



BARGE "HFL-603" HINES FURLONG LINE

INNAGE TABLE

1 PORT

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

HULL NO. 4598

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
0	904	0	15,069	0	29,534	0	43,999	0	58,464	0	72,929	0	87,394	0	101,859	0	116,323	0	130,788	0	145,253	0	159,718	0	174,183	0	188,648	0	203,033
1/4	1,120	1/4	15,370	1/4	29,835	1/4	44,300	1/4	58,765	1/4	73,230	1/4	87,695	1/4	102,160	1/4	116,625	1/4	131,090	1/4	145,555	1/4	160,019	1/4	174,484	1/4	188,949	1/4	203,332
1/2	1,335	1/2	15,672	1/2	30,137	1/2	44,602	1/2	59,067	1/2	73,531	1/2	87,996	1/2	102,461	1/2	116,926	1/2	131,391	1/2	145,856	1/2	160,321	1/2	174,786	1/2	189,251	1/2	203,610
3/4	1,551	3/4	15,973	3/4	30,438	3/4	44,903	3/4	59,368	3/4	73,833	3/4	88,298	3/4	102,763	3/4	117,227	3/4	131,692	3/4	146,157	3/4	160,622	3/4	175,087	3/4	189,552	3/4	203,887
1	1,831	1	16,275	1	30,739	1	45,204	1	59,669	1	74,134	1	88,599	1	103,064	1	117,529	1	131,994	1	146,459	1	160,924	1	175,388	1	189,852	1	204,164
1/4	2,111	1/4	16,576	1/4	31,041	1/4	45,506	1/4	59,971	1/4	74,435	1/4	88,900	1/4	103,365	1/4	117,830	1/4	132,295	1/4	146,760	1/4	161,225	1/4	175,690	1/4	190,151	1/4	204,441
1/2	2,412	1/2	16,877	1/2	31,342	1/2	45,807	1/2	60,272	1/2	74,737	1/2	89,202	1/2	103,667	1/2	118,132	1/2	132,596	1/2	147,061	1/2	161,526	1/2	175,991	1/2	190,451	1/2	204,676
3/4	2,714	3/4	17,179	3/4	31,643	3/4	46,108	3/4	60,573	3/4	75,038	3/4	89,503	3/4	103,968	3/4	118,433	3/4	132,898	3/4	147,363	3/4	161,828	3/4	176,292	3/4	190,750	3/4	204,911
2	3,015	2	17,480	2	31,945	2	46,410	2	60,875	2	75,340	2	89,804	2	104,269	2	118,734	2	133,199	2	147,664	2	162,129	2	176,594	2	191,050	2	205,145
1/4	3,316	1/4	17,781	1/4	32,246	1/4	46,711	1/4	61,176	1/4	75,641	1/4	90,106	1/4	104,571	1/4	119,036	1/4	133,500	1/4	147,965	1/4	162,430	1/4	176,895	1/4	191,349	1/4	205,380
1/2	3,618	1/2	18,083	1/2	32,548	1/2	47,012	1/2	61,477	1/2	75,942	1/2	90,407	1/2	104,872	1/2	119,337	1/2	133,802	1/2	148,267	1/2	162,732	1/2	177,197	1/2	191,649	1/2	205,570
3/4	3,919	3/4	18,384	3/4	32,849	3/4	47,314	3/4	61,779	3/4	76,244	3/4	90,708	3/4	105,173	3/4	119,638	3/4	134,103	3/4	148,568	3/4	163,033	3/4	177,498	3/4	191,949	3/4	205,759
3	4,220	3	18,685	3	33,150	3	47,615	3	62,080	3	76,545	3	91,010	3	105,475	3	119,940	3	134,405	3	148,869	3	163,334	3	177,799	3	192,248	3	205,949
1/4	4,522	1/4	18,987	1/4	33,452	1/4	47,917	1/4	62,381	1/4	76,846	1/4	91,311	1/4	105,776	1/4	120,241	1/4	134,706	1/4	149,171	1/4	163,636	1/4	178,101	1/4	192,548	1/4	206,139
1/2	4,823	1/2	19,288	1/2	33,753	1/2	48,218	1/2	62,683	1/2	77,148	1/2	91,613	1/2	106,077	1/2	120,542	1/2	135,007	1/2	149,472	1/2	163,937	1/2	178,402	1/2	192,847	1/2	206,284
3/4	5,125	3/4	19,589	3/4	34,054	3/4	48,519	3/4	62,984	3/4	77,449	3/4	91,914	3/4	106,379	3/4	120,844	3/4	135,309	3/4	149,773	3/4	164,238	3/4	178,703	3/4	193,147	3/4	206,430
4	5,426	4	19,891	4	34,356	4	48,821	4	63,285	4	77,750	4	92,215	4	106,680	4	121,145	4	135,610	4	150,075	4	164,540	4	179,005	4	193,446	4	206,575
1/4	5,727	1/4	20,192	1/4	34,657	1/4	49,122	1/4	63,587	1/4	78,052	1/4	92,517	1/4	107,081	1/4	121,446	1/4	135,911	1/4	150,376	1/4	164,841	1/4	179,306	1/4	193,746	1/4	206,720
1/2	6,029	1/2	20,493	1/2	34,958	1/2	49,423	1/2	63,888	1/2	78,353	1/2	92,818	1/2	107,283	1/2	121,748	1/2	136,213	1/2	150,678	1/2	165,142	1/2	179,607	1/2	194,046	1/2	206,820
3/4	6,330	3/4	20,795	3/4	35,260	3/4	49,725	3/4	64,190	3/4	78,654	3/4	93,119	3/4	107,584	3/4	122,049	3/4	136,514	3/4	150,979	3/4	165,444	3/4	179,909	3/4	194,345	3/4	206,921
5	6,631	5	21,096	5	35,561	5	50,026	5	64,491	5	78,956	5	93,421	5	107,886	5	122,350	5	136,815	5	151,280	5	165,745	5	180,210	5	194,645	5	207,021
1/4	6,933	1/4	21,398	1/4	35,862	1/4	50,327	1/4	64,792	1/4	79,257	1/4	93,722	1/4	108,187	1/4	122,652	1/4	137,117	1/4	151,582	1/4	166,046	1/4	180,511	1/4	194,944	1/4	207,122
1/2	7,234	1/2	21,699	1/2	36,164	1/2	50,629	1/2	65,094	1/2	79,558	1/2	94,023	1/2	108,488	1/2	122,953	1/2	137,418	1/2	151,883	1/2	166,348	1/2	180,813	1/2	195,244	1/2	207,177
3/4	7,535	3/4	22,000	3/4	36,465	3/4	50,930	3/4	65,395	3/4	79,860	3/4	94,325	3/4	108,790	3/4	123,255	3/4	137,719	3/4	152,184	3/4	166,649	3/4	181,114	3/4	195,543	3/4	207,233
6	7,837	6	22,302	6	36,766	6	51,231	6	65,696	6	80,161	6	94,626	6	109,091	6	123,556	6	138,021	6	152,486	6	166,951	6	181,415	6	195,843	6	207,289
1/4	8,138	1/4	22,603	1/4	37,068	1/4	51,533	1/4	65,998	1/4	80,466	1/4	94,927	1/4	109,392	1/4	123,857	1/4	138,322	1/4	152,787	1/4	167,252	1/4	181,717	1/4	196,143	1/4	207,345
1/2	8,439	1/2	22,904	1/2	37,369	1/2	51,834	1/2	66,299	1/2	80,764	1/2	95,229	1/2	109,694	1/2	124,159	1/2	138,623	1/2	153,088	1/2	167,553	1/2	182,018	1/2	196,442	1/2	207,361
3/4	8,741	3/4	23,206	3/4	37,671	3/4	52,135	3/4	66,600	3/4	81,065	3/4	95,530	3/4	109,995	3/4	124,460	3/4	138,925	3/4	153,390	3/4	167,855	3/4	182,319	3/4	196,742	3/4	207,378
7	9,042	7	23,507	7	37,972	7	52,437	7	66,907	7	81,367	7	95,831	7	110,296	7	124,761	7	139,226	7	153,691	7	168,156	7	182,621	7	197,041	7	207,394
1/4	9,343	1/4	23,808	1/4	38,273	1/4	52,738	1/4	67,203	1/4	81,668	1/4	96,133	1/4	110,598	1/4	125,063	1/4	139,528	1/4	154,011	1/4	168,457	1/4	182,922	1/4	197,341	1/4	207,401
1/2	9,645	1/2	24,110	1/2	38,575	1/2	53,039	1/2	67,504	1/2	81,969	1/2	96,434	1/2	110,899	1/2	125,364	1/2	139,829	1/2	154,294	1/2	168,759	1/2	183,224	1/2	197,641	1/2	207,411
3/4	9,946	3/4	24,411	3/4	38,876	3/4	53,341	3/4	67,806	3/4	82,271	3/4	96,736	3/4	111,200	3/4	125,665	3/4	140,130	3/4	154,595	3/4	169,060	3/4	183,525	3/4	197,940	3/4	207,421
8	10,248	8	24,712	8	39,177	8	53,642	8	68,107	8	82,572	8	97,037	8	111,502	8	125,967	8	140,432	8	154,896	8	169,361	8	183,826	8	198,240	8	207,431
1/4	10,549	1/4	25,014	1/4	39,479	1/4	53,944	1/4	68,408	1/4	82,873	1/4	97,338	1/4	111,803	1/4	126,268	1/4	140,733	1/4	155,198	1/4	169,663	1/4	184,128	1/4	198,539	1/4	207,441
1/2	10,850	1/2	25,315	1/2	39,780	1/2	54,245	1/2	68,710	1/2	83,175	1/2	97,640	1/2	112,104	1/2	126,569	1/2	141,034	1/2	155,499	1/2	169,964	1/2	184,429	1/2	198,839	1/2	207,451
3/4	11,152	3/4	25,616	3/4	40,081	3/4	54,546	3/4	69,011	3/4	83,476	3/4	97,941	3/4	112,406	3/4	126,871	3/4	141,336	3/4	155,801	3/4	170,265	3/4	184,730	3/4	199,138	3/4	207,461
9	11,453	9	25,918	9	40,383	9	54,848	9	69,312	9	83,777	9	98,242	9	112,707	9	127,172	9	141,637	9	156,102	9	170,567	9	185,032	9	199,438	9	207,471
1/4	11,754	1/4	26,219	1/4	40,684	1/4	55,149	1/4	69,614	1/4	84,079	1/4	98,544	1/4	113,009	1/4	127,473	1/4	141,938	1/4	156,403	1/4	170,868	1/4	185,333	1/4	199,738	1/4	207,481
1/2	12,056	1/2	26,521	1/2	40,985	1/2	55,450	1/2	69,915	1/2	84,380	1/2	98,845	1/2	113,310	1/2	127,775	1/2	142,240	1/2	156,705	1/2	171,169	1/2	185,634	1/2	200,037	1/2	207,491
3/4	12,357	3/4	26,822	3/4	41,287	3/4	55,752	3/4	70,217	3/4	84,681	3/4	99,146	3/4	113,611	3/4	128,076	3/4	142,541	3/4	157,006	3/4	171,471	3/4	185,936	3/4	200,337	3/4	207,501
10	12,658	10	27,123	10	41,588	10	56,053	10	70,518	10	84,983																		



