
3/4	4,746	3/4	18,810	3/4	33,836	3/4	48,882	3/4	63,929	3/4	78,975	3/4	94,021	3/4	109,068	3/4	124,114	3/4	139,160	3/4	154,207	3/4	169,253	3/4	184,300	3/4	199,346	3/4	213,231
4	5,026	4	19,121	4	34,149	4	49,196	4	64,242	4	79,288	4	94,335	4	109,381	4	124,428	4	139,474	4	154,520	4	169,567	4	184,613	4	199,659	4	213,382
1/4	5,306	1/4	19,432	1/4	34,463	1/4	49,509	1/4	64,556	1/4	79,602	1/4	94,648	1/4	109,695	1/4	124,741	1/4	139,787	1/4	154,834	1/4	169,880	1/4	184,926	1/4	199,973	1/4	213,532
1/2	5,586	1/2	19,743	1/2	34,776	1/2	49,823	1/2	64,869	1/2	79,915	1/2	94,962	1/2	110,008	1/2	125,054	1/2	140,101	1/2	155,147	1/2	170,194	1/2	185,240	1/2	200,286	1/2	213,637
3/4	5,867	3/4	20,054	3/4	35,090	3/4	50,136	3/4	65,182	3/4	80,229	3/4	95,275	3/4	111,322	3/4	126,368	3/4	140,414	3/4	155,461	3/4	170,507	3/4	185,553	3/4	200,600	3/4	213,741
5	6,147	5	20,364	5	35,403	5	50,450	5	65,496	5	80,542	5	95,589	5	110,635	5	125,681	5	140,728	5	155,774	5	170,821	5	185,867	5	200,913	5	213,846
1/4	6,427	1/4	20,675	1/4	35,717	1/4	50,763	1/4	65,809	1/4	80,856	1/4	95,902	1/4	110,949	1/4	125,995	1/4	141,041	1/4	156,088	1/4	171,134	1/4	186,180	1/4	201,227	1/4	213,950
1/2	6,707	1/2	20,986	1/2	36,030	1/2	51,077	1/2	66,123	1/2	81,169	1/2	96,216	1/2	112,262	1/2	126,308	1/2	141,355	1/2	156,401	1/2	171,447	1/2	186,494	1/2	201,540	1/2	214,008
3/4	6,987	3/4	21,297	3/4	36,344	3/4	51,390	3/4	66,436	3/4	81,483	3/4	96,529	3/4	111,575	3/4	126,622	3/4	141,668	3/4	156,715	3/4	171,761	3/4	186,807	3/4	201,854	3/4	214,066
6	7,273	6	21,611	6	36,657	6	51,703	6	66,750	6	81,796	6	96,843	6	111,889	6	126,935	6	141,982	6	157,028	6	172,074	6	187,121	6	202,167	6	214,124
1/4	7,558	1/4	21,924	1/4	36,971	1/4	52,017	1/4	67,063	1/4	82,110	1/4	97,156	1/4	112,202	1/4	127,249	1/4	142,295	1/4	157,341	1/4	172,388	1/4	187,434	1/4	202,481	1/4	214,182
1/2	7,843	1/2	22,238	1/2	37,284	1/2	52,330	1/2	67,377	1/2	82,423	1/2	97,469	1/2	112,516	1/2	127,562	1/2	142,609	1/2	157,655	1/2	172,701	1/2	187,748	1/2	202,794	1/2	214,199
3/4	8,129	3/4	22,551	3/4	37,597	3/4	52,644	3/4	67,690	3/4	82,737	3/4	97,783	3/4	112,829	3/4	127,876	3/4	142,922	3/4	157,968	3/4	173,015	3/4	188,061	3/4	203,108	3/4	214,216
7	8,414	7	22,865	7	37,911	7	52,957	7	68,004	7	83,050	7	98,096	7	113,143	7	128,189	7	143,236	7	158,282	7	173,328	7	188,375	7	203,421	7	214,233
1/4	8,700	1/4	23,178	1/4	38,224	1/4	53,271	1/4	68,317	1/4	83,364	1/4	98,410	1/4	113,456	1/4	128,503	1/4	143,549	1/4	158,595	1/4	173,642	1/4	188,688	1/4	203,734	1/4	214,233
1/2	8,985	1/2	23,492	1/2	38,538	1/2	53,584	1/2	68,631	1/2	83,677	1/2	98,723	1/2	113,770	1/2	128,816	1/2	143,862	1/2	158,909	1/2	173,955	1/2	189,002	1/2	204,048	1/2	214,233
3/4	9,270	3/4	23,805	3/4	38,851	3/4	53,898	3/4	68,944	3/4	83,990	3/4	99,037	3/4	114,083	3/4	129,130	3/4	144,176	3/4	159,222	3/4	174,269	3/4	189,315	3/4	204,361	3/4	214,233
8	9,561	8	24,118	8	39,165	8	54,211	8	69,258	8	84,304	8	99,350	8	1														



BARGE "HFL-401"

HINES FURLONG LINE

INNAGE TABLE

1 STAR

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

HULL NO. 4593

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	29,134	0	44,180	0	59,227	0	74,273	0	89,319	0	104,366	0	119,412	0	134,458	0	149,505	0	164,551	0	179,598	0	194,644	0	209,690
1/4	1,102	1/4	14,560	1/4	29,447	1/4	44,494	1/4	59,540	1/4	74,586	1/4	89,633	1/4	104,679	1/4	119,726	1/4	134,772	1/4	149,818	1/4	164,865	1/4	179,911	1/4	194,957	1/4	210,004
1/2	1,301	1/2	14,860	1/2	29,761	1/2	44,807	1/2	59,854	1/2	74,900	1/2	89,946	1/2	104,993	1/2	120,039	1/2	135,085	1/2	150,132	1/2	165,178	1/2	180,225	1/2	195,271	1/2	210,294
3/4	1,500	3/4	15,161	3/4	30,074	3/4	45,121	3/4	60,167	3/4	75,213	3/4	90,260	3/4	105,306	3/4	120,353	3/4	135,399	3/4	150,445	3/4	165,492	3/4	180,538	3/4	195,584	3/4	210,584
1	1,752	1	15,462	1	30,388	1	45,434	1	60,480	1	75,527	1	90,573	1	105,620	1	120,666	1	135,712	1	150,759	1	165,805	1	180,851	1	195,898	1	210,875
1/4	2,005	1/4	15,762	1/4	30,701	1/4	45,748	1/4	60,794	1/4	75,840	1/4	90,887	1/4	105,933	1/4	120,979	1/4	136,026	1/4	151,072	1/4	166,119	1/4	181,165	1/4	196,211	1/4	211,165
1/2	2,275	1/2	16,063	1/2	31,015	1/2	46,061	1/2	61,107	1/2	76,154	1/2	91,200	1/2	106,247	1/2	121,293	1/2	136,339	1/2	151,386	1/2	166,432	1/2	181,478	1/2	196,525	1/2	211,409
3/4	2,545	3/4	16,364	3/4	31,328	3/4	46,375	3/4	61,421	3/4	76,467	3/4	91,514	3/4	106,560	3/4	121,606	3/4	136,653	3/4	151,699	3/4	166,745	3/4	181,792	3/4	196,838	3/4	211,652
2	2,820	2	16,669	2	31,642	2	46,688	2	61,734	2	76,781	2	91,827	2	106,873	2	121,920	2	136,966	2	152,013	2	167,059	2	182,105	2	197,152	2	211,896
1/4	3,095	1/4	16,975	1/4	31,955	1/4	47,001	1/4	62,048	1/4	77,094	1/4	92,141	1/4	107,187	1/4	122,233	1/4	137,280	1/4	152,326	1/4	167,372	1/4	182,419	1/4	197,465	1/4	212,140
1/2	3,370	1/2	17,281	1/2	32,269	1/2	47,315	1/2	62,361	1/2	77,408	1/2	92,454	1/2	107,500	1/2	122,547	1/2	137,593	1/2	152,640	1/2	167,686	1/2	182,732	1/2	197,779	1/2	212,337
3/4	3,645	3/4	17,587	3/4	32,582	3/4	47,628	3/4	62,675	3/4	77,721	3/4	92,767	3/4	107,814	3/4	122,860	3/4	137,907	3/4	152,953	3/4	167,999	3/4	183,046	3/4	198,092	3/4	212,535
3	3,920	3	17,893	3	32,895	3	47,942	3	62,988	3	78,035	3	93,081	3	108,127	3	123,174	3	138,220	3	153,266	3	168,313	3	183,359	3	198,406	3	212,732
1/4	4,195	1/4	18,198	1/4	33,209	1/4	48,255	1/4	63,302	1/4	78,348	1/4	93,394	1/4	108,441	1/4	123,487	1/4	138,534	1/4	153,580	1/4	168,626	1/4	183,673	1/4	198,719	1/4	212,929
1/2	4,471	1/2	18,504	1/2	33,522	1/2	48,569	1/2	63,615	1/2	78,662	1/2	93,708	1/2	108,754	1/2	123,801	1/2	138,847	1/2	153,893	1/2	168,940	1/2	183,986	1/2	199,032	1/2	213,080
3/4	4,746	3/4	18,810	3/4	33,836	3/4	48,882	3/4	63,929	3/4	78,975	3/4	94,021	3/4	109,068	3/4	124,114	3/4	139,160	3/4	154,207	3/4	169,253	3/4	184,300	3/4	199,346	3/4	213,231
4	5,026	4	19,121	4	34,149	4	49,196	4	64,242	4	79,288	4	94,335	4	109,381	4	124,428	4	139,474	4	154,520	4	169,567	4	184,613	4	199,659	4	213,382
1/4	5,306	1/4	19,432	1/4	34,463	1/4	49,509	1/4	64,556	1/4	79,602	1/4	94,648	1/4	109,695	1/4	124,741	1/4	139,787	1/4	154,834	1/4	169,880	1/4	184,926	1/4	199,973	1/4	213,532
1/2	5,586	1/2	19,743	1/2	34,776	1/2	49,823	1/2	64,869	1/2	79,915	1/2	94,962	1/2	110,008	1/2	125,054	1/2	140,101	1/2	155,147	1/2	170,194	1/2	185,240	1/2	200,286	1/2	213,637
3/4	5,867	3/4	20,054	3/4	35,090	3/4	50,136	3/4	65,182	3/4	80,229	3/4	95,275	3/4	110,322	3/4	125,368	3/4	140,414	3/4	155,461	3/4	170,507	3/4	185,553	3/4	200,600	3/4	213,741
5	6,147	5	20,364	5	35,403	5	50,450	5	65,496	5	80,542	5	95,589	5	110,635	5	125,681	5	140,728	5	155,774	5	170,821	5	185,867	5	200,913	5	213,846
1/4	6,427	1/4	20,675	1/4	35,717	1/4	50,763	1/4	65,809	1/4	80,856	1/4	95,902	1/4	110,949	1/4	125,995	1/4	141,041	1/4	156,088	1/4	171,134	1/4	186,180	1/4	201,227	1/4	213,950
1/2	6,707	1/2	20,986	1/2	36,030	1/2	51,077	1/2	66,123	1/2	81,169	1/2	96,216	1/2	111,262	1/2	126,308	1/2	141,355	1/2	156,401	1/2	171,447	1/2	186,494	1/2	201,540	1/2	214,008
3/4	6,987	3/4	21,297	3/4	36,344	3/4	51,390	3/4	66,436	3/4	81,483	3/4	96,529	3/4	111,575	3/4	126,622	3/4	141,668	3/4	156,715	3/4	171,761	3/4	186,807	3/4	201,854	3/4	214,066
6	7,273	6	21,611	6	36,657	6	51,703	6	66,750	6	81,796	6	96,843	6	111,889	6	126,935	6	141,982	6	157,028	6	172,074	6	187,121	6	202,167	6	214,124
1/4	7,558	1/4	21,924	1/4	36,971	1/4	52,017	1/4	67,063	1/4	82,110	1/4	97,156	1/4	112,202	1/4	127,249	1/4	142,295	1/4	157,341	1/4	172,388	1/4	187,434	1/4	202,481	1/4	214,182
1/2	7,843	1/2	22,238	1/2	37,284	1/2	52,330	1/2	67,377	1/2	82,423	1/2	97,469	1/2	112,516	1/2	127,562	1/2	142,609	1/2	157,655	1/2	172,701	1/2	187,748	1/2	202,794	1/2	214,199
3/4	8,129	3/4	22,551	3/4	37,597	3/4	52,644	3/4	67,690	3/4	82,737	3/4	97,783	3/4	112,829	3/4	127,876	3/4	142,922	3/4	157,968	3/4	173,015	3/4	188,061	3/4	203,108	3/4	214,216
7	8,414	7	22,865	7	37,911	7	52,957	7	68,004	7	83,050	7	98,096	7	113,143	7	128,189	7	143,236	7	158,282	7	173,328	7	188,375	7	203,421	7	214,233
1/4	8,700	1/4	23,178	1/4	38,224	1/4	53,271	1/4	68,317	1/4	83,364	1/4	98,410	1/4	113,456	1/4	128,503	1/4	143,549	1/4	158,595	1/4	173,642	1/4	188,688	1/4	203,734	1/4	214,233
1/2	8,985	1/2	23,492	1/2	38,538	1/2	53,584	1/2	68,631	1/2	83,677	1/2	98,723	1/2	113,770	1/2	128,816	1/2	143,862	1/2	158,909	1/2	173,955	1/2	189,002	1/2	204,048	1/2	214,233
3/4	9,270	3/4	23,805	3/4	38,851	3/4	53,898	3/4	68,944	3/4	83,990	3/4	99,037	3/4	114,083	3/4	129,130	3/4	144,176	3/4	159,222	3/4	174,269	3/4	189,315	3/4	204,361	3/4	214,233
8	9,561	8	24,118	8	39,165	8	54,211	8	69,258	8	84,304	8	99,350	8															