BARGE "HFL-603" HINES FURLONG LINE

INNAGE TABLE

1 STAR

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

HULL NO. 4598

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
0	* 904	0	15,069	0	29,534	0	43,999	0	58,464	0	72,929	0	87,394	0	101,859	0	116,323	0	130,788	0	145,253	0	159,718	0	174,183	0	188,648	0	203,113
1/4	1,120	1/4	15,370	1/4	29,835	1/4	44,300	1/4	58,765	1/4	73,230	1/4	87,695	1/4	102,160	1/4	116,625	1/4	131,090	1/4	145,555	1/4	160,019	1/4	174,484	1/4	188,949	1/4	203,414
1/2	1,335	1/2	15,672	1/2	30,137	1/2	44,602	1/2	59,067	1/2	73,531	1/2	87,996	1/2	102,461	1/2	116,926	1/2	131,391	1/2	145,856	1/2	160,321	1/2	174,786	1/2	189,251	1/2	203,716
3/4	1,551	3/4	15,973	3/4	30,438	3/4	44,903	3/4	59,368	3/4	73,833	3/4	88,298	3/4	102,763	3/4	117,227	3/4	131,692	3/4	146,157	3/4	160,622	3/4	175,087	3/4	189,552	3/4	204,017
1	1,831	1	16,275	1	30,739	1	45,204	1	59,669	1	74,134	1	88,599	1	103,064	1	117,529	1	131,994	1	146,459	1	160,924	1	175,388	1	189,852	1	204,317
1/4	2,111	1/4	16,576	1/4	31,041	1/4	45,506	1/4	59,971	1/4	74,435	1/4	88,900	1/4	103,365	1/4	117,830	1/4	132,295	1/4	146,760	1/4	161,225	1/4	175,690	1/4	190,151	1/4	204,616
1/2	2,412	1/2	16,877	1/2	31,342	1/2	45,807	1/2	60,272	1/2	74,737	1/2	89,202	1/2	103,667	1/2	118,132	1/2	132,596	1/2	147,061	1/2	161,526	1/2	175,991	1/2	190,451	1/2	204,916
3/4	2,714	3/4	17,179	3/4	31,643	3/4	46,108	3/4	60,573	3/4	75,038	3/4	89,503	3/4	103,968	3/4	118,433	3/4	132,898	3/4	147,363	3/4	161,828	3/4	176,292	3/4	190,750	3/4	205,211
2	3,015	2	17,480	2	31,945	2	46,410	2	60,875	2	75,340	2	89,804	2	104,269	2	118,734	2	133,199	2	147,664	2	162,129	2	176,594	2	191,050	2	205,515
1/4	3,316	1/4	17,781	1/4	32,246	1/4	46,711	1/4	61,176	1/4	75,641	1/4	90,106	1/4	104,571	1/4	119,036	1/4	133,500	1/4	147,965	1/4	162,430	1/4	176,895	1/4	191,349	1/4	205,880
1/2	3,618	1/2	18,083	1/2	32,548	1/2	47,012	1/2	61,477	1/2	75,942	1/2	90,407	1/2	104,872	1/2	119,337	1/2	133,802	1/2	148,267	1/2	162,732	1/2	177,197	1/2	191,649	1/2	206,370
3/4	3,919	3/4	18,384	3/4	32,849	3/4	47,314	3/4	61,779	3/4	76,244	3/4	90,708	3/4	105,173	3/4	119,638	3/4	134,103	3/4	148,568	3/4	163,033	3/4	177,498	3/4	191,949	3/4	206,759
3	4,220	3	18,685	3	33,150	3	47,615	3	62,080	3	76,545	3	91,010	3	105,475	3	119,940	3	134,405	3	148,869	3	163,334	3	177,799	3	192,248	3	206,949
1/4	4,522	1/4	18,987	1/4	33,452	1/4	47,917	1/4	62,381	1/4	76,846	1/4	91,311	1/4	105,776	1/4	120,241	1/4	134,706	1/4	149,171	1/4	163,636	1/4	178,101	1/4	192,548	1/4	207,139
1/2	4,823	1/2	19,288	1/2	33,753	1/2	48,218	1/2	62,683	1/2	77,148	1/2	91,613	1/2	106,077	1/2	120,542	1/2	135,007	1/2	149,472	1/2	163,937	1/2	178,402	1/2	192,847	1/2	207,484
3/4	5,125	3/4	19,589	3/4	34,054	3/4	48,519	3/4	62,984	3/4	77,449	3/4	91,914	3/4	106,379	3/4	120,844	3/4	135,309	3/4	149,773	3/4	164,238	3/4	178,703	3/4	193,147	3/4	207,823
4	5,426	4	19,891	4	34,356	4	48,821	4	63,285	4	77,750	4	92,215	4	106,680	4	121,145	4	135,610	4	150,075	4	164,540	4	179,005	4	193,446	4	208,219
1/4	5,727	1/4	20,192	1/4	34,657	1/4	49,122	1/4	63,587	1/4	78,052	1/4	92,517	1/4	107,001	1/4	121,446	1/4	135,911	1/4	150,376	1/4	164,841	1/4	179,306	1/4	193,746	1/4	208,579
1/2	6,029	1/2	20,493	1/2	34,958	1/2	49,423	1/2	63,888	1/2	78,353	1/2	92,818	1/2	107,283	1/2	121,748	1/2	136,213	1/2	150,678	1/2	165,142	1/2	179,607	1/2	194,046	1/2	208,920
3/4	6,330	3/4	20,795	3/4	35,260	3/4	49,725	3/4	64,190	3/4	78,654	3/4	93,119	3/4	107,584	3/4	122,049	3/4	136,514	3/4	150,979	3/4	165,444	3/4	179,909	3/4	194,345	3/4	209,221
5	6,631	5	21,096	5	35,561	5	50,026	5	64,491	5	78,956	5	93,421	5	107,886	5	122,350	5	136,815	5	151,280	5	165,745	5	180,210	5	194,645	5	209,516
1/4	6,933	1/4	21,398	1/4	35,862	1/4	50,327	1/4	64,792	1/4	79,257	1/4	93,722	1/4	108,187	1/4	122,652	1/4	137,117	1/4	151,582	1/4	166,046	1/4	180,511	1/4	194,944	1/4	209,819
1/2	7,234	1/2	21,699	1/2	36,164	1/2	50,629	1/2	65,094	1/2	79,558	1/2	94,023	1/2	108,488	1/2	122,953	1/2	137,418	1/2	151,883	1/2	166,348	1/2	180,813	1/2	195,244	1/2	209,177
3/4	7,535	3/4	22,000	3/4	36,465	3/4	50,930	3/4	65,395	3/4	79,860	3/4	94,325	3/4	108,790	3/4	123,255	3/4	137,719	3/4	152,184	3/4	166,649	3/4	181,114	3/4	195,543	3/4	209,473
6	7,837	6	22,302	6	36,766	6	51,231	6	65,696	6	80,161	6	94,626	6	109,091	6	123,556	6	138,021	6	152,486	6	166,951	6	181,415	6	195,843	6	209,789
1/4	8,138	1/4	22,603	1/4	37,068	1/4	51,533	1/4	65,998	1/4	80,463	1/4	94,927	1/4	109,392	1/4	123,857	1/4	138,322	1/4	152,787	1/4	167,252	1/4	181,717	1/4	196,143	1/4	209,345
1/2	8,439	1/2	22,904	1/2	37,369	1/2	51,834	1/2	66,299	1/2	80,764	1/2	95,229	1/2	109,694	1/2	124,159	1/2	138,623	1/2	153,088	1/2	167,553	1/2	182,018	1/2	196,442	1/2	209,361
3/4	8,741	3/4	23,206	3/4	37,671	3/4	52,135	3/4	66,600	3/4	81,065	3/4	95,530	3/4	109,995	3/4	124,460	3/4	138,925	3/4	153,390	3/4	167,855	3/4	182,319	3/4	196,742	3/4	209,378
7	9,042	7	23,507	7	37,972	7	52,437	7	66,902	7	81,367	7	95,831	7	110,296	7	124,761	7	139,226	7	153,691	7	168,156	7	182,621	7	197,041	7	209,394
1/4	9,343	1/4	23,808	1/4	38,273	1/4	52,738	1/4	67,203	1/4	81,668	1/4	96,133	1/4	110,598	1/4	125,063	1/4	139,528	1/4	153,992	1/4	168,457	1/4	182,922	1/4	197,341	1/4	209,411
1/2	9,645	1/2	24,110	1/2	38,575	1/2	53,039	1/2	67,504	1/2	81,969	1/2	96,434	1/2	110,899	1/2	125,364	1/2	139,829	1/2	154,294	1/2	168,759	1/2	183,224	1/2	197,641	1/2	209,428
3/4	9,946	3/4	24,411	3/4	38,876	3/4	53,341	3/4	67,806	3/4	82,271	3/4	96,736	3/4	111,200	3/4	125,665	3/4	140,130	3/4	154,595	3/4	169,060	3/4	183,525	3/4	197,940	3/4	209,445
8	10,248	8	24,712	8	39,177	8	53,642	8	68,107	8	82,572	8	97,037	8	111,502	8	125,967	8	140,432	8	154,896	8	169,361	8	183,826	8	198,240	8	209,462
1/4	10,549	1/4	25,014	1/4	39,479	1/4	53,944	1/4	68,408	1/4	82,873	1/4	97,338	1/4	111,803	1/4	126,268	1/4	140,733	1/4	155,198	1/4	169,663	1/4	184,128	1/4	198,539	1/4	209,479
1/2	10,850	1/2	25,315	1/2	39,780	1/2	54,245	1/2	68,710	1/2	83,175	1/2	97,640	1/2	112,104	1/2	126,569	1/2	141,034	1/2	155,499	1/2	169,964	1/2	184,429	1/2	198,839	1/2	209,496
3/4	11,152	3/4	25,616	3/4	40,081	3/4	54,546	3/4	69,011	3/4	83,476	3/4	97,941	3/4	112,406	3/4	126,871	3/4	141,336	3/4	155,801	3/4	170,265	3/4	184,730	3/4	199,138	3/4	209,513
9	11,453	9	25,918	9	40,383	9	54,848	9	69,312	9	83,777	9	98,242	9	112,707	9	127,172	9	141,637	9	156,102	9	170,567	9	185,032	9	199,438	9	209,530
1/4	11,754	1/4	26,219	1/4	40,684	1/4	55,149	1/4	69,614	1/4	84,079	1/4	98,544	1/4	113,009	1/4	127,473	1/4	141,938	1/4	156,403	1/4	170,868	1/4	185,333	1/4	199,738	1/4	209,547
1/2	12,056	1/2	26,521	1/2	40,985	1/2	55,450	1/2	69,915	1/2	84,380	1/2	98,845	1/2	113,310	1/2	127,775	1/2	142,240	1/2	156,705	1/2	171,169	1/2	185,634	1/2	200,037	1/2	209,564
3/4	12,357	3/4	26,822	3/4	41,287	3/4	55,752	3/4	70,217	3/4	84,681	3/4	99,146	3/4	113,611	3/4	128,076	3/4	142,541	3/4	157,006	3/4	171,471	3/4	185,936	3/4	200,337	3/4	209,581
10	12,658	10	27,123	10	41,588	10	56,053	10	70,518	10	84,983	10																	



BARGE "HFL-603" HINES FURLONG LINE

INNAGE TABLE

2 PORT

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

HULL NO. 4598

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	1,090	0	18,105	0	35,476	0	52,846	0	70,216	0	87,586	0	104,957	0	122,327	0	139,697	0	157,067	0	174,438	0	191,808	0	209,178	0	226,548	0	243,918
1/4	1,350	1/4	18,467	1/4	35,837	1/4	53,208	1/4	70,578	1/4	87,948	1/4	105,318	1/4	122,689	1/4	140,059	1/4	157,429	1/4	174,799	1/4	192,170	1/4	209,540	1/4	226,910	1/4	244,280
1/2	1,609	1/2	18,829	1/2	36,199	1/2	53,570	1/2	70,940	1/2	88,310	1/2	105,680	1/2	123,051	1/2	140,421	1/2	157,791	1/2	175,161	1/2	192,532	1/2	209,902	1/2	227,272	1/2	244,642
3/4	1,869	3/4	19,191	3/4	36,561	3/4	53,931	3/4	71,302	3/4	88,672	3/4	106,042	3/4	123,412	3/4	140,783	3/4	158,153	3/4	175,523	3/4	192,893	3/4	210,264	3/4	227,634	3/4	244,913
1	2,207	1	19,553	1	36,923	1	54,293	1	71,664	1	89,034	1	106,404	1	123,774	1	141,145	1	158,515	1	175,885	1	193,255	1	210,626	1	227,995	1	245,365
1/4	2,545	1/4	19,915	1/4	37,285	1/4	54,655	1/4	72,025	1/4	89,396	1/4	106,766	1/4	124,136	1/4	141,506	1/4	158,877	1/4	176,247	1/4	193,617	1/4	210,987	1/4	228,356	1/4	245,726
1/2	2,906	1/2	20,277	1/2	37,647	1/2	55,017	1/2	72,387	1/2	89,758	1/2	107,128	1/2	124,498	1/2	141,868	1/2	159,239	1/2	176,609	1/2	193,979	1/2	211,349	1/2	228,717	1/2	245,864
3/4	3,268	3/4	20,639	3/4	38,009	3/4	55,379	3/4	72,749	3/4	90,119	3/4	107,490	3/4	124,860	3/4	142,230	3/4	159,600	3/4	176,971	3/4	194,341	3/4	211,711	3/4	229,078	3/4	246,147
2	3,630	2	21,000	2	38,371	2	55,741	2	73,111	2	90,481	2	107,852	2	125,222	2	142,592	2	159,962	2	177,332	2	194,703	2	212,073	2	229,439	2	246,429
1/4	3,992	1/4	21,362	1/4	38,733	1/4	56,103	1/4	73,473	1/4	90,843	1/4	108,213	1/4	125,584	1/4	142,954	1/4	160,324	1/4	177,694	1/4	195,065	1/4	212,435	1/4	229,800	1/4	246,712
1/2	4,354	1/2	21,724	1/2	39,094	1/2	56,465	1/2	73,835	1/2	91,205	1/2	108,575	1/2	125,946	1/2	143,316	1/2	160,686	1/2	178,056	1/2	195,427	1/2	212,797	1/2	230,162	1/2	246,941
3/4	4,716	3/4	22,086	3/4	39,456	3/4	56,827	3/4	74,197	3/4	91,567	3/4	108,937	3/4	126,307	3/4	143,678	3/4	161,048	3/4	178,418	3/4	195,788	3/4	213,159	3/4	230,523	3/4	247,170
3	5,078	3	22,448	3	39,818	3	57,188	3	74,559	3	91,929	3	109,299	3	126,669	3	144,040	3	161,410	3	178,780	3	196,150	3	213,521	3	230,884	3	247,399
1/4	5,440	1/4	22,810	1/4	40,180	1/4	57,550	1/4	74,921	1/4	92,291	1/4	109,661	1/4	127,031	1/4	144,401	1/4	161,771	1/4	179,142	1/4	196,512	1/4	213,882	1/4	231,245	1/4	247,627
1/2	5,801	1/2	23,172	1/2	40,542	1/2	57,912	1/2	75,282	1/2	92,653	1/2	110,023	1/2	127,393	1/2	144,763	1/2	162,134	1/2	179,504	1/2	196,874	1/2	214,244	1/2	231,606	1/2	247,802
3/4	6,163	3/4	23,534	3/4	40,904	3/4	58,274	3/4	75,644	3/4	93,015	3/4	110,385	3/4	127,755	3/4	145,125	3/4	162,495	3/4	179,866	3/4	197,236	3/4	214,606	3/4	231,967	3/4	247,977
4	6,525	4	23,895	4	41,266	4	58,636	4	76,006	4	93,376	4	110,747	4	128,117	4	145,487	4	162,857	4	180,228	4	197,598	4	214,968	4	232,328	4	248,152
1/4	6,887	1/4	24,257	1/4	41,628	1/4	58,998	1/4	76,368	1/4	93,738	1/4	111,109	1/4	128,479	1/4	145,849	1/4	163,219	1/4	180,589	1/4	197,960	1/4	215,330	1/4	232,689	1/4	248,327
1/2	7,249	1/2	24,619	1/2	41,989	1/2	59,360	1/2	76,730	1/2	94,100	1/2	111,470	1/2	128,841	1/2	146,211	1/2	163,581	1/2	180,951	1/2	198,322	1/2	215,692	1/2	233,050	1/2	248,448
3/4	7,611	3/4	24,981	3/4	42,351	3/4	59,722	3/4	77,092	3/4	94,462	3/4	111,832	3/4	129,203	3/4	146,573	3/4	163,943	3/4	181,313	3/4	198,683	3/4	216,054	3/4	233,411	3/4	248,570
5	7,973	5	25,343	5	42,713	5	60,083	5	77,454	5	94,824	5	112,194	5	129,564	5	146,935	5	164,305	5	181,675	5	199,045	5	216,416	5	233,773	5	248,691
1/4	8,335	1/4	25,705	1/4	43,075	1/4	60,445	1/4	77,816	1/4	95,186	1/4	112,556	1/4	129,926	1/4	147,297	1/4	164,667	1/4	182,037	1/4	199,407	1/4	216,777	1/4	234,134	1/4	248,812
1/2	8,696	1/2	26,067	1/2	43,437	1/2	60,807	1/2	78,177	1/2	95,548	1/2	112,918	1/2	130,288	1/2	147,658	1/2	165,029	1/2	182,399	1/2	199,769	1/2	217,139	1/2	234,495	1/2	248,879
3/4	9,058	3/4	26,429	3/4	43,799	3/4	61,169	3/4	78,539	3/4	95,910	3/4	113,280	3/4	130,650	3/4	148,020	3/4	165,391	3/4	182,761	3/4	200,131	3/4	217,501	3/4	234,856	3/4	248,946
6	9,420	6	26,790	6	44,161	6	61,531	6	78,901	6	96,271	6	113,642	6	131,012	6	148,382	6	165,752	6	183,123	6	200,493	6	217,863	6	235,217	6	249,013
1/4	9,782	1/4	27,152	1/4	44,523	1/4	61,893	1/4	79,263	1/4	96,633	1/4	114,004	1/4	131,374	1/4	148,744	1/4	166,114	1/4	183,485	1/4	200,855	1/4	218,225	1/4	235,578	1/4	249,080
1/2	10,144	1/2	27,514	1/2	44,884	1/2	62,255	1/2	79,625	1/2	96,995	1/2	114,365	1/2	131,736	1/2	149,106	1/2	166,476	1/2	183,846	1/2	201,217	1/2	218,587	1/2	235,939	1/2	249,100
3/4	10,506	3/4	27,876	3/4	45,246	3/4	62,617	3/4	79,987	3/4	97,357	3/4	114,727	3/4	132,098	3/4	149,468	3/4	166,838	3/4	184,208	3/4	201,579	3/4	218,949	3/4	236,300	3/4	249,120
7	10,868	7	28,238	7	45,608	7	62,978	7	80,349	7	97,719	7	115,089	7	132,459	7	149,830	7	167,200	7	184,570	7	201,940	7	219,311	7	236,661	7	249,140
1/4	11,230	1/4	28,600	1/4	45,970	1/4	63,340	1/4	80,711	1/4	98,081	1/4	115,451	1/4	132,821	1/4	150,192	1/4	167,562	1/4	184,932	1/4	202,302	1/4	219,673	1/4	237,022	1/4	249,140
1/2	11,592	1/2	28,962	1/2	46,332	1/2	63,702	1/2	81,072	1/2	98,443	1/2	115,813	1/2	133,183	1/2	150,553	1/2	167,924	1/2	185,294	1/2	202,664	1/2	220,034	1/2	237,384	1/2	249,140
3/4	11,953	3/4	29,324	3/4	46,694	3/4	64,064	3/4	81,434	3/4	98,805	3/4	116,175	3/4	133,545	3/4	150,915	3/4	168,286	3/4	185,656	3/4	203,026	3/4	220,396	3/4	237,745	3/4	249,140
8	12,315	8	29,686	8	47,056	8	64,426	8	81,796	8	99,166	8	116,537	8	133,907	8	151,277	8	168,647	8	186,018	8	203,388	8	220,758	8	238,106	8	249,140
1/4	12,677	1/4	30,047	1/4	47,418	1/4	64,788	1/4	82,158	1/4	99,528	1/4	116,899	1/4	134,269	1/4	151,639	1/4	169,009	1/4	186,380	1/4	203,750	1/4	221,120	1/4	238,467	1/4	249,140
1/2	13,039	1/2	30,409	1/2	47,780	1/2	65,159	1/2	82,520	1/2	99,890	1/2	117,260	1/2	134,631	1/2	152,001	1/2	169,371	1/2	186,741	1/2	204,112	1/2	221,482	1/2	238,828	1/2	249,140
3/4	13,401	3/4	30,771	3/4	48,141	3/4	65,512	3/4	82,882	3/4	100,252	3/4	117,622	3/4	134,993	3/4	152,363	3/4	169,733	3/4	187,103	3/4	204,474	3/4	221,844	3/4	239,189	3/4	