INSPECTORATE

ISO 9002 ACCREDITED

BARGE "HFL-401" HINES FURLONG LINE

INNAGE TABLE

2 PORT

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

HULL NO. 4593

DRAINS SHOULD BE ON ELEVATION LEVEL WITH DRAWS ARE TAKEN																TUBE NO. 4555														
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	15,710	0	30,792	0	45,874	0	60,956	0	76,038	0	91,121	0	106,203	0	121,285	0	136,367	0	151,449	0	166,532	0	181,614	0	196,696	0	211,679
1/4	1,166	1/4	16,024	1/4	31,106	1/4	46,188	1/4	61,271	1/4	76,353	1/4	91,435	1/4	106,517	1/4	121,599	1/4	136,681	1/4	151,764	1/4	166,846	1/4	181,928	1/4	197,010	1/4	211,991	
1/2	1,391	1/2	16,338	1/2	31,420	1/2	46,503	1/2	61,585	1/2	76,667	1/2	91,749	1/2	106,831	1/2	121,913	1/2	136,996	1/2	152,078	1/2	167,160	1/2	182,242	1/2	197,324	1/2	212,280	
3/4	1,615	3/4	16,652	3/4	31,735	3/4	46,817	3/4	61,899	3/4	76,981	3/4	92,063	3/4	107,145	3/4	122,228	3/4	137,310	3/4	152,392	3/4	167,474	3/4	182,556	3/4	197,639	3/4	212,569	
1	1,907	1	16,967	1	32,049	1	47,131	1	62,213	1	77,295	1	92,377	1	107,460	1	122,542	1	137,624	1	152,706	1	167,788	1	182,871	1	197,951	1	212,858	
1/4	2,199	1/4	17,281	1/4	32,363	1/4	47,445	1/4	62,527	1/4	77,610	1/4	92,692	1/4	107,774	1/4	122,856	1/4	137,938	1/4	153,020	1/4	168,103	1/4	183,185	1/4	198,263	1/4	213,146	
1/2	2,513	1/2	17,595	1/2	32,677	1/2	47,759	1/2	62,842	1/2	77,924	1/2	93,006	1/2	108,088	1/2	123,170	1/2	138,252	1/2	153,335	1/2	168,417	1/2	183,499	1/2	198,575	1/2	213,391	
3/4	2,827	3/4	17,909	3/4	32,991	3/4	48,074	3/4	63,156	3/4	78,238	3/4	93,320	3/4	108,402	3/4	123,484	3/4	138,567	3/4	153,649	3/4	168,731	3/4	183,813	3/4	198,887	3/4	213,635	
2	3,141	2	18,223	2	33,306	2	48,388	2	63,470	2	78,552	2	93,634	2	108,717	2	123,799	2	138,881	2	153,963	2	169,045	2	184,127	2	199,199	2	213,879	
1/4	3,456	1/4	18,538	1/4	33,620	1/4	48,702	1/4	63,784	1/4	78,866	1/4	93,949	1/4	109,031	1/4	124,113	1/4	139,195	1/4	154,277	1/4	169,359	1/4	184,442	1/4	199,511	1/4	214,124	
1/2	3,770	1/2	18,852	1/2	33,934	1/2	49,016	1/2	64,098	1/2	79,181	1/2	94,263	1/2	109,345	1/2	124,427	1/2	139,509	1/2	154,591	1/2	169,674	1/2	184,756	1/2	199,823	1/2	214,321	
3/4	4,084	3/4	19,166	3/4	34,248	3/4	49,330	3/4	64,413	3/4	79,495	3/4	94,577	3/4	109,659	3/4	124,741	3/4	139,824	3/4	154,906	3/4	169,988	3/4	185,070	3/4	200,135	3/4	214,519	
3	4,398	3	19,480	3	34,562	3	49,645	3	64,727	3	79,809	3	94,891	3	109,973	3	125,056	3	140,138	3	155,220	3	170,302	3	185,384	3	200,447	3	214,717	
1/4	4,712	1/4	19,795	1/4	34,877	1/4	49,959	1/4	65,041	1/4	80,123	1/4	95,205	1/4	110,288	1/4	125,370	1/4	140,452	1/4	155,534	1/4	170,616	1/4	185,698	1/4	200,759	1/4	214,915	
1/2	5,027	1/2	20,109	1/2	35,191	1/2	50,273	1/2	65,355	1/2	80,437	1/2	95,520	1/2	110,602	1/2	125,684	1/2	140,766	1/2	155,848	1/2	170,930	1/2	186,013	1/2	201,071	1/2	215,066	
3/4	5,341	3/4	20,423	3/4	35,505	3/4	50,587	3/4	65,669	3/4	80,752	3/4	95,834	3/4	110,916	3/4	125,998	3/4	141,080	3/4	156,163	3/4	171,245	3/4	186,327	3/4	201,383	3/4	215,217	
4	5,655	4	20,737	4	35,819	4	50,902	4	65,984	4	81,066	4	96,148	4	111,230	4	126,312	4	141,395	4	156,477	4	171,559	4	186,641	4	201,695	4	215,368	
1/4	5,969	1/4	21,051	1/4	36,134	1/4	51,216	1/4	66,298	1/4	81,380	1/4	96,462	1/4	111,544	1/4	126,627	1/4	141,709	1/4	156,791	1/4	171,873	1/4	186,955	1/4	202,007	1/4	215,519	
1/2	6,283	1/2	21,366	1/2	36,448	1/2	51,530	1/2	66,612	1/2	81,694	1/2	96,776	1/2	111,859	1/2	126,941	1/2	142,023	1/2	157,105	1/2	172,187	1/2	187,270	1/2	202,319	1/2	215,624	
3/4	6,598	3/4	21,680	3/4	36,762	3/4	51,844	3/4	66,926	3/4	82,008	3/4	97,091	3/4	112,173	3/4	127,255	3/4	142,337	3/4	157,419	3/4	172,502	3/4	187,584	3/4	202,631	3/4	215,729	
5	6,912	5	21,994	5	37,076	5	52,158	5	67,241	5	82,323	5	97,405	5	112,487	5	127,569	5	142,651	5	157,734	5	172,816	5	187,898	5	202,943	5	215,833	
1/4	7,226	1/4	22,308	1/4	37,390	1/4	52,473	1/4	67,555	1/4	82,637	1/4	97,719	1/4	112,801	1/4	127,883	1/4	142,966	1/4	158,048	1/4	173,130	1/4	188,212	1/4	203,255	1/4	215,938	
1/2	7,540	1/2	22,622	1/2	37,705	1/2	52,787	1/2	67,869	1/2	82,951	1/2	98,033	1/2	113,115	1/2	128,198	1/2	143,280	1/2	158,362	1/2	173,444	1/2	188,526	1/2	203,567	1/2	215,996	
3/4	7,854	3/4	22,937	3/4	38,019	3/4	53,101	3/4	68,183	3/4	83,265	3/4	98,348	3/4	113,430	3/4	128,512	3/4	143,594	3/4	158,676	3/4	173,758	3/4	188,841	3/4	203,879	3/4	216,054	
6	8,169	6	23,251	6	38,333	6	53,415	6	68,497	6	83,580	6	98,662	6	113,744	6	128,826	6	143,908	6	158,990	6	174,073	6	189,155	6	204,191	6	216,112	
1/4	8,483	1/4	23,565	1/4	38,647	1/4	53,729	1/4	68,812	1/4	83,894	1/4	98,976	1/4	114,058	1/4	129,140	1/4	144,222	1/4	159,305	1/4	174,387	1/4	189,469	1/4	204,503	1/4	216,170	
1/2	8,797	1/2	23,879	1/2	38,961	1/2	54,044	1/2	69,126	1/2	84,208	1/2	99,290	1/2	114,372	1/2	129,455	1/2	144,537	1/2	159,619	1/2	174,701	1/2	189,783	1/2	204,815	1/2	216,187	
3/4	9,111	3/4	24,193	3/4	39,276	3/4	54,358	3/4	69,440	3/4	84,522	3/4	99,604	3/4	114,687	3/4	129,769	3/4	144,851	3/4	159,933	3/4	175,015	3/4	190,097	3/4	205,127	3/4	216,205	
7	9,426	7	24,508	7	39,590	7	54,672	7	69,754	7	84,836	7	99,919	7	115,001	7	130,083	7	145,165	7	160,247	7	175,329	7	190,412	7	205,439	7	216,222	
1/4	9,740	1/4	24,822	1/4	39,904	1/4	54,986	1/4	70,068	1/4	85,151	1/4	100,233	1/4	115,315	1/4	130,397	1/4	145,479	1/4	160,562	1/4	175,644	1/4	190,726	1/4	205,751	1/4	216,112	
1/2	10,054	1/2	25,136	1/2	40,218	1/2	55,300	1/2	70,383	1/2	85,465	1/2	100,547	1/2	115,629	1/2	130,711	1/2	145,794	1/2	160,876	1/2	175,958	1/2	191,040	1/2	206,063	1/2	216,205	
3/4	10,368	3/4	25,450	3/4	40,533	3/4	55,615	3/4	70,697	3/4	85,779	3/4	100,861	3/4	115,943	3/4	131,026	3/4	146,108	3/4	161,190	3/4	176,272	3/4	191,354	3/4	206,375	3/4	216,205	
8	10,682	8	25,765	8	40,847	8	55,929	8	71,101	8	86,093	8	101,175	8	116,258	8	131,340	8	146,422	8	161,504	8	176,586	8	191,668	8	206,687	8	216,222	
1/4	10,997	1/4	26,079	1/4	41,161	1/4	56,243	1/4	71,325	1/4	86,407	1/4	101,490	1/4	116,572	1/4	131,654	1/4	146,736	1/4	161,818	1/4	176,901	1/4	191,983	1/4	206,999	1/4	216,222	
1/2	11,311	1/2	26,393	1/2	41,475	1/2	56,557	1/2	71,640	1/2	86,722	1/2	101,804	1/2	116,886	1/2	131,968	1/2	147,050	1/2	162,133	1/2	177,215	1/2	192,297	1/2	207,311	1/2	216,222	
3/4	11,625	3/4	26,707	3/4	41,789	3/4	56,872	3/4	71,954	3/4	87,036	3/4	102,118	3/4	117,200	3/4	132,282	3/4	147,365	3/4	162,447	3/4	177,529	3/4	192,611	3/4	207,623	3/4	216,222	
9	11,939	9	27,021	9	42,104	9	57,186	9	72,268	9	87,350	9	102,432	9	117,514	9	132,597	9	147,679	9	162,761	9	177,843	9	192,925	9	207,935	9	216,222	
1/4	12,253	1/4	27,336	1/4	42,418	1/4	57,500	1/4	72,582	1/4	87,664	1/4	102,746	1/4	117,829	1/4	132,911	1/4	147,993	1/4	163,075	1/4	178,157	1/4	193,240	1/4	208,247	1/4	216,222	
1/2	12,568	1/2	27,650	1/2	42,732	1/2	57,814	1/2	72,896	1/2	87,979	1/2	103,061	1/2	118,143	1/2	133,225	1/2	148,307	1/2	163,389	1/2	178,472	1/2	193,554	1/2	208,559	1/2	216,222	
3/4	12,882	3/4	27,964	3/4	43,046	3/4	58,128	3/4	73,211	3/4	88,293	3/4	103,375	3/4	118,457	3/4	133,539	3/4	148,621	3/4	163,704	3/4	178,786</td							

CAPACITIES GIVEN IN U.S. GALLONS

STRAPPED: 11/13/07

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 16'-4 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



BARGE "HFL-401"

HINES FURLONG LINE

INNAGE TABLE

2 STAR

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

HULL NO. 4593

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	15,710	0	30,792	0	45,874	0	60,956	0	76,038	0	91,121	0	106,203	0	121,285	0	136,367	0	151,449	0	166,532	0	181,614	0	196,696	0	211,679
1/4	1,166	1/4	16,024	1/4	31,106	1/4	46,188	1/4	61,271	1/4	76,353	1/4	91,435	1/4	106,517	1/4	121,599	1/4	136,681	1/4	151,764	1/4	166,846	1/4	181,928	1/4	197,010	1/4	211,991
1/2	1,391	1/2	16,338	1/2	31,420	1/2	46,503	1/2	61,585	1/2	76,667	1/2	91,749	1/2	106,831	1/2	121,913	1/2	136,996	1/2	152,078	1/2	167,160	1/2	182,242	1/2	197,324	1/2	212,280
3/4	1,615	3/4	16,652	3/4	31,735	3/4	46,817	3/4	61,899	3/4	76,981	3/4	92,063	3/4	107,145	3/4	122,228	3/4	137,310	3/4	152,392	3/4	167,474	3/4	182,556	3/4	197,639	3/4	212,569
1	1,907	1	16,967	1	32,049	1	47,131	1	62,213	1	77,295	1	92,377	1	107,460	1	122,542	1	137,624	1	152,706	1	167,788	1	182,871	1	197,951	1	212,858
1/4	2,199	1/4	17,281	1/4	32,363	1/4	47,445	1/4	62,527	1/4	77,610	1/4	92,692	1/4	107,774	1/4	122,856	1/4	137,938	1/4	153,020	1/4	168,103	1/4	183,185	1/4	198,263	1/4	213,146
1/2	2,513	1/2	17,595	1/2	32,677	1/2	47,759	1/2	62,842	1/2	77,924	1/2	93,006	1/2	108,088	1/2	123,170	1/2	138,252	1/2	153,335	1/2	168,417	1/2	183,499	1/2	198,575	1/2	213,391
3/4	2,827	3/4	17,909	3/4	32,991	3/4	48,074	3/4	63,156	3/4	78,238	3/4	93,320	3/4	108,402	3/4	123,484	3/4	138,567	3/4	153,649	3/4	168,731	3/4	183,813	3/4	198,887	3/4	213,635
2	3,141	2	18,223	2	33,306	2	48,388	2	63,470	2	78,552	2	93,634	2	108,717	2	123,799	2	138,881	2	153,963	2	169,045	2	184,127	2	199,199	2	213,879
1/4	3,456	1/4	18,538	1/4	33,620	1/4	48,702	1/4	63,784	1/4	78,866	1/4	93,949	1/4	109,031	1/4	124,113	1/4	139,195	1/4	154,277	1/4	169,359	1/4	184,442	1/4	199,511	1/4	214,124
1/2	3,770	1/2	18,852	1/2	33,934	1/2	49,016	1/2	64,098	1/2	79,181	1/2	94,263	1/2	109,345	1/2	124,427	1/2	139,509	1/2	154,591	1/2	169,674	1/2	184,756	1/2	199,823	1/2	214,321
3/4	4,084	3/4	19,166	3/4	34,248	3/4	49,330	3/4	64,413	3/4	79,495	3/4	95,659	3/4	104,741	3/4	124,741	3/4	139,824	3/4	154,906	3/4	169,988	3/4	185,070	3/4	200,135	3/4	214,519
3	4,398	3	19,480	3	34,562	3	49,645	3	64,727	3	79,809	3	94,891	3	109,973	3	125,056	3	140,138	3	155,220	3	170,302	3	185,384	3	200,447	3	214,717
1/4	4,712	1/4	19,795	1/4	34,877	1/4	49,959	1/4	65,041	1/4	80,123	1/4	95,205	1/4	110,288	1/4	125,370	1/4	140,452	1/4	155,534	1/4	170,616	1/4	185,698	1/4	200,759	1/4	214,915
1/2	5,027	1/2	20,109	1/2	35,191	1/2	50,273	1/2	65,355	1/2	80,437	1/2	95,520	1/2	110,602	1/2	125,684	1/2	140,766	1/2	155,848	1/2	170,930	1/2	186,013	1/2	201,071	1/2	215,066
3/4	5,341	3/4	20,423	3/4	35,505	3/4	50,587	3/4	65,669	3/4	80,752	3/4	95,834	3/4	110,916	3/4	125,998	3/4	141,080	3/4	156,163	3/4	171,245	3/4	186,327	3/4	201,383	3/4	215,217
4	5,655	4	20,737	4	35,819	4	50,902	4	65,984	4	81,066	4	96,148	4	111,230	4	126,312	4	141,395	4	156,477	4	171,559	4	186,641	4	201,695	4	215,368
1/4	5,969	1/4	21,051	1/4	36,134	1/4	51,216	1/4	66,298	1/4	81,380	1/4	96,462	1/4	111,544	1/4	126,627	1/4	141,709	1/4	156,791	1/4	171,873	1/4	186,955	1/4	202,007	1/4	215,519
1/2	6,283	1/2	21,366	1/2	36,448	1/2	51,530	1/2	66,612	1/2	81,694	1/2	96,776	1/2	111,859	1/2	126,941	1/2	142,023	1/2	157,105	1/2	172,187	1/2	187,270	1/2	202,319	1/2	215,624
3/4	6,598	3/4	21,680	3/4	36,762	3/4	51,844	3/4	66,926	3/4	82,008	3/4	97,091	3/4	112,173	3/4	127,255	3/4	142,337	3/4	157,419	3/4	172,502	3/4	187,584	3/4	202,631	3/4	215,729
5	6,912	5	21,994	5	37,076	5	52,158	5	67,241	5	82,323	5	97,405	5	112,487	5	127,569	5	142,651	5	157,734	5	172,816	5	187,898	5	202,943	5	215,833
1/4	7,226	1/4	22,308	1/4	37,390	1/4	52,473	1/4	67,555	1/4	82,637	1/4	97,719	1/4	112,801	1/4	127,883	1/4	142,966	1/4	158,048	1/4	173,130	1/4	188,212	1/4	203,255	1/4	215,938
1/2	7,540	1/2	22,622	1/2	37,705	1/2	52,787	1/2	67,869	1/2	82,951	1/2	98,033	1/2	113,115	1/2	128,198	1/2	143,280	1/2	158,362	1/2	173,444	1/2	188,526	1/2	203,567	1/2	215,996
3/4	7,854	3/4	22,937	3/4	38,019	3/4	53,101	3/4	68,183	3/4	83,265	3/4	98,348	3/4	113,430	3/4	128,512	3/4	143,594	3/4	158,676	3/4	173,758	3/4	188,841	3/4	203,879	3/4	216,054
6	8,169	6	23,251	6	38,333	6	53,415	6	68,497	6	83,580	6	98,662	6	113,744	6	128,826	6	143,908	6	158,990	6	174,073	6	189,155	6	204,191	6	216,112
1/4	8,483	1/4	23,565	1/4	38,647	1/4	53,729	1/4	68,812	1/4	83,894	1/4	98,976	1/4	114,058	1/4	129,140	1/4	144,222	1/4	159,305	1/4	174,387	1/4	189,469	1/4	204,503	1/4	216,170
1/2	8,797	1/2	23,879	1/2	39,861	1/2	54,044	1/2	69,126	1/2	84,208	1/2	99,290	1/2	114,372	1/2	129,455	1/2	144,537	1/2	159,619	1/2	174,701	1/2	189,783	1/2	204,815	1/2	216,187
3/4	9,111	3/4	24,193	3/4	39,276	3/4	54,358	3/4	69,440	3/4	84,522	3/4	99,604	3/4	114,687	3/4	129,769	3/4	144,851	3/4	159,933	3/4	175,015	3/4	190,097	3/4	205,127	3/4	216,205
7	9,426	7	24,508	7	39,590	7	54,672	7	69,754	7	84,836	7	99,919	7	115,001	7	130,083	7	145,165	7	160,247	7	175,329	7	190,412	7	205,439	7	216,222
1/4	9,740	1/4	24,822	1/4	39,904	1/4	54,986	1/4	70,068	1/4	85,151	1/4	100,233	1/4	115,315	1/4	130,397	1/4	145,479	1/4	160,562	1/4	175,644	1/4	190,726	1/4	205,751	1/4	216,222
1/2	10,054	1/2	25,136	1/2	40,218	1/2	55,300	1/2	70,383	1/2	85,465	1/2	100,547	1/2	115,629	1/2	130,711	1/2	145,794	1/2	160,876	1/2	175,958	1/2	191,040	1/2	206,063	1/2	216,222
3/4	10,368	3/4	25,450	3/4	40,533	3/4	55,615	3/4	70,697	3/4	85,779	3/4	100,861	3/4	115,943	3/4	131,026	3/4	146,108	3/4	161,190	3/4	176,272	3/4	191,354	3/4	206,375	3/4	216,222
8	10,682	8	25,765	8	40,847	8	55,929	8	71,011	8	86,093	8	101,17																



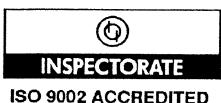
BARGE "HFL-401"

HINES FURLONG LINE

INNAGE TABLE

3 PORT

		BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN																HULL NO. 4593											
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	45,678	0	60,725	0	75,772	0	90,820	0	105,867	0	120,914	0	135,962	0	149,987	0	160,442	0	170,880	0	181,318	0	191,756
1/4	1,161	1/4	15,974	1/4	30,999	1/4	45,991	1/4	61,038	1/4	76,086	1/4	91,133	1/4	106,180	1/4	121,228	1/4	136,275	1/4	150,210	1/4	160,659	1/4	171,097	1/4	181,535	1/4	191,974
1/2	1,384	1/2	16,287	1/2	31,311	1/2	46,305	1/2	61,352	1/2	76,399	1/2	91,447	1/2	106,494	1/2	121,541	1/2	136,589	1/2	150,433	1/2	160,876	1/2	171,315	1/2	181,753	1/2	192,175
3/4	1,608	3/4	16,600	3/4	31,623	3/4	46,618	3/4	61,665	3/4	76,713	3/4	91,760	3/4	106,807	3/4	121,855	3/4	136,902	3/4	150,656	3/4	161,094	3/4	171,532	3/4	181,970	3/4	192,376
1	1,899	1	16,914	1	31,935	1	46,932	1	61,979	1	77,026	1	92,073	1	107,121	1	122,168	1	137,215	1	150,873	1	161,311	1	171,750	1	182,188	1	192,578
1/4	2,190	1/4	17,227	1/4	32,247	1/4	47,245	1/4	62,292	1/4	77,340	1/4	92,387	1/4	107,434	1/4	122,482	1/4	137,529	1/4	151,091	1/4	161,529	1/4	171,967	1/4	182,405	1/4	192,779
1/2	2,503	1/2	17,540	1/2	32,559	1/2	47,558	1/2	62,606	1/2	77,653	1/2	92,700	1/2	107,748	1/2	122,795	1/2	137,842	1/2	151,308	1/2	161,746	1/2	172,185	1/2	182,623	1/2	192,948
3/4	2,816	3/4	17,854	3/4	32,871	3/4	47,872	3/4	62,919	3/4	77,967	3/4	93,014	3/4	108,061	3/4	123,109	3/4	138,156	3/4	151,526	3/4	161,964	3/4	172,402	3/4	182,840	3/4	193,117
2	3,129	2	18,167	2	33,183	2	48,185	2	63,233	2	78,280	2	93,327	2	108,375	2	123,422	2	138,469	2	151,743	2	162,181	2	172,619	2	183,058	2	193,286
1/4	3,443	1/4	18,480	1/4	33,495	1/4	48,499	1/4	63,546	1/4	78,594	1/4	93,641	1/4	108,688	1/4	123,736	1/4	138,783	1/4	151,960	1/4	162,399	1/4	172,837	1/4	183,275	1/4	193,455
1/2	3,756	1/2	18,793	1/2	33,807	1/2	48,812	1/2	63,860	1/2	78,907	1/2	93,954	1/2	109,002	1/2	124,049	1/2	139,096	1/2	152,178	1/2	162,616	1/2	173,054	1/2	183,493	1/2	193,592
3/4	4,069	3/4	19,107	3/4	34,119	3/4	49,126	3/4	64,173	3/4	79,221	3/4	94,268	3/4	109,315	3/4	124,363	3/4	139,410	3/4	152,395	3/4	162,834	3/4	173,272	3/4	183,710	3/4	193,729
3	4,383	3	19,420	3	34,431	3	49,439	3	64,487	3	79,534	3	94,581	3	109,629	3	124,676	3	139,723	3	152,613	3	163,051	3	173,489	3	183,928	3	193,866
1/4	4,696	1/4	19,733	1/4	34,743	1/4	49,753	1/4	64,800	1/4	79,848	1/4	94,895	1/4	109,942	1/4	124,990	1/4	140,037	1/4	152,830	1/4	163,269	1/4	173,707	1/4	184,145	1/4	194,003
1/2	5,009	1/2	20,047	1/2	35,055	1/2	50,066	1/2	65,114	1/2	80,161	1/2	95,208	1/2	110,256	1/2	125,303	1/2	140,350	1/2	153,048	1/2	163,486	1/2	173,924	1/2	184,362	1/2	194,107
3/4	5,322	3/4	20,360	3/4	35,367	3/4	50,380	3/4	65,427	3/4	80,475	3/4	95,522	3/4	110,569	3/4	125,616	3/4	140,664	3/4	153,265	3/4	163,703	3/4	174,142	3/4	184,580	3/4	194,212
4	5,636	4	20,673	4	35,679	4	50,693	4	65,741	4	80,788	4	95,835	4	110,883	4	125,930	4	140,977	4	153,483	4	163,921	4	174,359	4	184,797	4	194,317
1/4	5,949	1/4	20,986	1/4	35,991	1/4	51,007	1/4	66,054	1/4	81,101	1/4	96,149	1/4	111,196	1/4	126,243	1/4	141,291	1/4	153,700	1/4	164,138	1/4	174,577	1/4	185,015	1/4	194,421
1/2	6,262	1/2	21,300	1/2	36,303	1/2	51,320	1/2	66,368	1/2	81,415	1/2	96,462	1/2	111,510	1/2	126,557	1/2	141,604	1/2	153,918	1/2	164,356	1/2	174,794	1/2	185,232	1/2	194,494
3/4	6,576	3/4	21,613	3/4	36,615	3/4	51,634	3/4	66,681	3/4	81,728	3/4	96,776	3/4	111,823	3/4	126,870	3/4	141,918	3/4	154,135	3/4	165,443	3/4	175,012	3/4	185,450	3/4	194,566
5	6,889	5	21,926	5	36,928	5	51,947	5	66,995	5	82,042	5	97,089	5	112,137	5	127,184	5	142,231	5	154,353	5	164,791	5	175,229	5	185,667	5	194,638
1/4	7,202	1/4	22,239	1/4	37,240	1/4	52,261	1/4	67,308	1/4	82,355	1/4	97,403	1/4	112,450	1/4	127,497	1/4	142,545	1/4	154,570	1/4	165,008	1/4	175,446	1/4	185,885	1/4	194,711
1/2	7,515	1/2	22,553	1/2	37,552	1/2	52,574	1/2	67,622	1/2	82,669	1/2	97,716	1/2	112,764	1/2	127,811	1/2	142,858	1/2	154,787	1/2	165,226	1/2	175,664	1/2	186,102	1/2	194,751
3/4	7,829	3/4	22,866	3/4	37,864	3/4	52,888	3/4	67,935	3/4	82,982	3/4	98,030	3/4	113,077	3/4	128,124	3/4	143,172	3/4	155,005	3/4	165,443	3/4	175,881	3/4	186,320	3/4	194,791
6	8,142	6	23,179	6	38,176	6	53,201	6	68,249	6	83,296	6	98,343	6	113,391	6	128,438	6	143,485	6	155,222	6	165,661	6	176,099	6	186,537	6	194,831
1/4	8,455	1/4	23,493	1/4	38,488	1/4	53,515	1/4	68,562	1/4	83,609	1/4	98,657	1/4	113,704	1/4	128,751	1/4	143,792	1/4	155,440	1/4	165,878	1/4	176,316	1/4	186,755	1/4	194,871
1/2	8,768	1/2	23,806	1/2	38,800	1/2	53,828	1/2	68,876	1/2	83,923	1/2	98,970	1/2	114,018	1/2	129,065	1/2	144,098	1/2	155,657	1/2	166,096	1/2	176,534	1/2	186,972	1/2	194,883
3/4	9,082	3/4	24,119	3/4	39,112	3/4	54,142	3/4	69,189	3/4	84,236	3/4	99,284	3/4	114,331	3/4	129,378	3/4	144,405	3/4	155,875	3/4	166,313	3/4	176,751	3/4	187,189	3/4	194,895
7	9,395	7	24,432	7	39,424	7	54,455	7	69,503	7	84,550	7	99,597	7	114,644	7	129,692	7	144,711	7	156,092	7	166,530	7	176,969	7	187,407	7	194,907
1/4	9,708	1/4	24,746	1/4	39,736	1/4	54,769	1/4	69,816	1/4	84,863	1/4	99,911	1/4	114,958	1/4	130,005	1/4	145,004	1/4	156,310	1/4	166,748	1/4	177,186	1/4	187,624	1/4	
1/2	10,022	1/2	25,059	1/2	40,048	1/2	55,082	1/2	70,129	1/2	85,177	1/2	100,224	1/2	115,271	1/2	130,319	1/2	145,296	1/2	156,527	1/2	166,965	1/2	177,404	1/2	187,842	1/2	
3/4	10,335	3/4	25,372	3/4	40,360	3/4	55,396	3/4	70,443	3/4	85,490	3/4	100,538	3/4	115,585	3/4	130,632	3/4	145,588	3/4	156,745	3/4	167,183	3/4	17				