BARGE "HFL-603" HINES FURLONG LINE

INNAGE TABLE

2 STAR

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

HULL NO. 4598

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
0	* 1,090	0	18,105	0	35,476	0	52,846	0	70,216	0	87,586	0	104,957	0	122,327	0	139,697	0	157,067	0	174,438	0	191,808	0	209,178	0	226,548	0	243,918
1/4	1,350	1/4	18,467	1/4	35,837	1/4	53,208	1/4	70,578	1/4	87,948	1/4	105,318	1/4	122,689	1/4	140,059	1/4	157,429	1/4	174,799	1/4	192,170	1/4	209,540	1/4	226,910	1/4	244,280
1/2	1,609	1/2	18,829	1/2	36,199	1/2	53,570	1/2	70,940	1/2	88,310	1/2	105,680	1/2	123,051	1/2	140,421	1/2	157,791	1/2	175,161	1/2	192,532	1/2	209,902	1/2	227,272	1/2	244,642
3/4	1,869	3/4	19,191	3/4	36,561	3/4	53,931	3/4	71,302	3/4	88,672	3/4	106,042	3/4	123,412	3/4	140,783	3/4	158,153	3/4	175,523	3/4	192,893	3/4	210,264	3/4	227,634	3/4	244,913
1	2,207	1	19,553	1	36,923	1	54,293	1	71,664	1	89,034	1	106,404	1	123,774	1	141,145	1	158,515	1	175,885	1	193,255	1	210,626	1	227,996	1	245,366
1/4	2,545	1/4	19,915	1/4	37,285	1/4	54,655	1/4	72,025	1/4	89,396	1/4	106,766	1/4	124,136	1/4	141,506	1/4	158,877	1/4	176,247	1/4	193,617	1/4	210,987	1/4	228,356	1/4	245,726
1/2	2,906	1/2	20,277	1/2	37,647	1/2	55,017	1/2	72,387	1/2	89,758	1/2	107,128	1/2	124,498	1/2	141,868	1/2	159,239	1/2	176,609	1/2	193,979	1/2	211,349	1/2	228,717	1/2	245,864
3/4	3,268	3/4	20,639	3/4	38,009	3/4	55,379	3/4	72,749	3/4	90,119	3/4	107,490	3/4	124,860	3/4	142,230	3/4	159,600	3/4	176,971	3/4	194,341	3/4	211,711	3/4	228,078	3/4	245,941
2	3,630	2	21,000	2	38,371	2	55,741	2	73,111	2	90,481	2	107,852	2	125,222	2	142,592	2	159,962	2	177,333	2	194,703	2	212,073	2	229,439	2	246,809
1/4	3,992	1/4	21,362	1/4	38,733	1/4	56,103	1/4	73,473	1/4	90,843	1/4	108,213	1/4	125,584	1/4	142,954	1/4	160,324	1/4	177,694	1/4	195,065	1/4	212,435	1/4	229,800	1/4	247,165
1/2	4,354	1/2	21,724	1/2	39,094	1/2	56,465	1/2	73,835	1/2	91,205	1/2	108,575	1/2	125,946	1/2	143,316	1/2	160,686	1/2	178,056	1/2	195,427	1/2	212,797	1/2	230,162	1/2	248,027
3/4	4,716	3/4	22,086	3/4	39,456	3/4	56,827	3/4	74,197	3/4	91,567	3/4	108,937	3/4	126,307	3/4	143,678	3/4	161,048	3/4	178,418	3/4	195,788	3/4	213,159	3/4	230,523	3/4	248,391
3	5,078	3	22,448	3	39,818	3	57,188	3	74,559	3	91,929	3	109,299	3	126,669	3	144,040	3	161,410	3	178,780	3	196,150	3	213,521	3	230,884	3	248,248
1/4	5,440	1/4	22,810	1/4	40,180	1/4	57,550	1/4	74,921	1/4	92,291	1/4	109,661	1/4	127,031	1/4	144,401	1/4	161,771	1/4	179,142	1/4	196,512	1/4	213,882	1/4	231,245	1/4	249,110
1/2	5,801	1/2	23,172	1/2	40,542	1/2	57,912	1/2	75,282	1/2	92,652	1/2	110,022	1/2	127,393	1/2	144,763	1/2	162,134	1/2	179,504	1/2	196,874	1/2	214,244	1/2	231,606	1/2	249,471
3/4	6,163	3/4	23,534	3/4	40,904	3/4	58,274	3/4	75,644	3/4	93,015	3/4	110,385	3/4	127,755	3/4	145,125	3/4	162,495	3/4	179,866	3/4	197,236	3/4	214,606	3/4	231,967	3/4	249,832
4	6,525	4	23,895	4	41,266	4	58,636	4	76,006	4	93,376	4	110,747	4	128,117	4	145,487	4	162,857	4	180,228	4	197,598	4	214,968	4	232,328	4	249,693
1/4	6,887	1/4	24,257	1/4	41,628	1/4	58,998	1/4	76,368	1/4	93,738	1/4	111,109	1/4	128,479	1/4	145,849	1/4	163,219	1/4	180,589	1/4	197,960	1/4	215,330	1/4	232,689	1/4	250,054
1/2	7,249	1/2	24,619	1/2	41,989	1/2	59,360	1/2	76,730	1/2	94,100	1/2	111,470	1/2	128,841	1/2	146,211	1/2	163,581	1/2	180,951	1/2	198,322	1/2	215,692	1/2	233,050	1/2	250,419
3/4	7,611	3/4	24,981	3/4	42,351	3/4	59,722	3/4	77,092	3/4	94,462	3/4	111,832	3/4	129,203	3/4	146,573	3/4	163,943	3/4	181,313	3/4	198,683	3/4	216,054	3/4	233,411	3/4	250,688
5	7,973	5	25,343	5	42,713	5	60,083	5	77,454	5	94,824	5	112,194	5	129,564	5	146,935	5	164,305	5	181,675	5	199,045	5	216,416	5	233,773	5	251,145
1/4	8,335	1/4	25,705	1/4	43,075	1/4	60,443	1/4	77,814	1/4	95,186	1/4	112,556	1/4	129,926	1/4	147,297	1/4	164,667	1/4	182,037	1/4	199,407	1/4	216,777	1/4	234,134	1/4	251,503
1/2	8,696	1/2	26,067	1/2	43,437	1/2	60,807	1/2	78,177	1/2	95,548	1/2	112,918	1/2	130,288	1/2	147,658	1/2	165,029	1/2	182,399	1/2	199,769	1/2	217,139	1/2	234,499	1/2	251,872
3/4	9,058	3/4	26,429	3/4	43,799	3/4	61,169	3/4	78,539	3/4	95,910	3/4	113,280	3/4	130,650	3/4	148,020	3/4	165,391	3/4	182,761	3/4	200,131	3/4	217,501	3/4	234,856	3/4	252,207
6	9,420	6	26,790	6	44,161	6	61,531	6	78,901	6	96,271	6	113,642	6	131,012	6	148,382	6	165,752	6	183,123	6	200,493	6	217,863	6	235,217	6	252,571
1/4	9,782	1/4	27,152	1/4	44,523	1/4	61,893	1/4	79,263	1/4	96,633	1/4	114,004	1/4	131,374	1/4	148,744	1/4	166,114	1/4	183,485	1/4	200,855	1/4	218,225	1/4	235,578	1/4	253,025
1/2	10,144	1/2	27,514	1/2	44,884	1/2	62,255	1/2	79,625	1/2	96,995	1/2	114,365	1/2	131,736	1/2	149,106	1/2	166,476	1/2	183,846	1/2	201,217	1/2	218,587	1/2	235,939	1/2	253,389
3/4	10,506	3/4	27,876	3/4	45,246	3/4	62,617	3/4	79,987	3/4	97,357	3/4	114,727	3/4	132,098	3/4	149,468	3/4	166,838	3/4	184,208	3/4	201,579	3/4	218,949	3/4	236,300	3/4	253,741
7	10,868	7	28,238	7	45,608	7	62,978	7	80,349	7	97,719	7	115,089	7	132,459	7	149,830	7	167,200	7	184,570	7	201,940	7	219,311	7	236,661	7	254,092
1/4	11,230	1/4	28,600	1/4	45,970	1/4	63,340	1/4	80,711	1/4	98,081	1/4	115,451	1/4	132,821	1/4	150,192	1/4	167,562	1/4	184,932	1/4	202,302	1/4	219,673	1/4	237,022	1/4	254,443
1/2	11,592	1/2	28,962	1/2	46,332	1/2	63,702	1/2	81,072	1/2	98,443	1/2	115,813	1/2	133,183	1/2	150,553	1/2	167,924	1/2	185,294	1/2	202,664	1/2	220,034	1/2	237,384	1/2	254,803
3/4	11,953	3/4	29,324	3/4	46,694	3/4	64,064	3/4	81,434	3/4	98,805	3/4	116,175	3/4	133,545	3/4	150,915	3/4	168,286	3/4	185,656	3/4	203,026	3/4	220,396	3/4	237,745	3/4	255,163
8	12,315	8	29,686	8	47,056	8	64,426	8	81,796	8	99,166	8	116,537	8	133,907	8	151,277	8	168,647	8	186,018	8	203,388	8	220,758	8	238,106	8	255,515
1/4	12,677	1/4	30,047	1/4	47,418	1/4	64,788	1/4	82,158	1/4	99,528	1/4	116,899	1/4	134,269	1/4	151,639	1/4	169,009	1/4	186,380	1/4	203,750	1/4	221,120	1/4	238,467	1/4	255,872
1/2	13,039	1/2	30,409	1/2	47,780	1/2	65,150	1/2	82,520	1/2	99,890	1/2	117,260	1/2	134,631	1/2	152,001	1/2	169,371	1/2	186,741	1/2	204,112	1/2	221,482	1/2	238,828	1/2	256,183
3/4	13,401	3/4	30,771	3/4	48,141	3/4	65,512	3/4	82,882	3/4	100,252	3/4	117,622	3/4	134,993	3/4	152,363	3/4	169,733	3/4	187,103	3/4	204,474	3/4	221,844	3/4	239,189	3/4	256,544
9	13,763	9	31,133	9	48,503	9	65,874	9	83,244	9	100,614	9	117,984	9	135,354	9	152,725	9	170,095	9	187,465	9	204,835	9	222,206	9	239,550		
1/4	14,125	1/4	31,495	1/4	48,865	1/4	66,235	1/4	83,606	1/4	100,976	1/4	118,346	1/4	135,716	1/4	153,087	1/4	170,457	1/4	187,827	1/4	205,197	1/4	222,568	1/4	239,911		
1/2	14,487	1/2	31,857	1/2	49,227	1/2	66,597	1/2	83,968	1/2	101,338																		