BARGE "HFL-401"

HINES FURLONG LINE

INNAGE TABLE

3 STAR

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

HULL NO. 4593

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	45,678	0	60,725	0	75,772	0	90,820	0	105,867	0	120,914	0	135,962	0	149,987	0	160,442	0	170,880	0	181,318	0	191,756
1/4	1,161	1/4	15,974	1/4	30,999	1/4	45,991	1/4	61,038	1/4	76,086	1/4	91,133	1/4	106,180	1/4	121,228	1/4	136,275	1/4	150,210	1/4	160,659	1/4	171,097	1/4	181,535	1/4	191,974
1/2	1,384	1/2	16,287	1/2	31,311	1/2	46,305	1/2	61,352	1/2	76,399	1/2	91,447	1/2	106,494	1/2	121,541	1/2	136,589	1/2	150,433	1/2	160,876	1/2	171,315	1/2	181,753	1/2	192,175
3/4	1,608	3/4	16,600	3/4	31,623	3/4	46,618	3/4	61,665	3/4	76,713	3/4	91,760	3/4	106,807	3/4	121,855	3/4	136,902	3/4	150,656	3/4	161,094	3/4	171,532	3/4	181,970	3/4	192,376
1	1,899	1	16,914	1	31,935	1	46,932	1	61,979	1	77,026	1	92,073	1	107,121	1	122,168	1	137,215	1	150,873	1	161,311	1	171,750	1	182,188	1	192,578
1/4	2,190	1/4	17,227	1/4	32,247	1/4	47,245	1/4	62,292	1/4	77,340	1/4	92,387	1/4	107,434	1/4	122,482	1/4	137,529	1/4	151,091	1/4	161,529	1/4	171,967	1/4	182,405	1/4	192,779
1/2	2,503	1/2	17,540	1/2	32,559	1/2	47,558	1/2	62,606	1/2	77,653	1/2	92,700	1/2	107,748	1/2	122,795	1/2	137,842	1/2	151,308	1/2	161,746	1/2	172,185	1/2	182,623	1/2	192,948
3/4	2,816	3/4	17,854	3/4	32,871	3/4	47,872	3/4	62,919	3/4	77,967	3/4	93,014	3/4	108,061	3/4	123,109	3/4	138,156	3/4	151,526	3/4	161,964	3/4	172,402	3/4	182,840	3/4	193,117
2	3,129	2	18,167	2	33,183	2	48,185	2	63,233	2	78,280	2	93,327	2	108,375	2	123,422	2	138,469	2	151,743	2	162,181	2	172,619	2	183,058	2	193,286
1/4	3,443	1/4	18,480	1/4	33,495	1/4	48,499	1/4	63,546	1/4	78,594	1/4	93,641	1/4	108,688	1/4	123,736	1/4	138,783	1/4	151,960	1/4	162,399	1/4	172,837	1/4	183,275	1/4	193,455
1/2	3,756	1/2	18,793	1/2	33,807	1/2	48,812	1/2	63,860	1/2	78,907	1/2	93,954	1/2	109,002	1/2	124,049	1/2	139,096	1/2	152,178	1/2	162,616	1/2	173,054	1/2	183,493	1/2	193,592
3/4	4,069	3/4	19,107	3/4	34,119	3/4	49,126	3/4	64,173	3/4	79,221	3/4	94,268	3/4	109,315	3/4	124,363	3/4	139,410	3/4	152,395	3/4	162,834	3/4	173,272	3/4	183,710	3/4	193,729
3	4,383	3	19,420	3	34,431	3	49,439	3	64,487	3	79,534	3	94,581	3	109,629	3	124,676	3	139,723	3	152,613	3	163,051	3	173,489	3	183,928	3	193,866
1/4	4,696	1/4	19,733	1/4	34,743	1/4	49,753	1/4	64,800	1/4	79,848	1/4	94,895	1/4	109,942	1/4	124,990	1/4	140,037	1/4	152,830	1/4	163,269	1/4	173,707	1/4	184,145	1/4	194,003
1/2	5,009	1/2	20,047	1/2	35,055	1/2	50,066	1/2	65,114	1/2	80,161	1/2	95,208	1/2	110,256	1/2	125,303	1/2	140,350	1/2	153,048	1/2	163,486	1/2	173,924	1/2	184,362	1/2	194,107
3/4	5,322	3/4	20,360	3/4	35,367	3/4	50,380	3/4	65,427	3/4	80,475	3/4	95,522	3/4	110,569	3/4	125,616	3/4	140,664	3/4	153,265	3/4	163,703	3/4	174,142	3/4	184,580	3/4	194,212
4	5,636	4	20,673	4	35,679	4	50,693	4	65,741	4	80,788	4	95,835	4	110,883	4	125,930	4	140,977	4	153,483	4	163,921	4	174,359	4	184,797	4	194,317
1/4	5,949	1/4	20,986	1/4	35,991	1/4	51,007	1/4	66,054	1/4	81,101	1/4	96,149	1/4	111,196	1/4	126,243	1/4	141,291	1/4	153,700	1/4	164,138	1/4	174,577	1/4	185,015	1/4	194,421
1/2	6,262	1/2	21,300	1/2	36,303	1/2	51,320	1/2	66,368	1/2	81,415	1/2	96,462	1/2	111,510	1/2	126,557	1/2	141,604	1/2	153,918	1/2	164,356	1/2	174,794	1/2	185,232	1/2	194,494
3/4	6,576	3/4	21,613	3/4	36,615	3/4	51,634	3/4	66,681	3/4	81,728	3/4	96,776	3/4	111,823	3/4	126,870	3/4	141,918	3/4	154,135	3/4	164,573	3/4	175,012	3/4	185,450	3/4	194,566
5	6,889	5	21,926	5	36,928	5	51,947	5	66,995	5	82,042	5	97,089	5	112,137	5	127,184	5	142,231	5	154,353	5	164,791	5	175,229	5	185,667	5	194,638
1/4	7,202	1/4	22,239	1/4	37,240	1/4	52,261	1/4	67,308	1/4	82,355	1/4	97,403	1/4	112,450	1/4	127,497	1/4	142,545	1/4	154,570	1/4	165,008	1/4	175,446	1/4	185,885	1/4	194,711
1/2	7,515	1/2	22,553	1/2	37,552	1/2	52,574	1/2	67,622	1/2	82,669	1/2	97,716	1/2	112,764	1/2	127,811	1/2	142,858	1/2	154,787	1/2	165,226	1/2	175,664	1/2	186,102	1/2	194,751
3/4	7,829	3/4	22,866	3/4	37,864	3/4	52,888	3/4	67,935	3/4	82,982	3/4	98,030	3/4	113,077	3/4	128,124	3/4	143,172	3/4	155,005	3/4	165,443	3/4	175,881	3/4	186,320	3/4	194,791
6	8,142	6	23,179	6	38,176	6	53,201	6	68,249	6	83,296	6	98,343	6	113,391	6	128,438	6	143,485	6	155,222	6	165,661	6	176,099	6	186,537	6	194,831
1/4	8,455	1/4	23,493	1/4	38,488	1/4	53,515	1/4	68,562	1/4	83,609	1/4	98,657	1/4	113,704	1/4	128,751	1/4	143,792	1/4	155,440	1/4	165,878	1/4	176,316	1/4	186,755	1/4	194,871
1/2	8,768	1/2	23,806	1/2	38,800	1/2	53,828	1/2	68,876	1/2	83,923	1/2	98,970	1/2	114,018	1/2	129,065	1/2	144,098	1/2	155,657	1/2	166,096	1/2	176,534	1/2	186,972	1/2	194,883
3/4	9,082	3/4	24,119	3/4	39,112	3/4	54,142	3/4	69,189	3/4	84,236	3/4	99,284	3/4	114,331	3/4	129,378	3/4	144,405	3/4	155,875	3/4	166,313	3/4	176,751	3/4	187,189	3/4	194,895
7	9,395	7	24,432	7	39,424	7	54,455	7	69,503	7	84,550	7	99,597	7	114,644	7	129,692	7	144,711	7	156,092	7	166,530	7	176,969	7	187,407	7	194,907
1/4	9,708	1/4	24,746	1/4	39,736	1/4	54,769	1/4	69,816	1/4	84,863	1/4	99,911	1/4	114,958	1/4	130,005	1/4	145,004	1/4	156,310	1/4	166,748	1/4	177,186	1/4	187,624	1/4	
1/2	10,022	1/2	25,059	1/2	40,048	1/2	55,082	1/2	70,129	1/2	85,177	1/2	100,224	1/2	115,271	1/2	130,319	1/2	145,296	1/2	156,527	1/2	166,965	1/2	177,404	1/2	187,842	1/2	
3/4	10,335	3/4	25,372	3/4	40,360	3/4	55,396	3/4	70,443	3/4	85,490	3/4	100,538	3/4	116,558	3/4	130,632	3/4	145,588	3/4	156,745	3/4							



BARGE "HFL-401"