BARGE "HFL-603" HINES FURLONG LINE

INNAGE TABLE

3 PORT

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

HULL NO. 4598

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	* 1,087	0	18,060	0	35,388	0	52,716	0	70,044	0	87,372	0	104,700	0	122,028	0	139,355	0	156,683	0	172,831	0	185,507	0	198,176	0	210,846	0	223,515
1/4	1,346	1/4	18,421	1/4	35,749	1/4	53,077	1/4	70,405	1/4	87,733	1/4	105,061	1/4	122,389	1/4	139,716	1/4	157,044	1/4	173,101	1/4	185,771	1/4	198,440	1/4	211,110	1/4	223,779
1/2	1,605	1/2	18,782	1/2	36,110	1/2	53,438	1/2	70,766	1/2	88,094	1/2	105,422	1/2	122,750	1/2	140,077	1/2	157,405	1/2	173,365	1/2	186,035	1/2	198,704	1/2	211,374	1/2	224,025
3/4	1,864	3/4	19,143	3/4	36,471	3/4	53,799	3/4	71,127	3/4	88,455	3/4	105,783	3/4	123,111	3/4	140,438	3/4	157,766	3/4	173,629	3/4	186,299	3/4	198,968	3/4	211,638	3/4	224,271
1	2,201	1	19,504	1	36,832	1	54,160	1	71,488	1	88,816	1	106,144	1	123,472	1	140,799	1	158,127	1	173,893	1	186,563	1	199,232	1	211,902	1	224,516
1/4	2,537	1/4	19,865	1/4	37,193	1/4	54,521	1/4	71,849	1/4	89,177	1/4	106,505	1/4	123,833	1/4	141,160	1/4	158,488	1/4	174,157	1/4	186,827	1/4	199,496	1/4	212,165	1/4	224,762
1/2	2,898	1/2	20,226	1/2	37,554	1/2	54,882	1/2	72,210	1/2	89,538	1/2	106,866	1/2	124,194	1/2	141,521	1/2	158,849	1/2	174,421	1/2	187,091	1/2	199,760	1/2	212,429	1/2	224,968
3/4	3,259	3/4	20,587	3/4	37,915	3/4	55,243	3/4	72,571	3/4	89,899	3/4	107,227	3/4	124,555	3/4	141,882	3/4	159,210	3/4	174,685	3/4	187,355	3/4	200,024	3/4	212,693	3/4	225,175
2	3,620	2	20,948	2	38,276	2	55,604	2	72,932	2	90,260	2	107,588	2	124,916	2	142,243	2	159,571	2	174,949	2	187,618	2	200,288	2	212,957	2	225,381
1/4	3,981	1/4	21,309	1/4	38,637	1/4	55,965	1/4	73,293	1/4	90,621	1/4	107,949	1/4	125,277	1/4	142,604	1/4	159,932	1/4	175,213	1/4	187,882	1/4	200,552	1/4	213,221	1/4	225,588
1/2	4,342	1/2	21,670	1/2	38,998	1/2	56,326	1/2	73,654	1/2	90,982	1/2	108,310	1/2	125,638	1/2	142,965	1/2	160,293	1/2	175,477	1/2	188,146	1/2	200,816	1/2	213,485	1/2	225,755
3/4	4,703	3/4	22,031	3/4	39,359	3/4	56,687	3/4	74,015	3/4	91,343	3/4	108,671	3/4	125,999	3/4	143,326	3/4	160,654	3/4	175,741	3/4	188,410	3/4	201,080	3/4	213,749	3/4	225,922
3	5,064	3	22,392	3	39,720	3	57,048	3	74,376	3	91,704	3	109,032	3	126,360	3	143,687	3	161,015	3	176,005	3	188,674	3	201,344	3	214,013	3	226,089
1/4	5,425	1/4	22,753	1/4	40,081	1/4	57,409	1/4	74,737	1/4	92,065	1/4	109,393	1/4	126,721	1/4	144,048	1/4	161,376	1/4	176,269	1/4	188,938	1/4	201,608	1/4	214,277	1/4	226,256
1/2	5,786	1/2	23,114	1/2	40,442	1/2	57,770	1/2	75,098	1/2	92,426	1/2	109,754	1/2	127,082	1/2	144,409	1/2	161,737	1/2	176,533	1/2	189,202	1/2	201,872	1/2	214,541	1/2	226,384
3/4	6,147	3/4	23,475	3/4	40,803	3/4	58,131	3/4	75,459	3/4	92,787	3/4	110,115	3/4	127,443	3/4	144,770	3/4	162,098	3/4	176,797	3/4	189,466	3/4	202,136	3/4	214,805	3/4	226,512
4	6,508	4	23,836	4	41,164	4	58,492	4	75,820	4	93,148	4	110,476	4	127,804	4	145,131	4	162,459	4	177,061	4	189,730	4	202,399	4	215,069	4	226,640
1/4	6,869	1/4	24,197	1/4	41,525	1/4	58,853	1/4	76,181	1/4	93,509	1/4	110,837	1/4	128,165	1/4	145,492	1/4	162,820	1/4	177,325	1/4	189,994	1/4	202,663	1/4	215,333	1/4	226,767
1/2	7,230	1/2	24,558	1/2	41,886	1/2	59,214	1/2	76,542	1/2	93,870	1/2	111,198	1/2	128,526	1/2	145,853	1/2	163,181	1/2	177,589	1/2	190,258	1/2	202,927	1/2	215,597	1/2	226,856
3/4	7,591	3/4	24,919	3/4	42,247	3/4	59,575	3/4	76,903	3/4	94,231	3/4	111,559	3/4	128,887	3/4	146,214	3/4	163,542	3/4	177,852	3/4	190,522	3/4	203,191	3/4	215,861	3/4	226,944
5	7,952	5	25,280	5	42,608	5	59,936	5	77,264	5	94,592	5	111,920	5	129,248	5	146,575	5	163,903	5	178,116	5	190,786	5	203,455	5	216,125	5	227,033
1/4	8,313	1/4	25,641	1/4	42,969	1/4	60,297	1/4	77,625	1/4	94,953	1/4	112,281	1/4	129,608	1/4	146,936	1/4	164,264	1/4	178,380	1/4	191,050	1/4	203,719	1/4	216,389	1/4	227,121
1/2	8,674	1/2	26,002	1/2	43,330	1/2	60,658	1/2	77,986	1/2	95,314	1/2	112,642	1/2	129,969	1/2	147,297	1/2	164,625	1/2	178,644	1/2	191,314	1/2	203,983	1/2	216,653	1/2	227,170
3/4	9,035	3/4	26,363	3/4	43,691	3/4	61,019	3/4	78,347	3/4	95,675	3/4	113,003	3/4	130,330	3/4	147,658	3/4	164,981	3/4	178,908	3/4	191,578	3/4	204,247	3/4	216,916	3/4	227,220
6	9,396	6	26,724	6	44,052	6	61,380	6	78,708	6	96,036	6	113,364	6	130,691	6	148,019	6	165,336	6	179,172	6	191,842	6	204,511	6	217,180	6	227,269
1/4	9,757	1/4	27,085	1/4	44,413	1/4	61,741	1/4	79,069	1/4	96,397	1/4	113,725	1/4	131,052	1/4	148,380	1/4	165,691	1/4	179,436	1/4	192,106	1/4	204,775	1/4	217,444	1/4	227,318
1/2	10,118	1/2	27,446	1/2	44,774	1/2	62,102	1/2	79,430	1/2	96,758	1/2	114,086	1/2	131,413	1/2	148,741	1/2	166,046	1/2	179,700	1/2	192,370	1/2	205,039	1/2	217,708	1/2	227,333
3/4	10,479	3/4	27,807	3/4	45,135	3/4	62,463	3/4	79,791	3/4	97,119	3/4	114,447	3/4	131,774	3/4	149,102	3/4	166,387	3/4	179,964	3/4	192,633	3/4	205,303	3/4	217,972	3/4	227,347
7	10,840	7	28,168	7	45,496	7	62,824	7	80,152	7	97,480	7	114,808	7	132,135	7	149,463	7	166,728	7	180,228	7	192,897	7	205,567	7	218,236	7	227,362
1/4	11,201	1/4	28,529	1/4	45,857	1/4	63,185	1/4	80,513	1/4	97,841	1/4	115,169	1/4	132,496	1/4	149,824	1/4	167,069	1/4	180,492	1/4	193,161	1/4	205,831	1/4	218,500	1/4	227,377
1/2	11,562	1/2	28,890	1/2	46,218	1/2	63,546	1/2	80,874	1/2	98,202	1/2	115,530	1/2	132,857	1/2	150,185	1/2	167,410	1/2	180,756	1/2	193,425	1/2	206,095	1/2	218,764	1/2	227,387
3/4	11,923	3/4	29,251	3/4	46,579	3/4	63,907	3/4	81,235	3/4	98,563	3/4	115,891	3/4	133,218	3/4	150,546	3/4	167,736	3/4	181,020	3/4	193,689	3/4	206,359	3/4	219,028	3/4	227,400
8	12,284	8	29,612	8	46,940	8	64,268	8	81,596	8	98,924	8	116,252	8	133,579	8	150,907	8	168,063	8	181,284	8	193,953	8	206,623	8	219,292	8	227,412
1/4	12,645	1/4	29,973	1/4	47,301	1/4	64,629	1/4	81,957	1/4	99,285	1/4	116,613	1/4	133,940	1/4	151,268	1/4	168,389	1/4	181,548	1/4	194,217	1/4	206,887	1/4	219,556	1/4	227,424
1/2	13,006	1/2	30,334	1/2	47,662	1/2	64,990	1/2	82,318	1/2	99,646	1/2	116,974	1/2	134,301	1/2	151,629	1/2	168,716	1/2	181,812	1/2	194,481	1/2	207,150	1/2	219,820	1/2	227,436
3/4	13,367	3/4	30,695	3/4	48,023	3/4	65,351	3/4	82,679	3/4	100,007	3/4	117,335	3/4	134,662	3/4	151,990	3/4	169,028	3/4	182,076	3/4	194,745	3/4	207,414	3/4	220,084	3/4	



BARGE "HFL-603" HINES FURLONG LINE

INNAGE TABLE

3 STAR

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

HULL NO. 4598

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	1,087	0	18,060	0	35,388	0	52,716	0	70,044	0	87,372	0	104,700	0	122,028	0	139,355	0	156,683	0	172,831	0	185,507	0	198,176	0	210,846	0	223,515
1/4	1,346	1/4	18,421	1/4	35,749	1/4	53,077	1/4	70,405	1/4	87,733	1/4	105,061	1/4	122,389	1/4	139,716	1/4	157,044	1/4	173,101	1/4	185,771	1/4	198,440	1/4	211,110	1/4	223,779
1/2	1,605	1/2	18,782	1/2	36,110	1/2	53,438	1/2	70,766	1/2	88,094	1/2	105,422	1/2	122,750	1/2	140,077	1/2	157,405	1/2	173,365	1/2	186,035	1/2	198,704	1/2	211,374	1/2	224,025
3/4	1,864	3/4	19,143	3/4	36,471	3/4	53,799	3/4	71,127	3/4	88,455	3/4	105,783	3/4	123,111	3/4	140,438	3/4	157,766	3/4	173,629	3/4	186,299	3/4	198,968	3/4	211,638	3/4	224,271
1	2,201	1	19,504	1	36,832	1	54,160	1	71,488	1	88,816	1	106,144	1	123,472	1	140,799	1	158,127	1	173,893	1	186,563	1	199,232	1	211,902	1	224,516
1/4	2,537	1/4	19,865	1/4	37,193	1/4	54,521	1/4	71,849	1/4	89,177	1/4	106,505	1/4	123,833	1/4	141,160	1/4	158,488	1/4	174,157	1/4	186,827	1/4	199,496	1/4	212,165	1/4	224,762
1/2	2,898	1/2	20,226	1/2	37,554	1/2	54,882	1/2	72,210	1/2	89,538	1/2	106,866	1/2	124,194	1/2	141,521	1/2	158,849	1/2	174,421	1/2	187,091	1/2	199,760	1/2	212,429	1/2	224,968
3/4	3,259	3/4	20,587	3/4	37,915	3/4	55,243	3/4	72,571	3/4	89,899	3/4	107,227	3/4	124,555	3/4	141,882	3/4	159,210	3/4	174,685	3/4	187,355	3/4	200,024	3/4	212,693	3/4	225,175
2	3,620	2	20,948	2	38,276	2	55,604	2	72,932	2	90,260	2	107,588	2	124,916	2	142,243	2	159,571	2	174,949	2	187,618	2	200,288	2	212,957	2	225,381
1/4	3,981	1/4	21,309	1/4	38,637	1/4	55,965	1/4	73,293	1/4	90,621	1/4	107,949	1/4	125,277	1/4	142,604	1/4	159,932	1/4	175,213	1/4	187,882	1/4	200,552	1/4	213,221	1/4	225,588
1/2	4,342	1/2	21,670	1/2	38,998	1/2	56,326	1/2	73,654	1/2	90,982	1/2	108,310	1/2	125,638	1/2	142,965	1/2	160,293	1/2	175,477	1/2	188,146	1/2	200,816	1/2	213,485	1/2	225,755
3/4	4,703	3/4	22,031	3/4	39,359	3/4	56,687	3/4	74,015	3/4	91,343	3/4	108,671	3/4	125,999	3/4	143,326	3/4	160,654	3/4	175,741	3/4	188,410	3/4	201,080	3/4	213,749	3/4	225,922
3	5,064	3	22,392	3	39,720	3	57,048	3	74,376	3	91,704	3	109,032	3	126,360	3	143,687	3	161,015	3	176,005	3	188,674	3	201,344	3	214,013	3	226,089
1/4	5,425	1/4	22,753	1/4	40,081	1/4	57,409	1/4	74,737	1/4	92,065	1/4	109,393	1/4	126,721	1/4	144,048	1/4	161,376	1/4	176,269	1/4	188,938	1/4	201,608	1/4	214,277	1/4	226,256
1/2	5,786	1/2	23,114	1/2	40,442	1/2	57,770	1/2	75,098	1/2	92,426	1/2	109,754	1/2	127,082	1/2	144,409	1/2	161,737	1/2	176,533	1/2	189,202	1/2	201,872	1/2	214,541	1/2	226,384
3/4	6,147	3/4	23,475	3/4	40,803	3/4	58,131	3/4	75,459	3/4	92,787	3/4	110,115	3/4	127,443	3/4	144,770	3/4	162,098	3/4	176,797	3/4	189,466	3/4	202,136	3/4	214,805	3/4	226,512
4	6,508	4	23,836	4	41,164	4	58,492	4	75,820	4	93,148	4	110,476	4	127,804	4	145,131	4	162,459	4	177,061	4	189,730	4	202,399	4	215,069	4	226,640
1/4	6,869	1/4	24,197	1/4	41,525	1/4	58,853	1/4	76,181	1/4	93,509	1/4	110,837	1/4	128,165	1/4	145,492	1/4	162,820	1/4	177,325	1/4	189,994	1/4	202,663	1/4	215,333	1/4	226,767
1/2	7,230	1/2	24,558	1/2	41,886	1/2	59,214	1/2	76,542	1/2	93,870	1/2	111,198	1/2	128,526	1/2	145,853	1/2	163,181	1/2	177,589	1/2	190,258	1/2	202,927	1/2	215,597	1/2	226,856
3/4	7,591	3/4	24,919	3/4	42,247	3/4	59,575	3/4	76,903	3/4	94,231	3/4	111,559	3/4	128,887	3/4	146,214	3/4	163,542	3/4	177,852	3/4	190,522	3/4	203,191	3/4	215,861	3/4	226,944
5	7,952	5	25,280	5	42,608	5	59,936	5	77,264	5	94,592	5	111,920	5	129,248	5	146,575	5	163,903	5	178,116	5	190,786	5	203,455	5	216,125	5	227,033
1/4	8,313	1/4	25,641	1/4	42,969	1/4	60,297	1/4	77,625	1/4	94,953	1/4	112,281	1/4	129,608	1/4	146,936	1/4	164,264	1/4	178,380	1/4	191,050	1/4	203,719	1/4	216,389	1/4	227,121
1/2	8,674	1/2	26,002	1/2	43,330	1/2	60,658	1/2	77,986	1/2	95,314	1/2	112,642	1/2	129,969	1/2	147,297	1/2	164,625	1/2	178,644	1/2	191,314	1/2	203,983	1/2	216,653	1/2	227,470
3/4	9,035	3/4	26,363	3/4	43,691	3/4	61,019	3/4	78,347	3/4	95,675	3/4	113,003	3/4	130,330	3/4	147,658	3/4	164,981	3/4	179,008	3/4	191,578	3/4	204,247	3/4	216,916	3/4	227,220
6	9,396	6	26,724	6	44,052	6	61,380	6	78,708	6	96,036	6	113,364	6	130,691	6	148,019	6	165,336	6	179,172	6	191,842	6	204,511	6	217,180	6	227,269
1/4	9,757	1/4	27,085	1/4	44,413	1/4	61,741	1/4	79,069	1/4	96,397	1/4	113,725	1/4	131,052	1/4	148,380	1/4	165,691	1/4	179,436	1/4	192,106	1/4	204,775	1/4	217,444	1/4	227,318
1/2	10,118	1/2	27,446	1/2	44,774	1/2	62,102	1/2	79,430	1/2	96,758	1/2	114,086	1/2	131,413	1/2	148,741	1/2	166,046	1/2	179,700	1/2	192,370	1/2	205,039	1/2	217,708	1/2	227,333
3/4	10,479	3/4	27,807	3/4	45,135	3/4	62,463	3/4	79,791	3/4	97,119	3/4	114,447	3/4	131,774	3/4	149,102	3/4	166,387	3/4	179,964	3/4	192,633	3/4	205,303	3/4	217,972	3/4	227,347
7	10,840	7	28,168	7	45,496	7	62,824	7	80,152	7	97,480	7	114,808	7	132,135	7	149,463	7	166,728	7	180,228	7	192,897	7	205,567	7	218,236	7	227,362
1/4	11,201	1/4	28,529	1/4	45,857	1/4	63,185	1/4	80,513	1/4	97,841	1/4	115,169	1/4	132,496	1/4	149,824	1/4	167,069	1/4	180,492	1/4	193,161	1/4	205,831	1/4	218,500	1/4	227,318
1/2	11,562	1/2	28,890	1/2	46,218	1/2	63,546	1/2	80,874	1/2	98,202	1/2	115,530	1/2	132,857	1/2	150,185	1/2	167,410	1/2	180,756	1/2	193,425	1/2	206,095	1/2	218,764	1/2	227,333
3/4	11,923	3/4	29,251	3/4	46,579	3/4	63,907	3/4	81,235	3/4	98,563	3/4	115,891	3/4	133,218	3/4	150,546	3/4	167,736	3/4	181,020	3/4	193,689	3/4	206,359	3/4	219,028	3/4	227,347
8	12,284	8	29,612	8	46,940	8	64,268	8	81,596	8	98,924	8	116,252	8	133,579	8	150,907	8	168,063	8	181,284	8	193,953	8	206,623	8	219,292	8	227,362
1/4	12,645	1/4	29,973	1/4	47,301	1/4	64,629	1/4	81,957	1/4	99,285	1/4	116,613	1/4	133,940	1/4	151,268	1/4	168,389	1/4	181,548	1/4	194,217	1/4	206,887	1/4	219,556	1/4	227,318
1/2	13,006	1/2	30,334	1/2	47,662	1/2	64,990	1/2	82,318	1/2	99,646	1/2	116,974	1/2	134,301	1/2	151,629	1/2	168,716	1/2	181,812	1/2	194,481	1/2	207,150	1/2	219,820	1/2	227,333
3/4	13,367	3/4	30,695	3/4	48,023	3/4	65,351	3/4	82,679	3/4	100,007	3/4	117,335	3/4	134,662	3/4	151,990	3/4	169,028	3/4	182,076	3/4	194,745	3/4	207,414	3/4	220,084	3/4	