HINES FURLONG LINE

OUTAGE TABLE

1 PORT

HULL NO. 4593

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	213,637	0	200,286	0	185,240	0	170,194	0	155,147	0	140,101	0	125,054	0	110,008	0	94,962	0	79,915	0	64,869	0	49,823	0	34,776	0	19,743	0	5,586
1/4		1/4	213,532	1/4	199,973	1/4	184,927	1/4	169,880	1/4	154,834	1/4	139,787	1/4	124,741	1/4	109,695	1/4	94,648	1/4	79,602	1/4	64,556	1/4	49,509	1/4	34,463	1/4	19,432	1/4	5,306
1/2		1/2	213,382	1/2	199,659	1/2	184,613	1/2	169,567	1/2	154,520	1/2	139,474	1/2	124,428	1/2	109,381	1/2	94,335	1/2	79,288	1/2	64,242	1/2	49,196	1/2	34,149	1/2	19,121	1/2	5,026
3/4		3/4	213,231	3/4	199,346	3/4	184,300	3/4	169,253	3/4	154,207	3/4	139,160	3/4	124,114	3/4	109,068	3/4	94,021	3/4	78,975	3/4	63,929	3/4	48,882	3/4	33,836	3/4	18,810	3/4	4,746
1		1	213,060	1	199,032	1	183,986	1	168,940	1	153,893	1	138,847	1	123,801	1	108,754	1	93,708	1	78,662	1	63,615	1	48,569	1	33,522	1	18,504	1	4,471
1/4		1/4	212,929	1/4	198,719	1/4	183,673	1/4	168,626	1/4	153,584	1/4	123,487	1/4	108,441	1/4	93,394	1/4	78,348	1/4	63,302	1/4	48,255	1/4	33,209	1/4	18,198	1/4	4,195		
1/2		1/2	212,732	1/2	198,406	1/2	183,359	1/2	168,313	1/2	153,266	1/2	138,220	1/2	123,174	1/2	108,127	1/2	93,081	1/2	78,035	1/2	62,988	1/2	47,942	1/2	32,895	1/2	17,893	1/2	3,920
3/4		3/4	212,535	3/4	198,092	3/4	183,046	3/4	167,999	3/4	152,953	3/4	137,907	3/4	122,860	3/4	107,814	3/4	92,767	3/4	77,721	3/4	62,675	3/4	47,628	3/4	32,582	3/4	17,587	3/4	3,645
2		2	212,337	2	197,779	2	182,732	2	167,686	2	152,640	2	137,593	2	122,547	2	107,500	2	92,454	2	77,408	2	62,361	2	47,315	2	32,269	2	17,281	2	3,370
1/4		1/4	212,140	1/4	197,465	1/4	182,419	1/4	167,372	1/4	152,326	1/4	137,280	1/4	122,233	1/4	107,187	1/4	92,141	1/4	77,094	1/4	62,048	1/4	47,001	1/4	31,955	1/4	16,975	1/4	3,095
1/2		1/2	211,896	1/2	197,152	1/2	182,105	1/2	167,059	1/2	152,013	1/2	136,966	1/2	121,920	1/2	106,873	1/2	91,827	1/2	76,781	1/2	61,734	1/2	46,688	1/2	31,642	1/2	16,669	1/2	2,820
3/4		3/4	211,652	3/4	196,838	3/4	181,792	3/4	166,745	3/4	151,699	3/4	136,653	3/4	121,606	3/4	106,560	3/4	91,514	3/4	76,467	3/4	61,421	3/4	46,375	3/4	31,328	3/4	16,364	3/4	2,545
3		3	211,409	3	196,525	3	181,478	3	166,432	3	151,386	3	136,339	3	121,293	3	106,247	3	91,200	3	76,154	3	61,107	3	46,061	3	31,015	3	16,063	3	2,275
1/4		1/4	211,165	1/4	196,211	1/4	181,165	1/4	166,119	1/4	151,072	1/4	136,026	1/4	120,979	1/4	105,933	1/4	90,887	1/4	75,840	1/4	60,794	1/4	45,748	1/4	30,701	1/4	15,762	1/4	2,005
1/2		1/2	210,875	1/2	195,898	1/2	180,851	1/2	165,805	1/2	150,759	1/2	135,712	1/2	120,666	1/2	105,620	1/2	90,573	1/2	75,527	1/2	60,480	1/2	45,434	1/2	30,388	1/2	15,462	1/2	1,752
3/4		3/4	210,584	3/4	195,584	3/4	180,538	3/4	165,492	3/4	150,445	3/4	135,399	3/4	120,353	3/4	105,306	3/4	90,260	3/4	75,213	3/4	60,167	3/4	45,121	3/4	30,074	3/4	15,161	3/4	1,500
4		4	210,294	4	195,271	4	180,225	4	165,178	4	150,132	4	135,085	4	120,039	4	104,993	4	89,946	4	74,900	4	59,854	4	44,807	4	29,761	4	14,860	4	1,301
1/4		1/4	210,004	1/4	194,957	1/4	179,911	1/4	164,865	1/4	149,818	1/4	134,772	1/4	119,726	1/4	104,679	1/4	89,633	1/4	74,586	1/4	59,540	1/4	44,494	1/4	29,447	1/4	14,560	1/4	1,102
1/2		1/2	209,690	1/2	194,644	1/2	179,598	1/2	164,551	1/2	149,505	1/2	134,458	1/2	119,412	1/2	104,366	1/2	89,319	1/2	74,273	1/2	59,227	1/2	44,180	1/2	29,134	1/2	14,259	1/2	* 903
3/4		3/4	209,377	3/4	194,330	3/4	179,284	3/4	164,238	3/4	149,191	3/4	134,145	3/4	119,099	3/4	104,052	3/4	89,006	3/4	73,960	3/4	58,913	3/4	43,867	3/4	28,820	3/4	13,958	3/4	
5		5	209,063	5	194,017	5	178,971	5	163,924	5	148,878	5	133,832	5	118,785	5	103,739	5	88,692	5	73,646	5	58,600	5	43,553	5	28,507	5	13,663	5	
1/4		1/4	208,750	1/4	193,704	1/4	178,657	1/4	163,611	1/4	148,564	1/4	133,518	1/4	118,472	1/4	103,425	1/4	88,379	1/4	73,333	1/4	58,286	1/4	43,240	1/4	28,194	1/4	13,367	1/4	
1/2		1/2	208,436	1/2	193,390	1/2	178,344	1/2	163,297	1/2	148,251	1/2	133,205	1/2	118,158	1/2	103,112	1/2	88,066	1/2	73,019	1/2	57,973	1/2	42,926	1/2	27,880	1/2	13,072	1/2	
3/4		3/4	208,123	3/4	193,077	3/4	178,030	3/4	162,984	3/4	147,938	3/4	132,891	3/4	117,845	3/4	102,798	3/4	87,752	3/4	72,706	3/4	57,659	3/4	42,613	3/4	27,567	3/4	12,776	3/4	
6		6	207,810	6	192,763	6	177,717	6	162,670	6	147,624	6	132,578	6	117,531	6	102,485	6	87,439	6	72,392	6	57,346	6	42,299	6	27,253	6	12,480	6	
1/4		1/4	207,496	1/4	192,450	1/4	177,403	1/4	162,357	1/4	147,311	1/4	132,264	1/4	117,218	1/4	102,171	1/4	87,125	1/4	72,079	1/4	57,032	1/4	41,986	1/4	26,940	1/4	12,185	1/4	
1/2		1/2	207,183	1/2	192,136	1/2	177,090	1/2	162,043	1/2	146,997	1/2	131,951	1/2	116,904	1/2	101,858	1/2	86,812	1/2	71,765	1/2	61,719	1/2	41,673	1/2	26,626	1/2	11,889	1/2	
3/4		3/4	206,869	3/4	191,823	3/4	176,776	3/4	161,730	3/4	146,684	3/4	131,637	3/4	116,591	3/4	101,545	3/4	86,498	3/4	71,452	3/4	56,405	3/4	41,359	3/4	26,313	3/4	11,594	3/4	
7		7	206,556	7	191,509	7	176,463	7	161,417	7	146,370	7	131,324	7	116,277	7	101,231	7	86,185	7	71,138	7	56,092	7	41,046	7	25,999	7	11,303	7	
1/4		1/4	206,242	1/4	191,196	1/4	176,149	1/4	161,103	1/4	146,057	1/4	131,010	1/4	115,964	1/4	100,918	1/4	85,871	1/4	70,825	1/4	55,779	1/4	40,732	1/4	25,686	1/4	11,013	1/4	
1/2		1/2	205,929	1/2	190,882	1/2	175,836	1/2	160,790	1/2	145,743	1/2	130,697	1/2	105,651	1/2	100,604	1/2	85,558	1/2	70,511	1/2	55,465	1/2	40,419	1/2	25,372	1/2	10,722	1/2	
3/4		3/4	205,615	3/4	190,569	3/4	175,523	3/4	160,476	3/4	145,430	3/4	130,383	3/4	115,337	3/															



BARGE "HFL-401"

HINES FURLONG LINE

OUTAGE TABLE

1 STAR

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

HULL NO. 4593

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	213,637	0	200,286	0	185,240	0	170,194	0	155,147	0	140,101	0	125,054	0	110,008	0	94,962	0	79,915	0	64,869	0	49,823	0	34,776	0	19,743	0	5,586	
	1/4	213,532	1/4	199,973	1/4	184,927	1/4	169,880	1/4	154,834	1/4	139,787	1/4	124,741	1/4	109,695	1/4	94,648	1/4	79,602	1/4	64,556	1/4	49,509	1/4	34,463	1/4	19,432	1/4	5,306	
	1/2	213,382	1/2	199,659	1/2	184,613	1/2	169,567	1/2	154,520	1/2	139,474	1/2	124,428	1/2	109,381	1/2	94,335	1/2	79,288	1/2	64,242	1/2	49,196	1/2	34,149	1/2	19,121	1/2	5,026	
	3/4	213,231	3/4	199,346	3/4	184,300	3/4	169,253	3/4	154,207	3/4	139,160	3/4	124,114	3/4	109,068	3/4	94,021	3/4	78,975	3/4	63,929	3/4	48,882	3/4	33,836	3/4	18,810	3/4	4,746	
1	1	213,080	1	199,032	1	183,986	1	168,940	1	153,893	1	138,847	1	123,801	1	108,754	1	93,708	1	78,662	1	63,615	1	48,569	1	33,522	1	18,504	1	4,471	
	1/4	212,929	1/4	198,719	1/4	183,673	1/4	168,626	1/4	153,580	1/4	138,534	1/4	123,487	1/4	108,441	1/4	93,394	1/4	78,348	1/4	63,302	1/4	48,255	1/4	33,209	1/4	18,198	1/4	4,195	
	1/2	212,732	1/2	198,406	1/2	183,359	1/2	168,313	1/2	153,266	1/2	138,220	1/2	123,174	1/2	108,127	1/2	93,081	1/2	78,035	1/2	62,988	1/2	47,942	1/2	32,895	1/2	17,893	1/2	3,920	
	3/4	212,535	3/4	198,092	3/4	183,046	3/4	167,999	3/4	152,953	3/4	137,907	3/4	122,860	3/4	107,814	3/4	92,767	3/4	77,721	3/4	62,675	3/4	47,628	3/4	32,582	3/4	17,587	3/4	3,645	
2	2	212,337	2	197,779	2	182,732	2	167,686	2	152,640	2	137,593	2	122,547	2	107,500	2	92,454	2	77,408	2	62,361	2	47,315	2	32,269	2	17,281	2	3,370	
	1/4	212,140	1/4	197,465	1/4	182,419	1/4	167,372	1/4	152,326	1/4	137,280	1/4	122,233	1/4	107,187	1/4	92,141	1/4	77,094	1/4	62,048	1/4	47,001	1/4	31,955	1/4	16,975	1/4	3,095	
	1/2	211,896	1/2	197,152	1/2	182,105	1/2	167,059	1/2	152,013	1/2	136,966	1/2	121,920	1/2	106,873	1/2	91,827	1/2	76,781	1/2	61,734	1/2	46,688	1/2	31,642	1/2	16,669	1/2	2,820	
	3/4	211,652	3/4	196,838	3/4	181,792	3/4	166,745	3/4	151,699	3/4	136,653	3/4	121,606	3/4	106,560	3/4	91,514	3/4	76,467	3/4	61,421	3/4	46,375	3/4	31,328	3/4	16,364	3/4	2,545	
3	3	211,409	3	196,525	3	181,478	3	166,432	3	151,386	3	136,339	3	121,293	3	106,247	3	91,200	3	76,154	3	61,107	3	46,061	3	31,015	3	16,063	3	2,275	
	1/4	211,165	1/4	196,211	1/4	181,165	1/4	166,119	1/4	151,072	1/4	136,026	1/4	120,979	1/4	105,933	1/4	90,887	1/4	75,840	1/4	60,794	1/4	45,748	1/4	30,701	1/4	15,762	1/4	2,005	
	1/2	210,875	1/2	195,898	1/2	180,851	1/2	165,805	1/2	150,759	1/2	135,712	1/2	120,666	1/2	105,620	1/2	90,573	1/2	75,527	1/2	60,480	1/2	45,434	1/2	30,388	1/2	15,462	1/2	1,752	
	3/4	210,584	3/4	195,584	3/4	180,538	3/4	165,492	3/4	150,445	3/4	135,399	3/4	120,353	3/4	105,306	3/4	90,260	3/4	75,213	3/4	60,167	3/4	45,121	3/4	30,074	3/4	15,161	3/4	1,500	
4	4	210,294	4	195,271	4	180,225	4	165,178	4	150,132	4	135,085	4	120,039	4	104,993	4	89,946	4	74,900	4	59,854	4	44,807	4	29,761	4	14,860	4	1,301	
	1/4	210,004	1/4	194,957	1/4	179,911	1/4	164,865	1/4	149,818	1/4	134,772	1/4	119,726	1/4	104,679	1/4	89,633	1/4	74,586	1/4	59,540	1/4	44,494	1/4	29,447	1/4	14,560	1/4	1,102	
	1/2	209,690	1/2	194,644	1/2	179,598	1/2	164,551	1/2	149,505	1/2	134,458	1/2	119,412	1/2	104,366	1/2	89,319	1/2	74,273	1/2	59,227	1/2	44,180	1/2	29,134	1/2	14,259	1/2	* 903	
	3/4	209,377	3/4	194,330	3/4	179,284	3/4	164,238	3/4	149,191	3/4	134,145	3/4	119,099	3/4	104,052	3/4	89,006	3/4	73,960	3/4	58,913	3/4	43,867	3/4	28,820	3/4	13,958	3/4		
5	5	209,063	5	194,017	5	178,971	5	163,924	5	148,878	5	133,832	5	118,785	5	103,739	5	88,692	5	73,646	5	58,600	5	43,553	5	28,507	5	13,663	5		
	1/4	208,750	1/4	193,704	1/4	178,657	1/4	163,611	1/4	148,564	1/4	133,518	1/4	118,472	1/4	103,425	1/4	88,379	1/4	73,333	1/4	58,286	1/4	43,240	1/4	28,194	1/4	13,367	1/4		
	1/2	208,436	1/2	193,390	1/2	178,344	1/2	163,297	1/2	148,251	1/2	133,205	1/2	118,158	1/2	103,112	1/2	88,066	1/2	73,019	1/2	57,973	1/2	42,926	1/2	27,880	1/2	13,072	1/2		
	3/4	208,123	3/4	193,077	3/4	178,030	3/4	162,984	3/4	147,938	3/4	132,891	3/4	117,845	3/4	102,798	3/4	87,752	3/4	72,706	3/4	57,659	3/4	42,613	3/4	27,567	3/4	12,776	3/4		
6	6	207,810	6	192,763	6	177,717	6	162,670	6	147,624	6	132,578	6	117,531	6	102,485	6	87,439	6	72,392	6	57,346	6	42,299	6	27,253	6	12,480	6		
	1/4	207,496	1/4	192,450	1/4	177,403	1/4	162,357	1/4	147,311	1/4	132,264	1/4	117,218	1/4	102,171	1/4	87,125	1/4	72,079	1/4	57,032	1/4	41,986	1/4	26,940	1/4	12,185	1/4		
	1/2	207,183	1/2	192,136	1/2	177,090	1/2	162,043	1/2	146,997	1/2	131,951	1/2	116,904	1/2	101,858	1/2	86,812	1/2	71,765	1/2	56,719	1/2	41,673	1/2	26,626	1/2	11,889	1/2		
	3/4	206,869	3/4	191,823	3/4	176,776	3/4	161,730	3/4	146,684	3/4	131,637	3/4	116,591	3/4	101,545	3/4	86,498	3/4	71,452	3/4	56,405	3/4	41,359	3/4	26,313	3/4	11,594	3/4		
7	7	206,556	7	191,509	7	176,463	7	161,417	7	146,370	7	131,324	7	116,277	7	101,231	7	86,185	7	71,138	7	56,092	7	41,046	7	25,999	7	11,303	7		
	1/4	206,242	1/4	191,196	1/4	176,149	1/4	161,103	1/4	146,057	1/4	131,010	1/4	115,964	1/4	100,918	1/4	85,871	1/4	70,825	1/4	55,779	1/4	40,732	1/4	25,686	1/4	11,013	1/4		
	1/2	205,929	1/2	190,882	1/2	175,836	1/2	160,790	1/2	145,743	1/2	130,697	1/2	115,651	1/2	100,604	1/2	85,558	1/2	70,511	1/2	55,465	1/2	40,419	1/2	25,372	1/2	10,722	1/2		
	3/4	205,615	3/4	190,569	3/4	175,523	3/4	160,476	3/4	145,430	3/4	130,383	3/4	115,337	3/4	100,291	3/4	85,244													



BARGE "HFL-401"

HINES FURLONG LINE

OUTAGE TABLE

2 PORT

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

HULL NO. 4593

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	215,624	0	202,319	0	187,270	0	172,187	0	157,105	0	142,023	0	126,941	0	111,859	0	96,776	0	81,694	0	66,612	0	51,530	0	36,448	0	21,366	0	6,283
1/4		1/4	215,519	1/4	202,007	1/4	186,955	1/4	171,873	1/4	156,791	1/4	141,709	1/4	126,627	1/4	111,544	1/4	96,462	1/4	81,380	1/4	66,298	1/4	51,216	1/4	36,134	1/4	21,051	1/4	5,969
1/2		1/2	215,368	1/2	201,695	1/2	186,641	1/2	171,559	1/2	156,477	1/2	141,395	1/2	126,312	1/2	111,230	1/2	96,148	1/2	81,066	1/2	65,984	1/2	50,902	1/2	35,819	1/2	20,737	1/2	5,655
3/4		3/4	215,217	3/4	201,383	3/4	186,327	3/4	171,245	3/4	156,163	3/4	141,080	3/4	125,998	3/4	110,916	3/4	95,834	3/4	80,752	3/4	65,669	3/4	50,587	3/4	35,505	3/4	20,423	3/4	5,341
1		1	215,066	1	201,071	1	186,013	1	170,930	1	155,848	1	140,766	1	125,684	1	110,602	1	95,520	1	80,437	1	65,355	1	50,273	1	35,191	1	20,109	1	5,027
1/4		1/4	214,915	1/4	200,759	1/4	185,698	1/4	170,616	1/4	155,534	1/4	140,452	1/4	125,370	1/4	110,288	1/4	95,205	1/4	80,123	1/4	65,041	1/4	49,959	1/4	34,877	1/4	19,795	1/4	4,712
1/2		1/2	214,717	1/2	200,447	1/2	185,384	1/2	170,302	1/2	155,220	1/2	140,138	1/2	125,056	1/2	109,973	1/2	94,891	1/2	79,809	1/2	64,727	1/2	49,645	1/2	34,562	1/2	19,480	1/2	4,398
3/4		3/4	214,519	3/4	200,135	3/4	185,070	3/4	169,988	3/4	154,906	3/4	139,824	3/4	124,741	3/4	109,659	3/4	94,577	3/4	79,495	3/4	64,413	3/4	49,330	3/4	34,248	3/4	19,166	3/4	4,084
2		2	214,321	2	199,823	2	184,756	2	169,674	2	154,591	2	139,509	2	124,427	2	109,345	2	94,263	2	79,181	2	64,098	2	49,016	2	33,934	2	18,852	2	3,770
1/4		1/4	214,124	1/4	199,511	1/4	184,442	1/4	169,359	1/4	154,277	1/4	139,195	1/4	124,113	1/4	109,031	1/4	93,949	1/4	78,866	1/4	63,784	1/4	48,702	1/4	33,620	1/4	18,538	1/4	3,456
1/2		1/2	213,879	1/2	199,199	1/2	184,127	1/2	169,045	1/2	153,963	1/2	138,881	1/2	123,799	1/2	108,717	1/2	93,634	1/2	63,470	1/2	48,388	1/2	33,306	1/2	18,223	1/2	3,141		
3/4		3/4	213,635	3/4	198,887	3/4	183,813	3/4	168,731	3/4	153,649	3/4	138,567	3/4	123,484	3/4	108,402	3/4	93,320	3/4	63,156	3/4	48,074	3/4	32,991	3/4	17,909	3/4	2,827		
3		3	213,391	3	198,575	3	183,499	3	168,417	3	153,335	3	138,252	3	123,170	3	108,088	3	93,006	3	77,924	3	62,842	3	47,759	3	32,677	3	17,595	3	2,513
1/4		1/4	213,146	1/4	198,263	1/4	183,185	1/4	168,103	1/4	153,020	1/4	137,938	1/4	122,856	1/4	107,774	1/4	92,692	1/4	77,610	1/4	62,527	1/4	47,445	1/4	32,363	1/4	17,281	1/4	2,199
1/2		1/2	212,858	1/2	197,951	1/2	182,871	1/2	167,788	1/2	152,706	1/2	137,624	1/2	122,542	1/2	107,460	1/2	92,377	1/2	77,295	1/2	62,213	1/2	47,131	1/2	32,049	1/2	16,967	1/2	1,907
3/4		3/4	212,569	3/4	197,639	3/4	182,556	3/4	167,474	3/4	152,392	3/4	137,310	3/4	122,228	3/4	107,145	3/4	92,063	3/4	76,981	3/4	61,899	3/4	46,817	3/4	31,735	3/4	16,652	3/4	1,615
4		4	212,280	4	197,324	4	182,242	4	167,160	4	152,078	4	136,996	4	121,913	4	106,831	4	91,749	4	76,667	4	61,585	4	46,503	4	31,420	4	16,338	4	1,391
1/4		1/4	211,991	1/4	197,010	1/4	181,928	1/4	166,846	1/4	151,764	1/4	136,681	1/4	121,599	1/4	106,517	1/4	91,435	1/4	76,353	1/4	61,271	1/4	46,188	1/4	31,106	1/4	16,024	1/4	1,166
1/2		1/2	211,679	1/2	196,696	1/2	181,614	1/2	166,532	1/2	151,449	1/2	136,367	1/2	121,285	1/2	106,203	1/2	91,121	1/2	76,038	1/2	60,956	1/2	45,874	1/2	30,792	1/2	15,710	1/2	* 942
3/4		3/4	211,367	3/4	196,382	3/4	181,299	3/4	166,217	3/4	151,135	3/4	136,053	3/4	120,971	3/4	105,889	3/4	90,806	3/4	75,724	3/4	60,642	3/4	45,560	3/4	30,478	3/4	15,396	3/4	
5		5	211,055	5	196,067	5	180,985	5	165,903	5	150,821	5	135,739	5	120,657	5	105,574	5	90,492	5	75,410	5	60,328	5	45,246	5	30,164	5	15,081	5	
1/4		1/4	210,743	1/4	195,753	1/4	180,671	1/4	165,589	1/4	150,507	1/4	135,425	1/4	120,342	1/4	105,260	1/4	90,178	1/4	75,096	1/4	60,014	1/4	44,931	1/4	29,849	1/4	14,767	1/4	
1/2		1/2	210,431	1/2	195,439	1/2	180,357	1/2	165,275	1/2	150,193	1/2	135,110	1/2	120,028	1/2	104,946	1/2	89,864	1/2	74,782	1/2	59,699	1/2	44,617	1/2	29,535	1/2	14,453	1/2	
3/4		3/4	210,119	3/4	195,125	3/4	180,043	3/4	164,960	3/4	149,878	3/4	134,796	3/4	119,714	3/4	104,632	3/4	89,550	3/4	74,467	3/4	59,385	3/4	44,303	3/4	29,221	3/4	14,139	3/4	
6		6	209,807	6	194,811	6	179,728	6	164,646	6	149,564	6	134,482	6	119,400	6	104,318	6	89,235	6	74,153	6	60,071	6	43,989	6	28,907	6	13,824	6	
1/4		1/4	209,495	1/4	194,496	1/4	179,414	1/4	164,332	1/4	149,250	1/4	134,168	1/4	119,086	1/4	104,003	1/4	88,921	1/4	73,839	1/4	58,757	1/4	43,675	1/4	28,592	1/4	13,510	1/4	
1/2		1/2	209,183	1/2	194,182	1/2	179,100	1/2	164,018	1/2	148,936	1/2	133,853	1/2	118,771	1/2	103,689	1/2	88,607	1/2	73,525	1/2	54,443	1/2	43,360	1/2	28,278	1/2	13,196	1/2	
3/4		3/4	208,871	3/4	193,868	3/4	178,786	3/4	163,704	3/4	148,621	3/4	133,539	3/4	118,457	3/4	103,375	3/4	88,293	3/4	73,211	3/4	58,128	3/4	43,046	3/4	27,964	3/4	12,882	3/4	
7		7	208,559	7	193,554	7	178,472	7	163,389	7	148,307	7	133,225	7	118,143	7	103,061	7	87,979	7	72,896	7	57,814	7	42,732	7	27,650	7	12,568	7	
1/4		1/4	208,247	1/4	193,240	1/4	178,157	1/4	163,075	1/4	147,993	1/4	132,911	1/4	117,829	1/4	102,746	1/4	87,664	1/4	72,582	1/4	57,500	1/4	42,418	1/4	27,336	1/4	12,253	1/4	
1/2		1/2	207,935	1/2	192,925	1/2	177,843	1/2	162,761	1/2	147,679	1/2	132,597	1/2	117,514	1/2	102,432	1/2	87,350	1/2	72,268	1/2	57,186	1/2	42,104	1/2	27,021	1/2	11,939	1/2	
3/4		3/4	207,623	3/4	192,611	3/4	177,529	3/4	162,447	3/4	147,365	3/4	132,282	3/4	117,200	3/4	102,118</														



BARGE "HFL-401"

HINES FURLONG LINE

OUTAGE TABLE

2 STAR

HULL NO. 4593

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	215,624	0	202,319	0	187,270	0	172,187	0	157,105	0	142,023	0	126,941	0	111,859	0	96,776	0	81,694	0	66,612	0	51,530	0	36,448	0	21,366	0	6,283
1/4		1/4	215,519	1/4	202,007	1/4	186,955	1/4	171,873	1/4	156,791	1/4	141,709	1/4	126,627	1/4	111,544	1/4	96,462	1/4	81,380	1/4	66,298	1/4	51,216	1/4	36,134	1/4	21,051	1/4	5,969
1/2		1/2	215,368	1/2	201,695	1/2	186,641	1/2	171,559	1/2	156,477	1/2	141,395	1/2	126,312	1/2	111,230	1/2	96,148	1/2	81,066	1/2	65,984	1/2	50,902	1/2	35,819	1/2	20,737	1/2	5,655
3/4		3/4	215,217	3/4	201,383	3/4	186,327	3/4	171,245	3/4	156,163	3/4	141,080	3/4	125,998	3/4	110,916	3/4	95,834	3/4	80,752	3/4	65,669	3/4	50,587	3/4	35,505	3/4	20,423	3/4	5,341
1		1	215,066	1	201,071	1	186,013	1	170,930	1	155,848	1	140,766	1	125,684	1	110,602	1	95,520	1	80,437	1	65,355	1	50,273	1	35,191	1	20,109	1	5,027
1/4		1/4	214,915	1/4	200,759	1/4	185,698	1/4	170,616	1/4	155,534	1/4	140,452	1/4	125,370	1/4	110,288	1/4	95,205	1/4	80,123	1/4	65,041	1/4	49,959	1/4	34,877	1/4	19,795	1/4	4,712
1/2		1/2	214,717	1/2	200,447	1/2	185,384	1/2	170,302	1/2	155,220	1/2	140,138	1/2	125,056	1/2	109,973	1/2	94,891	1/2	79,809	1/2	64,727	1/2	49,645	1/2	34,562	1/2	19,480	1/2	4,398
3/4		3/4	214,519	3/4	200,135	3/4	185,070	3/4	169,988	3/4	154,906	3/4	139,824	3/4	124,741	3/4	109,659	3/4	94,577	3/4	79,495	3/4	64,413	3/4	49,330	3/4	34,248	3/4	19,166	3/4	4,084
2		2	214,321	2	199,823	2	184,756	2	169,674	2	154,591	2	139,509	2	124,427	2	109,345	2	94,263	2	79,181	2	64,098	2	49,016	2	33,934	2	18,852	2	3,770
1/4		1/4	214,124	1/4	199,511	1/4	184,442	1/4	169,359	1/4	154,277	1/4	139,195	1/4	124,113	1/4	109,031	1/4	93,949	1/4	78,866	1/4	63,784	1/4	48,702	1/4	33,620	1/4	18,538	1/4	3,456
1/2		1/2	213,879	1/2	199,199	1/2	184,127	1/2	169,045	1/2	153,963	1/2	138,881	1/2	123,799	1/2	108,717	1/2	93,634	1/2	78,552	1/2	63,470	1/2	48,388	1/2	33,306	1/2	18,223	1/2	3,141
3/4		3/4	213,635	3/4	198,887	3/4	183,813	3/4	168,731	3/4	153,649	3/4	138,567	3/4	123,484	3/4	108,402	3/4	93,320	3/4	78,238	3/4	63,156	3/4	48,074	3/4	32,991	3/4	17,909	3/4	2,827
3		3	213,391	3	198,575	3	183,499	3	168,417	3	153,335	3	138,252	3	123,170	3	108,088	3	93,006	3	77,924	3	62,842	3	47,759	3	32,677	3	17,595	3	2,513
1/4		1/4	213,146	1/4	198,263	1/4	183,185	1/4	168,103	1/4	153,020	1/4	137,938	1/4	122,856	1/4	107,774	1/4	92,692	1/4	77,610	1/4	62,527	1/4	47,445	1/4	32,363	1/4	17,281	1/4	2,199
1/2		1/2	212,858	1/2	197,951	1/2	182,871	1/2	167,788	1/2	152,706	1/2	137,624	1/2	122,542	1/2	107,460	1/2	92,377	1/2	77,295	1/2	62,213	1/2	47,131	1/2	32,049	1/2	16,967	1/2	1,907
3/4		3/4	212,569	3/4	197,639	3/4	182,556	3/4	167,474	3/4	152,392	3/4	137,310	3/4	122,228	3/4	107,145	3/4	92,063	3/4	76,981	3/4	61,899	3/4	46,817	3/4	31,735	3/4	16,652	3/4	1,615
4		4	212,280	4	197,324	4	182,242	4	167,160	4	152,078	4	136,996	4	121,913	4	106,831	4	91,749	4	76,667	4	61,585	4	46,503	4	31,420	4	16,338	4	1,391
1/4		1/4	211,991	1/4	197,010	1/4	181,928	1/4	166,846	1/4	151,764	1/4	136,681	1/4	121,599	1/4	106,517	1/4	91,435	1/4	76,353	1/4	61,271	1/4	46,188	1/4	31,106	1/4	16,024	1/4	1,166
1/2		1/2	211,679	1/2	196,696	1/2	181,614	1/2	166,532	1/2	151,449	1/2	136,367	1/2	121,285	1/2	106,203	1/2	91,121	1/2	76,038	1/2	60,956	1/2	45,874	1/2	30,792	1/2	15,710	1/2	* 942
3/4		3/4	211,367	3/4	196,382	3/4	181,299	3/4	166,217	3/4	151,135	3/4	136,053	3/4	120,971	3/4	105,889	3/4	90,806	3/4	75,724	3/4	60,642	3/4	45,560	3/4	30,478	3/4	15,396	3/4	
5		5	211,055	5	196,067	5	180,985	5	165,903	5	150,821	5	135,739	5	120,657	5	105,574	5	90,492	5	75,410	5	60,328	5	50,164	5	30,164	5	15,081	5	
1/4		1/4	210,743	1/4	195,753	1/4	180,671	1/4	165,589	1/4	150,507	1/4	135,425	1/4	120,342	1/4	105,260	1/4	90,178	1/4	75,096	1/4	60,014	1/4	44,931	1/4	29,849	1/4	14,767	1/4	
1/2		1/2	210,431	1/2	195,439	1/2	180,357	1/2	165,275	1/2	150,193	1/2	135,110	1/2	120,028	1/2	104,946	1/2	89,864	1/2	74,782	1/2	59,699	1/2	44,617	1/2	29,535	1/2	14,453	1/2	
3/4		3/4	210,119	3/4	195,125	3/4	180,043	3/4	164,960	3/4	149,878	3/4	134,796	3/4	119,714	3/4	104,632	3/4	89,550	3/4	74,467	3/4	59,385	3/4	44,303	3/4	29,221	3/4	14,139	3/4	
6		6	209,807	6	194,811	6	179,728	6	164,646	6	149,564	6	134,482	6	119,400	6	104,318	6	89,235	6	74,153	6	59,071	6	43,989	6	28,907	6	13,824	6	
1/4		1/4	209,495	1/4	194,496	1/4	179,414	1/4	164,332	1/4	149,250	1/4	134,168	1/4	119,086	1/4	104,003	1/4	88,921	1/4	73,839	1/4	58,757	1/4	43,675	1/4	28,592	1/4	13,510	1/4	
1/2		1/2	209,183	1/2	194,182	1/2	179,100	1/2	164,018	1/2	148,936	1/2	133,853	1/2	118,771	1/2	103,689	1/2	88,607	1/2	73,525	1/2	58,443	1/2	43,360	1/2	28,278	1/2	13,196	1/2	
3/4		3/4	208,871	3/4	193,868	3/4	178,786	3/4	163,704	3/4	148,621	3/4	138,539	3/4	118,457	3/4	103,375	3/4	88,293	3/4	73,211	3/4	43,046	3/4	27,964	3/4	12,882	3/4			
7		7	208,559	7	193,554	7	178,472	7	163,389	7	148,307	7	133,225	7	118,143	7	103,061	7	87,979	7	72,896	7	57,814	7	42,732	7	27,650	7	12,568	7	
1/4		1/4	208,247	1/4	193,240	1/4	178,157	1/4	163,075	1/4	147,993	1/4	132,911	1/4	117,829	1/4	102,746	1/4	87,664	1/4	72,582	1/4	57,500	1/4	42,418	1/4	27,336	1/4	12,253	1/4	
1/2		1/2	207,935	1/2	192,925	1/2	177,843	1/2	162,761	1/2	147,679	1/2	132,597	1/2	117,514	1/2	102,432	1/2	87,350	1/2	72,268	1/2	57,186	1/2	42,104	1/2	27,021	1/2	11,939	1/2	
3/4		3/4	207,623	3/4	192,611	3/4	177,529	3/4	162,447	3/4	147,365	3/4	132,282	3/4	117,200	3/4	1														