BARGE "HFL-603" HINES FURLONG LINE

OUTAGE TABLE

1 PORT

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

HULL NO. 4598

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	206,575	0	193,446	0	179,005	0	164,540	0	150,075	0	135,610	0	121,145	0	106,680	0	92,215	0	77,750	0	63,285	0	48,821	0	34,356	0	19,891	0	5,426
1/4		1/4	206,430	1/4	193,147	1/4	178,703	1/4	164,238	1/4	149,773	1/4	135,309	1/4	120,844	1/4	106,379	1/4	91,914	1/4	77,449	1/4	62,984	1/4	48,519	1/4	34,054	1/4	19,589	1/4	5,125
1/2		1/2	206,284	1/2	192,847	1/2	178,402	1/2	163,937	1/2	149,472	1/2	135,007	1/2	120,542	1/2	106,077	1/2	91,613	1/2	77,148	1/2	62,683	1/2	48,218	1/2	33,753	1/2	19,288	1/2	4,823
3/4		3/4	206,139	3/4	192,548	3/4	178,101	3/4	163,636	3/4	149,171	3/4	134,706	3/4	120,241	3/4	105,776	3/4	91,311	3/4	76,846	3/4	62,381	3/4	47,917	3/4	33,452	3/4	18,987	3/4	4,522
1		1	205,949	1	192,248	1	177,799	1	163,334	1	148,869	1	134,405	1	119,940	1	105,475	1	91,010	1	76,545	1	62,080	1	47,615	1	33,150	1	18,685	1	4,220
1/4		1/4	205,759	1/4	191,949	1/4	177,498	1/4	163,033	1/4	148,568	1/4	134,103	1/4	119,638	1/4	105,173	1/4	90,708	1/4	76,244	1/4	61,779	1/4	47,314	1/4	32,849	1/4	18,384	1/4	3,919
1/2		1/2	205,570	1/2	191,649	1/2	177,197	1/2	162,732	1/2	148,267	1/2	133,802	1/2	119,337	1/2	104,872	1/2	90,407	1/2	75,942	1/2	61,477	1/2	47,012	1/2	32,548	1/2	18,083	1/2	3,618
3/4		3/4	205,380	3/4	191,349	3/4	177,895	3/4	162,430	3/4	147,965	3/4	133,500	3/4	119,036	3/4	104,571	3/4	90,106	3/4	75,641	3/4	61,176	3/4	46,711	3/4	32,246	3/4	17,781	3/4	3,316
2		2	205,145	2	191,050	2	176,594	2	162,129	2	147,664	2	133,199	2	118,734	2	104,269	2	89,804	2	75,340	2	60,875	2	46,410	2	31,945	2	17,480	2	3,015
1/4		1/4	204,911	1/4	190,750	1/4	176,292	1/4	161,828	1/4	147,363	1/4	132,898	1/4	118,433	1/4	103,968	1/4	89,503	1/4	75,038	1/4	60,573	1/4	46,108	1/4	31,643	1/4	17,179	1/4	2,714
1/2		1/2	204,676	1/2	190,451	1/2	175,991	1/2	161,526	1/2	147,061	1/2	132,596	1/2	118,132	1/2	103,667	1/2	89,202	1/2	74,737	1/2	60,272	1/2	45,807	1/2	31,342	1/2	16,877	1/2	2,412
3/4		3/4	204,441	3/4	190,151	3/4	175,690	3/4	161,225	3/4	146,760	3/4	132,295	3/4	117,830	3/4	103,365	3/4	88,900	3/4	74,435	3/4	59,971	3/4	45,506	3/4	31,041	3/4	16,576	3/4	2,111
3		3	204,164	3	189,852	3	175,388	3	160,924	3	146,459	3	131,994	3	117,529	3	103,064	3	88,599	3	74,134	3	59,669	3	45,204	3	30,739	3	16,275	3	1,831
1/4		1/4	203,887	1/4	189,552	1/4	175,087	1/4	160,622	1/4	146,157	1/4	131,692	1/4	117,227	1/4	102,763	1/4	88,298	1/4	73,833	1/4	59,368	1/4	44,903	1/4	30,438	1/4	15,973	1/4	1,551
1/2		1/2	203,610	1/2	189,251	1/2	174,786	1/2	160,321	1/2	145,856	1/2	131,391	1/2	116,926	1/2	102,461	1/2	87,996	1/2	73,531	1/2	59,067	1/2	44,602	1/2	30,137	1/2	15,672	1/2	1,335
3/4		3/4	203,332	3/4	188,949	3/4	174,484	3/4	160,019	3/4	145,555	3/4	131,090	3/4	116,625	3/4	102,160	3/4	87,695	3/4	73,230	3/4	58,765	3/4	44,300	3/4	29,835	3/4	15,370	3/4	1,120
4		4	203,033	4	188,648	4	174,183	4	159,718	4	145,253	4	130,788	4	116,323	4	101,859	4	87,394	4	72,929	4	58,464	4	43,999	4	29,534	4	15,089	4	* 904
1/4		1/4	202,733	1/4	188,347	1/4	173,882	1/4	159,417	1/4	144,952	1/4	130,487	1/4	116,022	1/4	101,557	1/4	87,092	1/4	72,627	1/4	58,162	1/4	43,698	1/4	29,233	1/4	14,768	1/4	
1/2		1/2	202,434	1/2	188,045	1/2	173,580	1/2	159,115	1/2	144,650	1/2	130,186	1/2	115,721	1/2	101,256	1/2	86,791	1/2	72,326	1/2	57,861	1/2	43,396	1/2	28,931	1/2	14,466	1/2	
3/4		3/4	202,134	3/4	187,744	3/4	173,279	3/4	158,814	3/4	144,349	3/4	129,884	3/4	115,419	3/4	100,954	3/4	86,490	3/4	72,025	3/4	57,560	3/4	43,095	3/4	28,630	3/4	14,165	3/4	
5		5	201,835	5	187,442	5	172,978	5	158,513	5	144,048	5	129,583	5	115,118	5	100,653	5	86,188	5	71,723	5	57,258	5	42,794	5	28,329	5	13,864	5	
1/4		1/4	201,535	1/4	187,141	1/4	172,676	1/4	158,211	1/4	143,746	1/4	129,282	1/4	114,817	1/4	100,352	1/4	85,887	1/4	71,422	1/4	56,957	1/4	42,492	1/4	28,027	1/4	13,562	1/4	
1/2		1/2	201,235	1/2	186,840	1/2	172,375	1/2	157,910	1/2	143,444	1/2	128,980	1/2	114,515	1/2	100,050	1/2	85,586	1/2	71,121	1/2	56,656	1/2	42,191	1/2	27,726	1/2	13,261	1/2	
3/4		3/4	200,936	3/4	186,538	3/4	172,074	3/4	157,609	3/4	143,144	3/4	128,679	3/4	114,214	3/4	99,749	3/4	85,284	3/4	70,819	3/4	56,354	3/4	41,889	3/4	27,425	3/4	12,960	3/4	
6		6	200,636	6	186,237	6	171,772	6	157,307	6	142,842	6	128,377	6	113,913	6	99,448	6	84,983	6	70,518	6	56,053	6	41,588	6	27,123	6	12,658	6	
1/4		1/4	200,337	1/4	185,936	1/4	171,471	1/4	157,006	1/4	142,541	1/4	128,076	1/4	113,611	1/4	99,146	1/4	84,681	1/4	70,217	1/4	55,752	1/4	41,287	1/4	26,822	1/4	12,357	1/4	
1/2		1/2	200,037	1/2	185,634	1/2	171,169	1/2	156,705	1/2	142,240	1/2	127,775	1/2	113,310	1/2	98,845	1/2	84,380	1/2	69,915	1/2	55,450	1/2	40,985	1/2	26,521	1/2	12,056	1/2	
3/4		3/4	199,738	3/4	185,333	3/4	170,868	3/4	156,403	3/4	141,938	3/4	127,473	3/4	113,009	3/4	98,544	3/4	84,079	3/4	69,614	3/4	55,149	3/4	40,684	3/4	26,219	3/4	11,754	3/4	
7		7	199,438	7	185,032	7	170,567	7	156,102	7	141,637	7	127,172	7	112,707	7	98,242	7	83,777	7	69,312	7	54,848	7	40,383	7	25,918	7	11,453	7	
1/4		1/4	199,138	1/4	184,730	1/4	170,265	1/4	155,801	1/4	141,336	1/4	126,871	1/4	112,406	1/4	97,941	1/4	83,476	1/4	69,011	1/4	54,546	1/4	40,081	1/4	25,616	1/4	11,152	1/4	
1/2		1/2	198,839	1/2	184,429	1/2	169,964	1/2	155,499	1/2	141,034	1/2	126,569	1/2	112,104	1/2	97,640	1/2	83,175	1/2	68,710	1/2	54,245	1/2	39,780	1/2	25,315	1/2	10,850	1/2	
3/4		3/4	198,539	3/4	184,128	3/4	169,663	3/4	155,198	3/4	140,733	3/4	126,268	3/4	111,803	3/4	97,338	3/4	82,873	3/4	68,408	3/4	53,944	3/4	39,479	3/4	25,014	3/4	10,549	3/4	
8		8	198,240	8	183,826	8	169,361	8	154,896	8	140,432	8	125,967	8	111,502	8	97,037	8	82,572	8	68,107	8	53,642	8	39,177	8	24,712	8	10,248	8	
1/4		1/4	197,940	1/4	183,525	1/4	169,060	1/4	154,595	1/4	140,130	1/4	125,665	1/4	111,200	1/4	96,736	1/4	82,271	1/4	67,806	1/4	53,341	1/4	38,876	1/4	24,411	1/4	9,946	1/4	
1/2		1/2	197,641	1/2	183,224	1/2	168,759	1/2	154,294	1/2	139,829	1/2	125,364	1/2	110,899	1/2	96,434	1/2	81,969	1/2	67,504	1/2	53,039	1/2	38,575	1/2	24,110	1/2	9,645	1/2	
3/4		3/4	197,341	3/4	182,922	3/4	168,457	3/4	153,992	3/4	139,528	3/4	125,063																		