BARGE "HFL-401"

HINES FURLONG LINE

OUTAGE TABLE

3 PORT

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

HULL NO. 4593

	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	194,494	0	185,232	0	174,794	0	164,356	0	153,918	0	141,604	0	126,557	0	111,510	0	96,462	0	81,415	0	66,368	0	51,320	0	36,303	0	21,300	0	6,262
1/4		1/4	194,421	1/4	185,015	1/4	174,577	1/4	164,138	1/4	153,700	1/4	141,291	1/4	126,243	1/4	111,196	1/4	96,149	1/4	81,101	1/4	66,054	1/4	51,007	1/4	35,991	1/4	20,986	1/4	5,949
1/2		1/2	194,317	1/2	184,797	1/2	174,359	1/2	163,921	1/2	153,483	1/2	140,977	1/2	125,930	1/2	110,883	1/2	95,835	1/2	80,788	1/2	65,741	1/2	50,693	1/2	35,679	1/2	20,673	1/2	5,636
3/4		3/4	194,212	3/4	184,580	3/4	174,142	3/4	163,703	3/4	153,265	3/4	140,664	3/4	125,616	3/4	110,569	3/4	95,522	3/4	80,475	3/4	65,427	3/4	50,380	3/4	35,367	3/4	20,360	3/4	5,322
1		1	194,107	1	184,362	1	173,924	1	163,486	1	153,048	1	140,350	1	125,303	1	110,256	1	95,208	1	80,161	1	65,114	1	50,066	1	35,055	1	20,047	1	5,009
1/4		1/4	194,003	1/4	184,145	1/4	173,707	1/4	163,269	1/4	152,830	1/4	140,037	1/4	124,990	1/4	109,942	1/4	94,895	1/4	79,848	1/4	64,800	1/4	49,753	1/4	34,743	1/4	19,733	1/4	4,696
1/2		1/2	193,866	1/2	183,928	1/2	173,489	1/2	163,051	1/2	152,613	1/2	139,723	1/2	124,676	1/2	109,629	1/2	94,581	1/2	79,534	1/2	64,487	1/2	49,439	1/2	34,431	1/2	19,420	1/2	4,383
3/4		3/4	193,729	3/4	183,710	3/4	173,272	3/4	162,834	3/4	152,395	3/4	139,410	3/4	124,363	3/4	109,315	3/4	94,268	3/4	79,221	3/4	64,173	3/4	49,126	3/4	34,119	3/4	19,107	3/4	4,069
2		2	193,592	2	183,493	2	173,054	2	162,616	2	152,178	2	139,096	2	124,049	2	109,002	2	93,954	2	78,907	2	63,860	2	48,812	2	33,807	2	18,793	2	3,756
1/4		1/4	193,455	1/4	183,275	1/4	172,837	1/4	162,399	1/4	151,960	1/4	138,783	1/4	123,736	1/4	108,688	1/4	93,641	1/4	78,594	1/4	63,546	1/4	48,499	1/4	33,495	1/4	18,480	1/4	3,443
1/2		1/2	193,286	1/2	183,058	1/2	172,619	1/2	162,181	1/2	151,743	1/2	138,469	1/2	123,422	1/2	108,375	1/2	93,327	1/2	78,280	1/2	63,233	1/2	48,185	1/2	33,183	1/2	18,167	1/2	3,129
3/4		3/4	193,117	3/4	182,840	3/4	172,402	3/4	161,964	3/4	151,526	3/4	138,156	3/4	123,109	3/4	108,061	3/4	93,014	3/4	77,967	3/4	62,919	3/4	47,872	3/4	32,871	3/4	17,854	3/4	2,816
3		3	192,948	3	182,623	3	172,185	3	161,746	3	151,308	3	137,842	3	122,795	3	107,748	3	92,700	3	77,653	3	62,606	3	47,558	3	32,559	3	17,540	3	2,503
1/4		1/4	192,779	1/4	182,405	1/4	171,967	1/4	161,529	1/4	151,091	1/4	137,529	1/4	122,482	1/4	107,434	1/4	92,387	1/4	77,340	1/4	62,292	1/4	47,245	1/4	32,247	1/4	17,227	1/4	2,190
1/2		1/2	192,578	1/2	182,188	1/2	171,750	1/2	161,311	1/2	150,873	1/2	137,215	1/2	122,168	1/2	107,121	1/2	92,073	1/2	77,026	1/2	61,979	1/2	46,932	1/2	31,935	1/2	16,914	1/2	1,899
3/4		3/4	192,376	3/4	181,970	3/4	171,532	3/4	161,094	3/4	150,656	3/4	136,902	3/4	121,855	3/4	106,807	3/4	91,760	3/4	76,713	3/4	61,665	3/4	46,618	3/4	31,623	3/4	16,600	3/4	1,608
4		4	192,175	4	181,753	4	171,315	4	160,876	4	150,433	4	136,589	4	121,541	4	106,494	4	91,447	4	76,399	4	61,352	4	46,305	4	31,311	4	16,287	4	1,384
1/4		1/4	191,974	1/4	181,535	1/4	171,097	1/4	160,659	1/4	150,210	1/4	136,275	1/4	121,228	1/4	106,180	1/4	91,133	1/4	76,086	1/4	61,038	1/4	45,991	1/4	30,999	1/4	15,974	1/4	1,161
1/2		1/2	191,756	1/2	181,318	1/2	170,880	1/2	160,442	1/2	149,987	1/2	135,962	1/2	120,914	1/2	105,867	1/2	90,820	1/2	75,772	1/2	60,725	1/2	45,678	1/2	30,687	1/2	15,661	1/2	* 937
3/4		3/4	191,539	3/4	181,101	3/4	170,662	3/4	160,224	3/4	149,752	3/4	136,548	3/4	120,601	3/4	105,553	3/4	90,506	3/4	75,459	3/4	60,411	3/4	45,364	3/4	30,375	3/4	15,347	3/4	
5		5	191,321	5	180,883	5	170,445	5	160,007	5	149,517	5	135,335	5	120,287	5	105,240	5	90,193	5	75,145	5	60,098	5	45,051	5	30,063	5	15,034	5	
1/4		1/4	191,104	1/4	180,666	1/4	170,227	1/4	159,789	1/4	149,281	1/4	135,021	1/4	119,974	1/4	104,926	1/4	89,879	1/4	74,832	1/4	59,784	1/4	44,737	1/4	29,751	1/4	14,721	1/4	
1/2		1/2	190,886	1/2	180,448	1/2	170,010	1/2	159,572	1/2	149,046	1/2	134,708	1/2	119,660	1/2	104,613	1/2	89,566	1/2	74,518	1/2	59,471	1/2	44,424	1/2	29,439	1/2	14,408	1/2	
3/4		3/4	190,669	3/4	180,231	3/4	169,792	3/4	159,354	3/4	148,797	3/4	134,394	3/4	119,347	3/4	104,299	3/4	89,252	3/4	74,205	3/4	59,157	3/4	44,110	3/4	29,127	3/4	14,094	3/4	
6		6	190,451	6	180,013	6	169,575	6	159,137	6	148,547	6	134,081	6	119,033	6	103,986	6	88,939	6	73,891	6	58,844	6	43,797	6	28,815	6	13,781	6	
1/4		1/4	190,234	1/4	179,796	1/4	169,358	1/4	158,919	1/4	148,297	1/4	133,767	1/4	118,720	1/4	103,672	1/4	88,625	1/4	73,578	1/4	58,530	1/4	43,483	1/4	28,503	1/4	13,468	1/4	
1/2		1/2	190,017	1/2	179,578	1/2	169,140	1/2	158,702	1/2	148,048	1/2	133,454	1/2	118,406	1/2	103,359	1/2	88,312	1/2	73,264	1/2	52,217	1/2	43,170	1/2	28,191	1/2	13,154	1/2	
3/4		3/4	189,799	3/4	179,361	3/4	168,923	3/4	158,484	3/4	147,784	3/4	133,140	3/4	118,093	3/4	103,046	3/4	87,998	3/4	72,951	3/4	57,904	3/4	42,856	3/4	27,879	3/4	12,841	3/4	
7		7	189,582	7	179,143	7	168,705	7	158,267	7	147,520	7	132,827	7	117,779	7	102,732	7	87,685	7	72,637	7	57,590	7	42,544	7	27,565	7	12,528	7	
1/4		1/4	189,364	1/4	178,926	1/4	168,488	1/4	158,049	1/4	147,257	1/4	132,513	1/4	117,466	1/4	102,419	1/4	87,371	1/4	72,324	1/4	57,277	1/4	42,232	1/4	27,252	1/4	12,215	1/4	
1/2		1/2	189,147	1/2	178,708	1/2	168,270	1/2	157,832	1/2	146,993	1/2	132,200	1/2	117,152	1/2	102,105	1/2	87,058	1/2	72,010	1/2	56,963	1/2	41,920	1/2	26,939	1/2	11,901	1/2	
3/4		3/4	188,929	3/4	178,491	3/4	168,053	3/4	157,615	3/4	146,715	3/4	131,886	3/4																	



BARGE "HFL-401"