BARGE "HFL-603" HINES FURLONG LINE OUTAGE TABLE

1 STAR

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

HULL NO. 4598

1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
		206,820		194,046		179,607		165,142		150,678		136,213		121,748		107,283		92,818		78,353		63,888		49,423		34,958		20,493		6,029			
1/4	1/2	206,720	1/4	193,746	1/4	179,306	1/4	164,841	1/4	150,376	1/4	135,911	1/4	121,446	1/4	106,981	1/4	92,517	1/4	78,052	1/4	63,587	1/4	49,122	1/4	34,657	1/4	20,192	1/4	5,727			
1/2	3/4	206,575	1/2	193,446	1/2	179,005	1/2	164,540	1/2	150,075	1/2	135,610	1/2	121,145	1/2	106,680	1/2	92,215	1/2	77,750	1/2	63,285	1/2	48,821	1/2	34,356	1/2	19,891	1/2	5,426			
3/4		206,430	3/4	193,147	3/4	178,703	3/4	164,238	3/4	149,773	3/4	135,309	3/4	120,844	3/4	106,379	3/4	91,914	3/4	77,449	3/4	62,984	3/4	48,519	3/4	34,054	3/4	19,589	3/4	5,125			
1	1/4	206,284	1/4	192,847	1/4	178,402	1/4	163,937	1/4	149,472	1/4	135,007	1/4	120,542	1/4	106,077	1/4	91,613	1/4	77,148	1/4	62,683	1/4	48,218	1/4	33,753	1/4	19,288	1/4	4,823			
1/4	1/2	206,139	1/4	192,548	1/4	178,101	1/4	163,636	1/4	149,171	1/4	134,706	1/4	120,241	1/4	105,776	1/4	91,311	1/4	76,846	1/4	62,381	1/4	47,917	1/4	33,452	1/4	18,987	1/4	4,522			
1/2	3/4	205,949	1/2	192,248	1/2	177,799	1/2	163,334	1/2	148,869	1/2	134,405	1/2	119,940	1/2	105,475	1/2	91,010	1/2	76,545	1/2	62,080	1/2	47,615	1/2	33,150	1/2	18,685	1/2	4,220			
3/4		205,759	3/4	191,949	3/4	177,498	3/4	163,033	3/4	148,568	3/4	134,103	3/4	119,638	3/4	105,173	3/4	90,708	3/4	76,244	3/4	61,779	3/4	47,314	3/4	32,849	3/4	18,384	3/4	3,919			
2	1/4	205,570	1/4	191,649	1/4	177,197	1/4	162,732	1/4	148,267	1/4	133,802	1/4	119,337	1/4	104,872	1/4	90,407	1/4	75,942	1/4	61,477	1/4	47,012	1/4	32,548	1/4	18,083	1/4	3,618			
1/4	1/2	205,380	1/4	191,349	1/4	176,895	1/4	162,430	1/4	147,965	1/4	133,500	1/4	119,036	1/4	104,571	1/4	90,106	1/4	75,641	1/4	61,176	1/4	46,711	1/4	32,246	1/4	17,781	1/4	3,316			
1/2	3/4	205,145	1/2	191,050	1/2	176,594	1/2	162,129	1/2	147,664	1/2	133,199	1/2	118,734	1/2	104,269	1/2	89,804	1/2	75,340	1/2	60,875	1/2	46,410	1/2	31,945	1/2	17,480	1/2	3,015			
3/4		204,911	3/4	190,750	3/4	176,292	3/4	161,828	3/4	147,363	3/4	132,898	3/4	118,433	3/4	103,968	3/4	89,503	3/4	75,038	3/4	60,573	3/4	46,108	3/4	31,643	3/4	17,179	3/4	2,714			
3	1/4	204,676	1/4	190,451	1/4	175,991	1/4	161,526	1/4	147,061	1/4	132,596	1/4	118,132	1/4	103,667	1/4	89,202	1/4	74,737	1/4	60,272	1/4	45,807	1/4	31,342	1/4	16,877	1/4	2,412			
1/4	1/2	204,441	1/4	190,151	1/4	175,690	1/4	161,225	1/4	146,760	1/4	132,295	1/4	117,830	1/4	103,365	1/4	88,900	1/4	74,435	1/4	59,971	1/4	45,506	1/4	31,041	1/4	16,576	1/4	2,111			
1/2	3/4	204,164	1/2	189,852	1/2	175,388	1/2	160,924	1/2	146,459	1/2	131,994	1/2	117,529	1/2	103,064	1/2	88,599	1/2	74,134	1/2	59,669	1/2	45,204	1/2	30,739	1/2	16,275	1/2	1,831			
3/4		203,887	3/4	189,552	3/4	175,087	3/4	160,622	3/4	146,157	3/4	131,692	3/4	117,227	3/4	102,763	3/4	88,298	3/4	73,833	3/4	59,368	3/4	44,903	3/4	30,438	3/4	15,973	3/4	1,551			
4	1/4	203,610	1/4	189,251	1/4	174,786	1/4	160,321	1/4	145,856	1/4	131,391	1/4	116,926	1/4	102,461	1/4	87,996	1/4	73,531	1/4	59,067	1/4	44,602	1/4	30,137	1/4	15,672	1/4	1,335			
1/4	1/2	203,332	1/4	188,949	1/4	174,484	1/4	160,019	1/4	145,555	1/4	131,090	1/4	116,625	1/4	102,160	1/4	87,695	1/4	73,230	1/4	58,765	1/4	44,300	1/4	29,835	1/4	15,370	1/4	1,120			
1/2	3/4	203,033	1/2	188,648	1/2	174,183	1/2	159,718	1/2	145,253	1/2	130,788	1/2	116,323	1/2	101,859	1/2	87,394	1/2	72,929	1/2	58,464	1/2	43,999	1/2	29,534	1/2	15,069	1/2	904			
3/4		202,733	3/4	188,347	3/4	173,882	3/4	159,417	3/4	144,952	3/4	130,487	3/4	116,022	3/4	101,557	3/4	87,092	3/4	72,627	3/4	58,162	3/4	43,698	3/4	29,233	3/4	14,768	3/4				
5	1/4	202,434	1/4	188,045	1/4	173,580	1/4	159,115	1/4	144,650	1/4	130,186	1/4	115,721	1/4	101,256	1/4	86,791	1/4	72,326	1/4	57,861	1/4	43,396	1/4	28,931	1/4	14,466	1/4				
1/4	1/2	202,134	1/4	187,744	1/4	173,279	1/4	158,814	1/4	144,349	1/4	129,884	1/4	115,419	1/4	100,954	1/4	86,490	1/4	72,025	1/4	57,560	1/4	43,095	1/4	28,630	1/4	14,165	1/4				
1/2	3/4	201,835	1/2	187,442	1/2	172,978	1/2	158,513	1/2	144,048	1/2	129,583	1/2	115,118	1/2	100,653	1/2	86,188	1/2	71,723	1/2	57,258	1/2	42,794	1/2	28,329	1/2	13,864	1/2				
3/4		201,535	3/4	187,141	3/4	172,676	3/4	158,211	3/4	143,746	3/4	129,282	3/4	114,817	3/4	100,352	3/4	85,887	3/4	71,422	3/4	56,957	3/4	42,492	3/4	28,027	3/4	13,562	3/4				
6	1/4	201,235	1/4	186,840	1/4	172,375	1/4	157,910	1/4	143,445	1/4	128,980	1/4	114,515	1/4	100,050	1/4	85,586	1/4	71,121	1/4	56,656	1/4	42,191	1/4	27,726	1/4	13,261	1/4				
1/4	1/2	200,936	1/4	186,538	1/4	172,074	1/4	157,609	1/4	143,144	1/4	128,679	1/4	114,214	1/4	99,749	1/4	85,284	1/4	70,819	1/4	56,354	1/4	41,889	1/4	27,425	1/4	12,960	1/4				
1/2	3/4	200,636	1/2	186,237	1/2	171,772	1/2	157,307	1/2	142,842	1/2	128,377	1/2	113,913	1/2	99,448	1/2	84,983	1/2	70,518	1/2	56,053	1/2	41,588	1/2	27,123	1/2	12,658	1/2				
3/4		200,337	3/4	185,936	3/4	171,471	3/4	157,006	3/4	142,541	3/4	128,076	3/4	113,611	3/4	99,146	3/4	84,681	3/4	70,217	3/4	55,752	3/4	41,287	3/4	26,822	3/4	12,357	3/4				
7	1/4	200,037	1/4	185,634	1/4	171,169	1/4	156,705	1/4	142,240	1/4	127,775	1/4	113,310	1/4	98,845	1/4	84,380	1/4	69,915	1/4	55,450	1/4	40,985	1/4	26,521	1/4	12,056	1/4				
1/4	1/2	199,738	1/4	185,333	1/4	170,868	1/4	156,403	1/4	141,938	1/4	127,473	1/4	113,009	1/4	98,544	1/4	84,079	1/4	69,614	1/4	55,149	1/4	40,684	1/4	26,219	1/4	11,754	1/4				
1/2	3/4	199,438	1/2	185,032	1/2	170,567	1/2	156,102	1/2	141,637	1/2	127,172	1/2	112,707	1/2	98,242	1/2	83,777	1/2	69,312	1/2	54,848	1/2	40,383	1/2	25,918	1/2	11,453	1/2				
3/4		199,138	3/4	184,730	3/4	170,265	3/4	155,801	3/4	141,336	3/4	126,871	3/4	112,406	3/4	97,941	3/4	83,476	3/4	69,011	3/4	54,546	3/4	40,081	3/4	25,616	3/4	11,152	3/4				
8	1/4	198,839	1/4	184,429	1/4	169,964	1/4	155,499	1/4	141,034	1/4	126,569	1/4	112,104	1/4	97,640	1/4	83,175	1/4	68,710	1/4	54,245	1/4	39,780	1/4	25,315	1/4	10,850	1/4				
1/4	1/2	198,539	1/4	184,128	1/4	169,663	1/4	155,198	1/4	140,733	1/4	126,268	1/4	111,803	1/4	97,338	1/4	82,873	1/4	68,408	1/4	53,944	1/4	39,479	1/4	25,014	1/4	10,549	1/4				
1/2	3/4	198,240	1/2	183,826	1/2	169,361	1/2	154,896	1																								



BARGE "HFL-603" HINES FURLONG LINE

OUTAGE TABLE

2 PORT

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

HULL NO. 4598

1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.	
0	0	248,448	0	233,050	0	215,692	0	198,322	0	180,951	0	163,581	0	146,211	0	128,841	0	111,470	0	94,100	0	76,730	0	59,360	0	41,989	0	24,619	0	7,249	0
1/4	1/4	248,327	1/4	232,689	1/4	215,330	1/4	197,960	1/4	180,589	1/4	163,219	1/4	145,849	1/4	128,479	1/4	111,109	1/4	93,738	1/4	76,368	1/4	58,998	1/4	41,628	1/4	24,257	1/4	6,887	1/4
1/2	1/2	248,152	1/2	232,328	1/2	214,968	1/2	197,598	1/2	180,228	1/2	162,857	1/2	145,487	1/2	128,117	1/2	110,747	1/2	93,376	1/2	76,006	1/2	58,636	1/2	41,266	1/2	23,895	1/2	6,525	1/2
3/4	3/4	247,977	3/4	231,967	3/4	214,606	3/4	197,236	3/4	179,866	3/4	162,495	3/4	145,125	3/4	127,755	3/4	110,385	3/4	93,015	3/4	75,644	3/4	58,274	3/4	40,904	3/4	23,534	3/4	6,163	3/4
1	1	247,802	1	231,606	1	214,244	1	196,874	1	179,504	1	162,134	1	144,763	1	127,393	1	110,023	1	92,653	1	75,282	1	57,912	1	40,542	1	23,172	1	5,801	1
1/4	1/4	247,627	1/4	231,245	1/4	213,882	1/4	196,512	1/4	179,142	1/4	161,772	1/4	144,401	1/4	127,031	1/4	109,661	1/4	92,291	1/4	74,921	1/4	57,550	1/4	40,180	1/4	22,810	1/4	5,440	1/4
1/2	1/2	247,399	1/2	230,884	1/2	213,521	1/2	196,150	1/2	178,780	1/2	161,410	1/2	144,040	1/2	126,669	1/2	109,299	1/2	91,929	1/2	74,559	1/2	57,188	1/2	39,818	1/2	22,448	1/2	5,078	1/2
3/4	3/4	247,170	3/4	230,523	3/4	213,159	3/4	195,788	3/4	178,418	3/4	161,048	3/4	143,678	3/4	126,307	3/4	108,937	3/4	91,567	3/4	74,197	3/4	56,827	3/4	39,456	3/4	22,086	3/4	4,716	3/4
2	2	246,941	2	230,162	2	212,797	2	195,427	2	178,056	2	160,686	2	143,316	2	125,946	2	108,575	2	91,205	2	73,835	2	56,465	2	39,094	2	21,724	2	4,354	2
1/4	1/4	246,712	1/4	229,800	1/4	212,435	1/4	195,065	1/4	177,694	1/4	160,324	1/4	142,954	1/4	125,584	1/4	108,213	1/4	90,843	1/4	73,473	1/4	56,103	1/4	38,733	1/4	21,362	1/4	3,992	1/4
1/2	1/2	246,429	1/2	229,439	1/2	212,073	1/2	194,703	1/2	177,333	1/2	159,962	1/2	142,592	1/2	125,222	1/2	107,852	1/2	90,481	1/2	73,111	1/2	55,741	1/2	38,371	1/2	21,000	1/2	3,630	1/2
3/4	3/4	246,147	3/4	229,078	3/4	211,711	3/4	194,341	3/4	176,971	3/4	159,600	3/4	142,230	3/4	124,860	3/4	107,490	3/4	90,119	3/4	72,749	3/4	55,379	3/4	38,009	3/4	20,639	3/4	3,268	3/4
3	3	245,864	3	228,717	3	211,349	3	193,979	3	176,609	3	159,239	3	141,868	3	124,498	3	107,128	3	89,758	3	72,387	3	55,017	3	37,647	3	20,277	3	2,906	3
1/4	1/4	245,581	1/4	228,356	1/4	210,987	1/4	193,617	1/4	176,247	1/4	158,877	1/4	141,506	1/4	124,136	1/4	106,766	1/4	89,396	1/4	72,025	1/4	54,655	1/4	37,285	1/4	19,915	1/4	2,545	1/4
1/2	1/2	245,247	1/2	227,995	1/2	210,626	1/2	193,255	1/2	175,885	1/2	158,515	1/2	141,145	1/2	123,774	1/2	106,404	1/2	89,034	1/2	71,664	1/2	54,293	1/2	36,923	1/2	19,553	1/2	2,207	1/2
3/4	3/4	244,913	3/4	227,634	3/4	210,264	3/4	192,893	3/4	175,523	3/4	158,153	3/4	140,783	3/4	123,412	3/4	106,042	3/4	88,672	3/4	71,302	3/4	53,931	3/4	36,561	3/4	19,191	3/4	1,869	3/4
4	4	244,579	4	227,272	4	209,902	4	192,532	4	175,161	4	157,791	4	140,421	4	123,051	4	105,680	4	88,310	4	70,940	4	53,570	4	36,199	4	18,829	4	1,609	4
1/4	1/4	244,244	1/4	226,910	1/4	209,540	1/4	192,170	1/4	174,799	1/4	157,429	1/4	140,059	1/4	122,689	1/4	105,318	1/4	87,948	1/4	70,578	1/4	53,208	1/4	35,837	1/4	18,467	1/4	1,350	1/4
1/2	1/2	243,883	1/2	226,548	1/2	209,178	1/2	191,808	1/2	174,438	1/2	157,067	1/2	139,697	1/2	122,327	1/2	104,957	1/2	87,586	1/2	70,216	1/2	52,846	1/2	35,476	1/2	18,105	1/2	1,090	1/2
3/4	3/4	243,522	3/4	226,186	3/4	208,816	3/4	191,446	3/4	174,076	3/4	156,705	3/4	139,335	3/4	121,965	3/4	104,595	3/4	87,224	3/4	69,854	3/4	52,484	3/4	35,114	3/4	17,743	3/4		3/4
5	5	243,161	5	225,824	5	208,454	5	191,084	5	173,714	5	156,344	5	138,973	5	121,603	5	104,233	5	86,863	5	69,492	5	52,122	5	34,752	5	17,382	5		5
1/4	1/4	242,800	1/4	225,463	1/4	208,092	1/4	190,722	1/4	173,352	1/4	155,982	1/4	138,611	1/4	121,241	1/4	103,871	1/4	86,501	1/4	69,130	1/4	51,760	1/4	34,390	1/4	17,020	1/4		1/4
1/2	1/2	242,439	1/2	225,101	1/2	207,730	1/2	190,360	1/2	172,990	1/2	155,620	1/2	138,250	1/2	120,879	1/2	103,509	1/2	86,139	1/2	68,769	1/2	51,398	1/2	34,028	1/2	16,658	1/2		1/2
3/4	3/4	242,078	3/4	224,739	3/4	207,369	3/4	189,998	3/4	172,628	3/4	155,258	3/4	137,888	3/4	120,517	3/4	103,147	3/4	85,777	3/4	68,407	3/4	51,036	3/4	33,666	3/4	16,296	3/4		3/4
6	6	241,717	6	224,377	6	207,007	6	189,636	6	172,266	6	154,896	6	137,526	6	120,156	6	102,785	6	85,415	6	68,045	6	50,675	6	33,304	6	15,934	6		6
1/4	1/4	241,356	1/4	224,015	1/4	206,645	1/4	189,275	1/4	171,904	1/4	154,534	1/4	137,164	1/4	119,794	1/4	102,423	1/4	85,053	1/4	67,683	1/4	50,313	1/4	32,942	1/4	15,572	1/4		1/4
1/2	1/2	240,994	1/2	223,653	1/2	206,283	1/2	188,913	1/2	171,542	1/2	154,172	1/2	136,802	1/2	119,432	1/2	102,062	1/2	84,691	1/2	67,321	1/2	49,951	1/2	32,581	1/2	15,210	1/2		1/2
3/4	3/4	240,633	3/4	223,291	3/4	205,921	3/4	188,551	3/4	171,181	3/4	153,810	3/4	136,440	3/4	119,070	3/4	101,700	3/4	84,329	3/4	66,959	3/4	49,589	3/4	32,219	3/4	14,848	3/4		3/4
7	7	240,272	7	222,929	7	205,559	7	188,189	7	170,819	7	153,448	7	136,078	7	118,708	7	101,338	7	83,968	7	66,597	7	49,227	7	31,857	7	14,487	7		7
1/4	1/4	239,911	1/4	222,568	1/4	205,197	1/4	187,827	1/4	170,457	1/4	153,087	1/4	135,716	1/4	118,346	1/4	100,976	1/4	83,606	1/4	66,235	1/4	48,865	1/4	31,495	1/4	14,125	1/4		1/4
1/2	1/2	239,550	1/2	222,206	1/2	204,835	1/2	187,465	1/2	170,095	1/2	152,725	1/2	135,354	1/2	117,984	1/2	100,614	1/2	83,244	1/2	65,874	1/2	48,503	1/2	31,133	1/2	13,763	1/2		1/2
3/4	3/4	239,189	3/4	221,844	3/4	204,474	3/4	187,103	3/4	169,733	3/4	152,363	3/4	134,993	3/4	117,622	3/4	100,252	3/4	82,882	3/4	65,512	3/4	48,141	3/4	30,771	3/4	13,401	3/4		3/4
8	8	238,828	8	221,482	8	204,112	8	186,741	8	169,371	8	152,001	8	134,631	8	117,260	8	99,890	8	82,520	8	65,150	8	47,780	8	30,409	8	13,039	8		8
1/4	1/4	238,467	1/4	221,120	1/4	203,750	1/4	186,380	1/4	169,009	1/4	151,639	1/4	134,269	1/4	116,899	1/4	99,528	1/4	82,158	1/4	64,788	1/4	47,418	1/4	30,047	1/4	12,677	1/4		1/4
1/2	1/2	238,106	1/2	220,758	1/2	203,388	1/2	186,018	1/2	168,647	1/2	151,277	1/2	133,907	1/2	116,537	1/2	99,166	1/2	81,796	1/2	64,426	1/2	47,056	1/2	29,686	1/2	12,315	1/2		1/2
3/4	3/4	237,745	3/4	220,396	3/4	203,026	3/4	185,656	3/4	168,286	3/4	150,915	3/4	133,545	3/4	116,175	3/4	98,805	3/4	81,434	3/4	64,064	3/4	46,694	3/4	29,324	3/4	11,953	3/4		3/4
9	9	237,384	9	220,034	9	202,664	9	185,294	9	167,924	9	150,553	9	133,183	9	115,813	9	98,443	9	81,072	9	63,702	9	46,332	9	28,962	9	11,592			



BARGE "HFL-603" HINES FURLONG LINE

OUTAGE TABLE

2 STAR

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

HULL NO. 4598

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	248,448	0	233,050	0	215,692	0	198,322	0	180,951	0	163,581	0	146,211	0	128,841	0	111,470	0	94,100	0	76,730	0	59,360	0	41,989	0	24,619	0	7,249	
1/4	1/4	248,327	1/4	232,689	1/4	215,330	1/4	197,960	1/4	180,589	1/4	163,219	1/4	145,849	1/4	128,479	1/4	111,109	1/4	93,738	1/4	76,368	1/4	58,998	1/4	41,628	1/4	24,257	1/4	6,887	
1/2	1/2	248,152	1/2	232,328	1/2	214,968	1/2	197,598	1/2	180,228	1/2	162,857	1/2	145,487	1/2	128,117	1/2	110,747	1/2	93,376	1/2	76,006	1/2	58,636	1/2	41,266	1/2	23,895	1/2	6,525	
3/4	3/4	247,977	3/4	231,967	3/4	214,606	3/4	197,236	3/4	179,866	3/4	162,495	3/4	145,125	3/4	127,755	3/4	110,385	3/4	93,015	3/4	75,644	3/4	58,274	3/4	40,904	3/4	23,534	3/4	6,163	
1	1	247,802	1	231,606	1	214,244	1	196,874	1	179,504	1	162,134	1	144,763	1	127,393	1	110,023	1	92,653	1	75,282	1	57,912	1	40,542	1	23,172	1	5,801	
1/4	1/4	247,627	1/4	231,245	1/4	213,882	1/4	196,512	1/4	179,142	1/4	161,772	1/4	144,401	1/4	127,031	1/4	109,661	1/4	92,291	1/4	74,921	1/4	57,550	1/4	40,180	1/4	22,810	1/4	5,440	
1/2	1/2	247,399	1/2	230,884	1/2	213,521	1/2	196,150	1/2	178,780	1/2	161,410	1/2	144,040	1/2	126,669	1/2	109,299	1/2	91,929	1/2	74,559	1/2	57,188	1/2	39,818	1/2	22,448	1/2	5,078	
3/4	3/4	247,170	3/4	230,523	3/4	213,159	3/4	195,788	3/4	178,418	3/4	161,048	3/4	143,678	3/4	126,307	3/4	108,937	3/4	91,567	3/4	74,197	3/4	56,827	3/4	39,456	3/4	22,086	3/4	4,716	
2	2	246,941	2	230,162	2	212,797	2	195,427	2	178,056	2	160,686	2	143,316	2	125,946	2	108,575	2	91,205	2	73,835	2	56,465	2	39,094	2	21,724	2	4,354	
1/4	1/4	246,712	1/4	229,800	1/4	212,435	1/4	195,065	1/4	177,694	1/4	160,324	1/4	142,954	1/4	125,584	1/4	108,213	1/4	90,843	1/4	73,473	1/4	56,103	1/4	38,733	1/4	21,362	1/4	3,992	
1/2	1/2	246,429	1/2	229,439	1/2	212,073	1/2	194,703	1/2	177,333	1/2	159,962	1/2	142,592	1/2	125,222	1/2	107,852	1/2	90,481	1/2	73,111	1/2	55,741	1/2	38,371	1/2	21,000	1/2	3,630	
3/4	3/4	246,147	3/4	229,078	3/4	211,711	3/4	194,341	3/4	176,971	3/4	159,600	3/4	142,230	3/4	124,860	3/4	107,490	3/4	90,119	3/4	72,749	3/4	55,379	3/4	38,009	3/4	20,639	3/4	3,268	
3	3	245,864	3	228,717	3	211,349	3	193,979	3	176,609	3	159,239	3	141,868	3	124,498	3	107,128	3	89,758	3	72,387	3	55,017	3	37,647	3	20,277	3	2,906	
1/4	1/4	245,581	1/4	228,356	1/4	210,987	1/4	193,617	1/4	176,247	1/4	158,877	1/4	141,506	1/4	124,136	1/4	106,766	1/4	89,396	1/4	72,025	1/4	54,655	1/4	37,285	1/4	19,915	1/4	2,545	
1/2	1/2	245,247	1/2	227,995	1/2	210,626	1/2	193,255	1/2	175,885	1/2	158,415	1/2	141,145	1/2	123,774	1/2	106,404	1/2	89,034	1/2	71,664	1/2	54,293	1/2	36,923	1/2	19,553	1/2	2,207	
3/4	3/4	244,913	3/4	227,634	3/4	210,264	3/4	192,893	3/4	175,523	3/4	158,153	3/4	140,783	3/4	123,412	3/4	106,042	3/4	88,672	3/4	71,302	3/4	53,931	3/4	36,561	3/4	19,191	3/4	1,869	
4	4	244,579	4	227,272	4	209,902	4	192,532	4	175,161	4	157,791	4	140,421	4	123,051	4	105,680	4	88,310	4	70,940	4	53,570	4	36,199	4	18,829	4	1,609	
1/4	1/4	244,244	1/4	226,910	1/4	209,540	1/4	192,170	1/4	174,799	1/4	157,429	1/4	140,059	1/4	122,689	1/4	105,318	1/4	87,948	1/4	70,578	1/4	53,208	1/4	35,837	1/4	18,467	1/4	1,350	
1/2	1/2	243,883	1/2	226,548	1/2	209,178	1/2	191,808	1/2	174,438	1/2	157,067	1/2	139,697	1/2	122,327	1/2	104,957	1/2	87,586	1/2	70,216	1/2	52,846	1/2	35,476	1/2	18,105	1/2	1,090	
3/4	3/4	243,522	3/4	226,186	3/4	208,816	3/4	191,446	3/4	174,076	3/4	156,705	3/4	139,335	3/4	121,965	3/4	104,595	3/4	87,224	3/4	69,854	3/4	52,484	3/4	35,114	3/4	17,743	3/4		
5	5	243,161	5	225,824	5	208,454	5	191,084	5	173,714	5	156,344	5	138,973	5	124,233	5	104,233	5	86,863	5	69,492	5	52,122	5	34,752	5	17,382	5		
1/4	1/4	242,800	1/4	225,463	1/4	208,092	1/4	190,722	1/4	173,352	1/4	155,982	1/4	138,611	1/4	121,241	1/4	103,871	1/4	86,501	1/4	69,130	1/4	51,760	1/4	34,390	1/4	17,020	1/4		
1/2	1/2	242,439	1/2	225,101	1/2	207,730	1/2	190,360	1/2	172,990	1/2	155,620	1/2	138,250	1/2	120,879	1/2	103,509	1/2	86,139	1/2	68,769	1/2	51,398	1/2	34,028	1/2	16,658	1/2		
3/4	3/4	242,078	3/4	224,739	3/4	207,369	3/4	189,998	3/4	172,628	3/4	155,258	3/4	137,888	3/4	120,517	3/4	103,147	3/4	85,777	3/4	68,407	3/4	51,036	3/4	33,666	3/4	16,296	3/4		
6	6	241,717	6	224,377	6	207,007	6	189,636	6	172,266	6	154,896	6	137,526	6	120,156	6	102,785	6	85,415	6	68,045	6	50,675	6	33,304	6	15,934	6		
1/4	1/4	241,356	1/4	224,015	1/4	206,645	1/4	189,275	1/4	171,904	1/4	154,534	1/4	137,164	1/4	119,794	1/4	102,423	1/4	85,053	1/4	67,683	1/4	50,313	1/4	32,942	1/4	15,572	1/4		
1/2	1/2	240,994	1/2	223,653	1/2	206,283	1/2	188,913	1/2	171,542	1/2	154,172	1/2	136,802	1/2	119,432	1/2	102,062	1/2	84,691	1/2	67,321	1/2	49,951	1/2	32,581	1/2	15,210	1/2		
3/4	3/4	240,633	3/4	223,291	3/4	205,921	3/4	188,551	3/4	171,181	3/4	153,801	3/4	136,440	3/4	119,070	3/4	101,700	3/4	84,329	3/4	66,959	3/4	49,589	3/4	32,219	3/4	14,848	3/4		
7	7	240,272	7	222,929	7	205,559	7	188,189	7	170,819	7	153,448	7	136,078	7	118,708	7	101,338	7	83,968	7	66,597	7	49,227	7	31,857	7	14,487	7		
1/4	1/4	239,911	1/4	222,568	1/4	205,197	1/4	187,827	1/4	170,457	1/4	153,087	1/4	135,716	1/4	118,346	1/4	100,976	1/4	83,606	1/4	66,235	1/4	48,865	1/4	31,495	1/4	14,125	1/4		
1/2	1/2	239,550	1/2	222,206	1/2	204,835	1/2	187,465	1/2	170,095	1/2	152,725	1/2	135,354	1/2	117,984	1/2	100,614	1/2	83,244	1/2	65,874	1/2	48,503	1/2	31,133	1/2	13,763	1/2		
3/4	3/4	239,189	3/4	221,844	3/4	204,474	3/4	187,103	3/4	169,733	3/4	152,363	3/4	134,993	3/4	117,622	3/4	100,252	3/4	82,882	3/4	65,512	3/4	48,141	3/4	30,771	3/4	13,401	3/4		
8	8	238,828	8	221,482	8	204,112	8	186,741	8	169,371	8	152,001	8	134,631	8	117,260	8	99,890	8	82,520	8	65,150	8	47,780	8	30,409	8	13,039	8		
1/4	1/4	238,467	1/4	221,120	1/4	203,750	1/4	186,380	1/4	169,009	1/4	151,639	1/4	134,269	1/4	116,899	1/4	99,528	1/4	82,158	1/4	64,788	1/4	47,418	1/4	30,047	1/4	12,677	1/4		
1/2	1/2	238,106	1/2	220,758	1/2	203,388	1/2	186,018	1/2	168,647	1/2	151,277	1/2	133,907	1/2	116,537	1/2	99,166	1/2	81,796	1/2	64,426	1/2	47,056	1/2	29,686	1/2	12,315	1/2		
3/4	3/4	237,745	3/4	220,396	3/4	203,026	3/4	185,656	3/4	168,286	3/4	150,915	3/4	133,545	3/4	116,175	3/4	98,805	3/4	81,434	3/4	64,064	3/4								