HINES FURLONG LINE

OUTAGE TABLE

3 STAR

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

HULL NO. 4593

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	194,494	0	185,232	0	174,794	0	164,356	0	153,918	0	141,604	0	126,557	0	111,510	0	96,462	0	81,415	0	66,368	0	51,320	0	36,303	0	21,300	0	6,262
1/4		1/4	194,421	1/4	185,015	1/4	174,577	1/4	164,138	1/4	153,700	1/4	141,291	1/4	126,243	1/4	111,196	1/4	96,149	1/4	81,101	1/4	66,054	1/4	51,007	1/4	35,991	1/4	20,986	1/4	5,949
1/2		1/2	194,317	1/2	184,797	1/2	174,359	1/2	163,921	1/2	153,483	1/2	140,977	1/2	125,930	1/2	110,883	1/2	95,835	1/2	80,788	1/2	65,741	1/2	50,693	1/2	35,679	1/2	20,673	1/2	5,636
3/4		3/4	194,212	3/4	184,580	3/4	174,142	3/4	163,703	3/4	153,265	3/4	140,664	3/4	125,616	3/4	110,569	3/4	95,522	3/4	80,475	3/4	65,427	3/4	50,380	3/4	35,367	3/4	20,360	3/4	5,322
1		1	194,107	1	184,362	1	173,924	1	163,486	1	153,048	1	140,350	1	125,303	1	110,256	1	95,208	1	80,161	1	65,114	1	50,066	1	35,055	1	20,047	1	5,009
1/4		1/4	194,003	1/4	184,145	1/4	173,707	1/4	163,269	1/4	152,830	1/4	140,037	1/4	124,990	1/4	109,942	1/4	94,895	1/4	79,848	1/4	64,800	1/4	49,753	1/4	34,743	1/4	19,733	1/4	4,696
1/2		1/2	193,866	1/2	183,928	1/2	173,489	1/2	163,051	1/2	152,613	1/2	139,723	1/2	124,676	1/2	109,629	1/2	94,581	1/2	79,534	1/2	64,487	1/2	49,439	1/2	34,431	1/2	19,420	1/2	4,383
3/4		3/4	193,729	3/4	183,710	3/4	173,272	3/4	162,834	3/4	152,395	3/4	139,410	3/4	124,363	3/4	109,315	3/4	94,268	3/4	79,221	3/4	64,173	3/4	49,126	3/4	34,119	3/4	19,107	3/4	4,069
2		2	193,592	2	183,493	2	173,054	2	162,616	2	152,178	2	139,096	2	124,049	2	109,002	2	93,954	2	78,907	2	63,860	2	48,812	2	33,807	2	18,793	2	3,756
1/4		1/4	193,455	1/4	183,275	1/4	172,837	1/4	162,399	1/4	151,960	1/4	138,783	1/4	123,736	1/4	108,688	1/4	93,641	1/4	78,594	1/4	63,546	1/4	48,499	1/4	33,495	1/4	18,480	1/4	3,443
1/2		1/2	193,286	1/2	183,058	1/2	172,619	1/2	162,181	1/2	151,743	1/2	138,469	1/2	123,422	1/2	108,375	1/2	93,327	1/2	78,280	1/2	63,233	1/2	48,185	1/2	33,183	1/2	18,167	1/2	3,129
3/4		3/4	193,117	3/4	182,840	3/4	172,402	3/4	161,964	3/4	151,526	3/4	138,156	3/4	123,109	3/4	108,061	3/4	93,014	3/4	77,967	3/4	62,919	3/4	47,872	3/4	32,871	3/4	17,854	3/4	2,816
3		3	192,948	3	182,623	3	172,185	3	161,746	3	151,308	3	137,842	3	122,795	3	107,748	3	92,700	3	77,653	3	62,606	3	47,558	3	32,559	3	17,540	3	2,503
1/4		1/4	192,779	1/4	182,405	1/4	171,967	1/4	161,529	1/4	151,091	1/4	137,529	1/4	122,482	1/4	107,434	1/4	92,387	1/4	77,340	1/4	62,292	1/4	47,245	1/4	32,247	1/4	17,227	1/4	2,190
1/2		1/2	192,578	1/2	182,188	1/2	171,750	1/2	161,311	1/2	150,873	1/2	137,215	1/2	122,168	1/2	107,121	1/2	92,073	1/2	77,026	1/2	61,979	1/2	46,932	1/2	31,935	1/2	16,914	1/2	1,899
3/4		3/4	192,376	3/4	181,970	3/4	171,532	3/4	161,094	3/4	150,656	3/4	136,902	3/4	121,855	3/4	106,807	3/4	91,760	3/4	76,713	3/4	61,665	3/4	46,618	3/4	31,623	3/4	16,600	3/4	1,608
4		4	192,175	4	181,753	4	171,315	4	160,876	4	150,433	4	136,589	4	121,541	4	106,494	4	91,447	4	76,399	4	61,352	4	46,305	4	31,311	4	16,287	4	1,384
1/4		1/4	191,974	1/4	181,535	1/4	171,097	1/4	160,659	1/4	150,210	1/4	136,275	1/4	121,228	1/4	106,180	1/4	91,133	1/4	76,086	1/4	61,038	1/4	45,991	1/4	30,999	1/4	15,974	1/4	1,161
1/2		1/2	191,756	1/2	181,318	1/2	170,880	1/2	160,442	1/2	149,987	1/2	135,962	1/2	120,914	1/2	105,867	1/2	90,820	1/2	75,772	1/2	60,725	1/2	45,678	1/2	30,687	1/2	15,661	1/2	* 937
3/4		3/4	191,539	3/4	181,101	3/4	170,662	3/4	160,224	3/4	149,752	3/4	120,601	3/4	105,553	3/4	90,506	3/4	75,459	3/4	60,411	3/4	45,364	3/4	30,375	3/4	15,347	3/4			
5		5	191,321	5	180,883	5	170,445	5	160,007	5	149,517	5	135,335	5	120,287	5	105,240	5	90,193	5	75,145	5	60,098	5	45,051	5	30,063	5	15,034	5	
1/4		1/4	191,104	1/4	180,666	1/4	170,227	1/4	159,789	1/4	149,281	1/4	135,021	1/4	119,974	1/4	104,926	1/4	89,879	1/4	74,832	1/4	59,784	1/4	44,737	1/4	29,751	1/4	14,721	1/4	
1/2		1/2	190,886	1/2	180,448	1/2	170,010	1/2	159,572	1/2	149,046	1/2	134,708	1/2	119,660	1/2	104,613	1/2	89,566	1/2	74,518	1/2	59,471	1/2	44,424	1/2	29,439	1/2	14,408	1/2	
3/4		3/4	190,669	3/4	180,231	3/4	169,792	3/4	159,354	3/4	148,797	3/4	134,394	3/4	119,347	3/4	104,299	3/4	89,252	3/4	74,205	3/4	59,157	3/4	44,110	3/4	30,127	3/4	14,094	3/4	
6		6	190,451	6	180,013	6	169,575	6	159,137	6	148,547	6	134,081	6	119,033	6	103,986	6	88,939	6	73,891	6	58,844	6	43,797	6	28,815	6	13,781	6	
1/4		1/4	190,234	1/4	179,796	1/4	169,358	1/4	158,919	1/4	148,297	1/4	133,767	1/4	118,720	1/4	103,672	1/4	88,625	1/4	73,578	1/4	58,530	1/4	43,483	1/4	28,503	1/4	13,468	1/4	
1/2		1/2	190,017	1/2	179,578	1/2	169,140	1/2	158,702	1/2	148,048	1/2	133,454	1/2	118,406	1/2	103,359	1/2	88,312	1/2	73,264	1/2	58,217	1/2	43,170	1/2	28,191	1/2	13,154	1/2	
3/4		3/4	189,799	3/4	179,361	3/4	168,923	3/4	158,484	3/4	147,784	3/4	133,140	3/4	118,093	3/4	103,046	3/4	87,998	3/4	72,951	3/4	57,904	3/4	42,856	3/4	27,879	3/4	12,841	3/4	
7		7	189,582	7	179,143	7	168,705	7	158,267	7	147,520	7	132,827	7	117,779	7	102,732	7	87,685	7	72,637	7	57,590	7	42,544	7	27,565	7	12,528	7	
1/4		1/4	189,364	1/4	178,926	1/4	168,488	1/4	158,049	1/4	147,257	1/4	132,513	1/4	117,466	1/4	102,419	1/4	87,371	1/4	72,324	1/4	57,277	1/4	42,232	1/4	27,252	1/4	12,215	1/4	
1/2		1/2	189,147	1/2	178,708	1/2	168,270	1/2	157,832	1/2	146,993	1/2	132,200	1/2	117,152	1/2	102,105	1/2	87,058	1/2	72,010	1/2	56,963	1/2	41,920	1/2	26,939	1/2	11,901	1/2	
3/4		3/4	188,929	3/4	178,491	3/4	168,053	3/4	157,615	3/4	146,715	3/4	131,886</td																		



BARGE "HFL-401"

HINES FURLONG LINE

OUTAGE TABLE

PORT SLOP TANK

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

HULL NO. 4593

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		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		1/4
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		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		3/4
1		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		1/4
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		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		3/4
2		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		1/4
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		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		3/4
3		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		1/4
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		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		3/4
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		1/4
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		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		3/4
5		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		1/4
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		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		3/4
6		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		1/4
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		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		3/4
7		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		1/4
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		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		3/4
8		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		1/4
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		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		3/4
9		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		1/4
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		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		3/4
10		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		1/4
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		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		3/4
11		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		1/4
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		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		3/4

CAPACITIES GIVEN IN U.S. GALLONS

STRAPPED: 11/12/07

REFERENCE GAUGE HEIGHT: 6'-7 1/4" (RIM OF 2" DIA. BALL VALVE LOCATED
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INSPECTORATE AMERICA CORPORATION



BARGE "HFL-401"

HINES FURLONG LINE

OUTAGE TABLE

STAR SLOP TANK

HULL NO. 4593

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		4,222	0	3,050	0	1,879	0	708	0		0		0		0		0		0		0		0
1/4	1/4		1/4		1/4		1/4		4,197	1/4	3,026	1/4	1,855	1/4	683	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		4,173	1/2	3,002	1/2	1,830	1/2	659	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		4,149	3/4	2,977	3/4	1,806	3/4	634	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4
1	1		1		1		1		4,124	1	2,953	1	1,781	1	610	1		1		1		1		1		1		1		1
1/4	1/4		1/4		1/4		1/4		4,100	1/4	2,928	1/4	1,757	1/4	586	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		4,075	1/2	2,904	1/2	1,733	1/2	561	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		4,051	3/4	2,880	3/4	1,708	3/4	537	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4
2	2		2		2		2		4,026	2	2,855	2	1,684	2	512	2		2		2		2		2		2		2		2
1/4	1/4		1/4		1/4		1/4		4,002	1/4	2,831	1/4	1,659	1/4	488	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		5,149	1/2	3,978	1/2	2,806	1/2	1,635	1/2	464	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	3/4		3/4		3/4		3/4		5,125	3/4	3,953	3/4	2,782	3/4	1,611	3/4	439	3/4		3/4		3/4		3/4		3/4		3/4		3/4
3	3		3		3		3		5,100	3	3,929	3	2,758	3	1,586	3	415	3		3		3		3		3		3		3
1/4	1/4		1/4		1/4		1/4		5,076	1/4	3,904	1/4	2,733	1/4	1,562	1/4	390	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	1/2		1/2		1/2		1/2		5,051	1/2	3,880	1/2	2,709	1/2	1,537	1/2	366	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	3/4		3/4		3/4		3/4		5,027	3/4	3,856	3/4	2,684	3/4	1,513	3/4	342	3/4		3/4		3/4		3/4		3/4		3/4		3/4
4	4		4		4		4		5,003	4	3,831	4	2,660	4	1,489	4	317	4		4		4		4		4		4		4
1/4	1/4		1/4		1/4		1/4		4,978	1/4	3,807	1/4	2,636	1/4	1,464	1/4	293	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	1/2		1/2		1/2		1/2		4,954	1/2	3,782	1/2	2,611	1/2	1,440	1/2	268	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	3/4		3/4		3/4		3/4		4,929	3/4	3,758	3/4	2,587	3/4	1,415	3/4	244	3/4		3/4		3/4		3/4		3/4		3/4		3/4
5	5		5		5		5		4,905	5	3,734	5	2,562	5	1,391	5	220	5		5		5		5		5		5		5
1/4	1/4		1/4		1/4		1/4		4,881	1/4	3,709	1/4	2,538	1/4	1,367	1/4	195	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	1/2		1/2		1/2		1/2		4,856	1/2	3,685	1/2	2,514	1/2	1,342	1/2	171	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	3/4		3/4		3/4		3/4		4,832	3/4	3,660	3/4	2,489	3/4	1,318	3/4	146	3/4		3/4		3/4		3/4		3/4		3/4		3/4
6	6		6		6		6		4,807	6	3,636	6	2,465	6	1,293	6	122	6		6		6		6		6		6		6
1/4	1/4		1/4		1/4		1/4		4,783	1/4	3,612	1/4	2,440	1/4	1,269	1/4	98	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	1/2		1/2		1/2		1/2		4,759	1/2	3,587	1/2	2,416	1/2	1,245	1/2	73	1/2		1/2		1/2		1/2		1/2		1/2		1/2
3/4	3/4		3/4		3/4		3/4		4,734	3/4	3,563	3/4	2,391	3/4	1,220	3/4	49	3/4		3/4		3/4		3/4		3/4		3/4		3/4
7	7		7		7		7		4,710	7	3,538	7	2,367	7	1,196	7	24	7		7		7		7		7		7		7
1/4	1/4		1/4		1/4		1/4		4,685	1/4	3,514	1/4	2,343	1/4	1,171	1/4	0	1/4		1/4		1/4		1/4		1/4		1/4		1/4
1/2	1/2		1/2		1/2		1/2		4,661	1/2	3,490	1/2	2,318	1/2	1,147	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		4,637	3/4	3,465	3/4	2,294	3/4	1,123	3/4	3/4	3/4		3/4		3/4		3/4		3/4		3/4		3/4
8	8		8		8		8		4,612	8	3,441	8	2,269	8	1,098	8		8		8		8		8		8		8		8
1/4	1/4		1/4		1/4		1/4		4,588	1/4	3,416	1/4	2,245	1/4	1,074	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		4,563	1/2	3,392	1/2	2,221	1/2	1,049	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		4,539	3/4	3,368	3/4	2,196	3/4	1,025	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4
9	9		9		9		9		4,515	9	3,343	9	2,172	9	1,001	9		9		9		9		9		9		9		9
1/4	1/4		1/4		1/4		1/4		4,490	1/4	3,319	1/4	2,147	1/4	976	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		4,466	1/2	3,294	1/2	2,123	1/2	952	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		4,441	3/4	3,270	3/4	2,099	3/4	927	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4
10	10		10		10		10		4,417	10	3,246	10	2,074	10	903	10		10		10		10		10		10		10		10
1/4	1/4		1/4		1/4		1/4		4,393	1/4	3,221	1/4	2,050	1/4	879	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		4,368	1/2	3,197	1/2	2,025	1/2	854	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		4,344	3/4	3,172	3/4	2,001	3/4	830	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4
11	11		11		11		11		4,319	11	3,148	11	1,977	11	805	11		11		11		11								



INSPECTORATE

ISO 9002 ACCREDITED

BARGE "HFL-401" HINES FURLONG LINE

INNAGE TABL

PORT SLOP TANK

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

HULL NO. 4593

CAPACITIES GIVEN IN U.S. GALLONS

STRAPPED: 11/12/07

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

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INSPECTORATE AMERICA CORPORATION



**BARGE "HFL-401"
HINES FURLONG LINE**

INNAGE TABL

STAR SLOP TANK

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

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Bauer