BARGE "HFL-603" HINES FURLONG LINE

OUTAGE TABLE

3 PORT

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

HULL NO. 4598

1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.	
0		0	226,856	0	215,597	0	202,927	0	190,258	0	177,589	0	163,181	0	145,853	0	128,526	0	111,198	0	93,870	0	76,542	0	59,214	0	41,886	0	24,558	0	7,230
1/4		1/4	226,767	1/4	215,333	1/4	202,663	1/4	189,994	1/4	177,325	1/4	162,820	1/4	145,492	1/4	128,165	1/4	110,837	1/4	93,509	1/4	76,181	1/4	58,853	1/4	41,525	1/4	24,197	1/4	6,869
1/2		1/2	226,640	1/2	215,069	1/2	202,399	1/2	189,730	1/2	177,061	1/2	162,459	1/2	145,131	1/2	127,804	1/2	110,476	1/2	93,148	1/2	75,820	1/2	58,492	1/2	41,164	1/2	23,836	1/2	6,508
3/4		3/4	226,514	3/4	214,805	3/4	202,136	3/4	189,466	3/4	176,797	3/4	162,098	3/4	144,770	3/4	127,443	3/4	110,115	3/4	92,787	3/4	75,459	3/4	58,131	3/4	40,803	3/4	23,475	3/4	6,147
1		1	226,384	1	214,541	1	201,872	1	189,202	1	176,533	1	161,737	1	144,409	1	127,082	1	109,754	1	92,426	1	75,098	1	57,770	1	40,442	1	23,114	1	5,786
1/4		1/4	226,256	1/4	214,277	1/4	201,608	1/4	188,938	1/4	176,269	1/4	161,376	1/4	144,048	1/4	126,721	1/4	109,393	1/4	92,065	1/4	74,737	1/4	57,409	1/4	40,081	1/4	22,753	1/4	5,425
1/2		1/2	226,089	1/2	214,013	1/2	201,344	1/2	188,674	1/2	176,005	1/2	161,015	1/2	143,687	1/2	126,360	1/2	109,032	1/2	91,704	1/2	74,376	1/2	57,048	1/2	39,720	1/2	22,392	1/2	5,064
3/4		3/4	225,922	3/4	213,749	3/4	201,080	3/4	188,410	3/4	175,741	3/4	160,654	3/4	143,326	3/4	125,999	3/4	108,671	3/4	91,343	3/4	74,015	3/4	56,687	3/4	39,359	3/4	22,031	3/4	4,703
2		2	225,755	2	213,485	2	200,816	2	188,146	2	175,477	2	160,293	2	142,965	2	125,638	2	108,310	2	90,982	2	73,654	2	56,326	2	38,998	2	21,670	2	4,342
1/4		1/4	225,588	1/4	213,221	1/4	200,552	1/4	187,882	1/4	175,213	1/4	159,932	1/4	142,604	1/4	125,277	1/4	107,949	1/4	90,621	1/4	73,293	1/4	55,965	1/4	38,637	1/4	21,309	1/4	3,981
1/2		1/2	225,381	1/2	212,957	1/2	200,288	1/2	187,618	1/2	174,949	1/2	159,571	1/2	142,243	1/2	124,916	1/2	107,588	1/2	90,260	1/2	72,932	1/2	55,604	1/2	38,276	1/2	20,948	1/2	3,620
3/4		3/4	225,175	3/4	212,693	3/4	200,024	3/4	187,355	3/4	174,685	3/4	159,210	3/4	141,882	3/4	124,555	3/4	107,227	3/4	89,899	3/4	72,571	3/4	55,243	3/4	37,915	3/4	20,587	3/4	3,259
3		3	224,968	3	212,429	3	199,760	3	187,091	3	174,421	3	158,849	3	141,521	3	124,194	3	106,866	3	89,538	3	72,210	3	54,882	3	37,554	3	20,226	3	2,898
1/4		1/4	224,762	1/4	212,165	1/4	199,496	1/4	186,827	1/4	174,157	1/4	158,488	1/4	141,160	1/4	123,833	1/4	106,505	1/4	89,177	1/4	71,849	1/4	54,521	1/4	37,193	1/4	19,865	1/4	2,537
1/2		1/2	224,516	1/2	211,902	1/2	199,232	1/2	186,563	1/2	173,893	1/2	158,127	1/2	140,799	1/2	123,472	1/2	106,144	1/2	88,816	1/2	71,488	1/2	54,160	1/2	36,832	1/2	19,504	1/2	2,201
3/4		3/4	224,271	3/4	211,638	3/4	198,968	3/4	186,299	3/4	173,629	3/4	157,766	3/4	140,438	3/4	123,111	3/4	105,783	3/4	88,455	3/4	71,127	3/4	53,799	3/4	36,471	3/4	19,143	3/4	1,864
4		4	224,025	4	211,374	4	198,704	4	186,035	4	173,365	4	157,405	4	140,077	4	122,750	4	105,422	4	88,094	4	70,766	4	53,438	4	36,110	4	18,782	4	1,605
1/4		1/4	223,779	1/4	211,110	1/4	198,440	1/4	185,771	1/4	173,101	1/4	157,044	1/4	139,716	1/4	122,389	1/4	105,061	1/4	87,733	1/4	70,405	1/4	53,077	1/4	35,749	1/4	18,421	1/4	1,346
1/2		1/2	223,515	1/2	210,846	1/2	198,176	1/2	185,507	1/2	172,831	1/2	156,683	1/2	139,355	1/2	122,028	1/2	104,700	1/2	87,372	1/2	70,044	1/2	52,716	1/2	35,388	1/2	18,060	1/2	* 1,087
3/4		3/4	223,251	3/4	210,582	3/4	197,912	3/4	185,243	3/4	172,560	3/4	156,322	3/4	138,994	3/4	121,667	3/4	104,339	3/4	87,011	3/4	69,683	3/4	52,355	3/4	35,027	3/4	17,699	3/4	
5		5	222,987	5	210,318	5	197,648	5	184,979	5	172,289	5	155,961	5	138,633	5	121,306	5	103,978	5	86,650	5	69,322	5	51,994	5	34,666	5	17,338	5	
1/4		1/4	222,723	1/4	210,054	1/4	197,384	1/4	184,715	1/4	172,006	1/4	155,600	1/4	138,272	1/4	120,945	1/4	103,617	1/4	86,289	1/4	68,961	1/4	51,633	1/4	34,305	1/4	16,977	1/4	
1/2		1/2	222,459	1/2	209,790	1/2	197,121	1/2	184,451	1/2	171,722	1/2	155,239	1/2	137,911	1/2	120,584	1/2	103,256	1/2	85,928	1/2	68,600	1/2	51,272	1/2	33,944	1/2	16,616	1/2	
3/4		3/4	222,195	3/4	209,526	3/4	196,857	3/4	184,187	3/4	171,439	3/4	154,878	3/4	137,550	3/4	120,223	3/4	102,895	3/4	85,567	3/4	68,239	3/4	50,911	3/4	33,583	3/4	16,255	3/4	
6		6	221,931	6	209,262	6	196,593	6	183,923	6	171,156	6	154,517	6	137,189	6	119,862	6	102,534	6	85,206	6	67,878	6	50,550	6	33,222	6	15,894	6	
1/4		1/4	221,668	1/4	208,998	1/4	196,329	1/4	183,659	1/4	170,858	1/4	154,156	1/4	136,828	1/4	119,501	1/4	102,173	1/4	84,845	1/4	67,517	1/4	50,189	1/4	32,861	1/4	15,533	1/4	
1/2		1/2	221,404	1/2	208,734	1/2	196,065	1/2	183,395	1/2	170,560	1/2	153,795	1/2	136,467	1/2	119,140	1/2	101,812	1/2	84,484	1/2	67,156	1/2	49,828	1/2	32,500	1/2	15,172	1/2	
3/4		3/4	221,140	3/4	208,470	3/4	195,801	3/4	183,131	3/4	170,262	3/4	153,434	3/4	136,106	3/4	118,779	3/4	101,451	3/4	84,123	3/4	66,795	3/4	49,467	3/4	32,139	3/4	14,811	3/4	
7		7	220,876	7	208,206	7	195,537	7	182,867	7	169,965	7	153,073	7	135,745	7	118,418	7	101,090	7	83,762	7	66,434	7	49,106	7	31,778	7	14,450	7	
1/4		1/4	220,612	1/4	207,942	1/4	195,273	1/4	182,604	1/4	169,652	1/4	152,712	1/4	135,384	1/4	118,057	1/4	100,729	1/4	83,401	1/4	66,073	1/4	48,745	1/4	31,417	1/4	14,089	1/4	
1/2		1/2	220,348	1/2	207,678	1/2	195,009	1/2	182,340	1/2	169,340	1/2	152,351	1/2	135,023	1/2	117,696	1/2	100,368	1/2	83,040	1/2	65,712	1/2	48,384	1/2	31,056	1/2	13,728	1/2	
3/4		3/4	220,084	3/4	207,414	3/4	194,745	3/4	182,076	3/4	169,028	3/4	151,990	3/4	134,662	3/4	117,335	3/4	100,007	3/4	82,679	3/4	65,351	3/4	48,023	3/4	30,695	3/4	13,367	3/4	
8		8	219,820	8	207,150	8	194,481	8	181,812	8	168,716	8	151,629	8	134,301	8	116,974	8	99,646	8	82,318	8	64,990	8	47,662	8	30,334	8	13,006	8	
1/4		1/4	219,556	1/4	206,887	1/4	194,217	1/4	181,548	1/4	168,389	1/4	151,268	1/4	133,940	1/4	116,613	1/4	99,285	1/4	81,957	1/4	64,629	1/4	47,301	1/4	29,973	1/4	12,645	1/4	
1/2		1/2	219,292	1/2	206,623	1/2	193,953	1/2	181,284	1/2	168,063	1/2	150,907	1/2	133,579	1/2	116,252	1/2	98,924	1/2	81,596	1/2	64,268	1/2	46,940	1/2	29,612	1/2	12,284	1/2	
3/4		3/4	219,028	3/4	206,359	3/4	193,689	3/4	181,020	3/4	167,736	3/4	150,546	3/4	133,218	3/4	115,891	3/4	98,563	3/4	81,235	3/4	63,907	3/4	46,579	3/4	29,251	3/4	11,923	3/4	
9		9	218,764	9	206,095	9	193,425	9	180,756	9	167,410	9	150,185	9	132,857	9	115,530	9	98,202	9	80,874	9	63,546	9	46,218	9	28,890	9	11,562	9	
1/4		1/4	218,500	1/4	205,831	1/4	193,161	1/4	180,492	1/4	167,069	1/4	149,824	1/4	132,496	1/4	115,169	1/4	97,841	1/4	80,513	1/4	63,185	1/4	45,857	1/4	28,529	1/4	11,201	1/4	
1/2	227,362	1/2	218,236	1/2	205,567	1/2	192,897	1/2	180,228	1/2	166,728	1/2	149,463	1/2	132,135	1/2	114,808	1/2	97,480	1/2	80,152	1/2	62,824	1/2	45,496	1/2	28,168	1/2	10,840	1/2	
3/4	227,347	3/4	2																												



BARGE "HFL-603" HINES FURLONG LINE

OUTAGE TABLE

3 STAR

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

HULL NO. 4598

1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.	
0	0	226,944	0	215,861	0	203,191	0	190,522	0	177,852	0	163,542	0	146,214	0	128,887	0	111,559	0	94,231	0	76,903	0	59,575	0	42,247	0	24,919	0	7,591	
1/4	1/4	226,856	1/4	215,997	1/4	202,927	1/4	190,258	1/4	177,589	1/4	163,181	1/4	145,853	1/4	128,526	1/4	111,198	1/4	93,870	1/4	76,542	1/4	59,214	1/4	41,886	1/4	24,558	1/4	7,230	
1/2	1/2	226,767	1/2	215,333	1/2	202,663	1/2	189,994	1/2	177,325	1/2	162,820	1/2	145,492	1/2	128,165	1/2	110,837	1/2	93,509	1/2	76,181	1/2	58,853	1/2	41,525	1/2	24,197	1/2	6,869	
3/4	3/4	226,640	3/4	215,069	3/4	202,399	3/4	189,730	3/4	177,061	3/4	162,459	3/4	145,131	3/4	127,804	3/4	110,476	3/4	93,148	3/4	75,820	3/4	58,492	3/4	41,164	3/4	23,836	3/4	6,508	
1	1	226,512	1	214,805	1	202,136	1	189,466	1	176,797	1	162,098	1	144,770	1	127,443	1	110,115	1	92,787	1	75,459	1	58,131	1	40,803	1	23,475	1	6,147	
1/4	1/4	226,384	1/4	214,541	1/4	201,872	1/4	189,202	1/4	176,533	1/4	161,737	1/4	144,409	1/4	127,082	1/4	109,754	1/4	92,426	1/4	75,098	1/4	57,770	1/4	40,442	1/4	23,114	1/4	5,786	
1/2	1/2	226,256	1/2	214,277	1/2	201,608	1/2	188,938	1/2	176,269	1/2	161,376	1/2	144,048	1/2	126,721	1/2	109,393	1/2	92,065	1/2	74,737	1/2	57,409	1/2	40,081	1/2	22,753	1/2	5,425	
3/4	3/4	226,089	3/4	214,013	3/4	201,344	3/4	188,674	3/4	176,005	3/4	161,015	3/4	143,687	3/4	126,360	3/4	109,032	3/4	91,704	3/4	74,376	3/4	57,048	3/4	39,720	3/4	22,392	3/4	5,064	
2	2	225,922	2	213,749	2	201,080	2	188,410	2	175,741	2	160,654	2	143,326	2	125,999	2	108,671	2	91,343	2	74,015	2	56,687	2	39,359	2	22,031	2	4,703	
1/4	1/4	225,755	1/4	213,485	1/4	200,816	1/4	188,146	1/4	175,477	1/4	160,293	1/4	142,965	1/4	125,638	1/4	108,310	1/4	90,982	1/4	73,654	1/4	56,326	1/4	38,998	1/4	21,670	1/4	4,342	
1/2	1/2	225,588	1/2	213,221	1/2	200,552	1/2	187,882	1/2	175,213	1/2	159,932	1/2	142,604	1/2	125,277	1/2	107,949	1/2	90,621	1/2	73,293	1/2	55,965	1/2	38,637	1/2	21,309	1/2	3,981	
3/4	3/4	225,381	3/4	212,957	3/4	200,288	3/4	187,618	3/4	174,949	3/4	159,571	3/4	142,243	3/4	124,916	3/4	107,588	3/4	90,260	3/4	72,932	3/4	55,604	3/4	38,276	3/4	20,948	3/4	3,620	
3	3	225,175	3	212,693	3	200,024	3	187,355	3	174,685	3	159,210	3	141,882	3	124,555	3	107,227	3	89,999	3	72,571	3	55,243	3	37,915	3	20,587	3	3,259	
1/4	1/4	224,968	1/4	212,429	1/4	199,760	1/4	187,091	1/4	174,421	1/4	158,849	1/4	141,521	1/4	124,194	1/4	106,866	1/4	89,538	1/4	72,210	1/4	54,882	1/4	37,554	1/4	20,226	1/4	2,898	
1/2	1/2	224,762	1/2	212,165	1/2	199,496	1/2	186,827	1/2	174,157	1/2	158,488	1/2	141,160	1/2	123,833	1/2	106,505	1/2	89,177	1/2	71,849	1/2	54,521	1/2	37,193	1/2	19,865	1/2	2,537	
3/4	3/4	224,516	3/4	211,902	3/4	199,232	3/4	186,563	3/4	173,893	3/4	158,127	3/4	140,799	3/4	123,472	3/4	106,144	3/4	88,816	3/4	71,488	3/4	54,160	3/4	36,832	3/4	19,504	3/4	2,201	
4	4	224,271	4	211,638	4	198,968	4	186,299	4	173,629	4	157,766	4	140,438	4	123,111	4	105,783	4	88,455	4	71,127	4	53,799	4	36,471	4	19,143	4	1,864	
1/4	1/4	224,025	1/4	211,374	1/4	198,704	1/4	186,035	1/4	173,365	1/4	157,405	1/4	140,077	1/4	122,750	1/4	105,422	1/4	88,094	1/4	70,766	1/4	53,438	1/4	36,110	1/4	18,782	1/4	1,605	
1/2	1/2	223,779	1/2	211,110	1/2	198,440	1/2	185,771	1/2	173,101	1/2	157,044	1/2	139,716	1/2	122,389	1/2	105,061	1/2	87,733	1/2	70,405	1/2	53,077	1/2	35,749	1/2	18,421	1/2	1,346	
3/4	3/4	223,515	3/4	210,846	3/4	198,176	3/4	185,507	3/4	172,831	3/4	156,683	3/4	139,355	3/4	122,028	3/4	104,700	3/4	87,372	3/4	70,044	3/4	52,716	3/4	35,388	3/4	18,060	3/4	* 1,087	
5	5	223,251	5	210,582	5	197,912	5	185,243	5	172,560	5	156,322	5	138,994	5	121,667	5	104,339	5	87,011	5	69,683	5	52,355	5	35,027	5	17,699	5		
1/4	1/4	222,987	1/4	210,318	1/4	197,648	1/4	184,979	1/4	172,289	1/4	155,961	1/4	138,633	1/4	121,306	1/4	103,978	1/4	86,650	1/4	69,322	1/4	51,994	1/4	34,666	1/4	17,338	1/4		
1/2	1/2	222,723	1/2	210,054	1/2	197,384	1/2	184,715	1/2	172,006	1/2	155,600	1/2	138,272	1/2	120,945	1/2	103,617	1/2	86,289	1/2	68,961	1/2	51,633	1/2	34,305	1/2	16,977	1/2		
3/4	3/4	222,459	3/4	209,790	3/4	197,121	3/4	184,451	3/4	171,722	3/4	155,239	3/4	137,911	3/4	120,584	3/4	103,256	3/4	85,924	3/4	68,600	3/4	51,272	3/4	33,944	3/4	16,616	3/4		
6	6	222,195	6	209,526	6	196,857	6	184,187	6	171,439	6	154,878	6	137,550	6	120,223	6	102,895	6	85,567	6	68,239	6	50,911	6	33,583	6	16,255	6		
1/4	1/4	221,931	1/4	209,262	1/4	196,593	1/4	183,923	1/4	171,156	1/4	154,517	1/4	137,189	1/4	119,862	1/4	102,534	1/4	85,206	1/4	67,878	1/4	50,550	1/4	33,222	1/4	15,894	1/4		
1/2	1/2	221,668	1/2	208,998	1/2	196,329	1/2	183,659	1/2	170,858	1/2	154,156	1/2	136,828	1/2	119,501	1/2	102,173	1/2	84,845	1/2	67,517	1/2	50,189	1/2	32,861	1/2	15,533	1/2		
3/4	3/4	221,404	3/4	208,734	3/4	196,065	3/4	183,395	3/4	170,560	3/4	153,795	3/4	136,467	3/4	119,140	3/4	101,812	3/4	84,484	3/4	67,156	3/4	49,828	3/4	32,500	3/4	15,172	3/4		
7	7	221,140	7	208,470	7	195,801	7	183,131	7	170,262	7	153,434	7	136,106	7	118,779	7	101,451	7	84,123	7	66,795	7	49,467	7	32,139	7	14,811	7		
1/4	1/4	220,876	1/4	208,206	1/4	195,537	1/4	182,867	1/4	169,965	1/4	153,073	1/4	135,745	1/4	118,418	1/4	101,090	1/4	83,762	1/4	66,434	1/4	49,106	1/4	31,778	1/4	14,450	1/4		
1/2	1/2	220,612	1/2	207,942	1/2	195,273	1/2	182,604	1/2	169,652	1/2	152,712	1/2	135,384	1/2	118,057	1/2	100,729	1/2	83,401	1/2	66,073	1/2	48,745	1/2	31,417	1/2	14,089	1/2		
3/4	3/4	220,348	3/4	207,678	3/4	195,009	3/4	182,340	3/4	169,340	3/4	152,351	3/4	135,023	3/4	117,696	3/4	100,368	3/4	83,040	3/4	65,712	3/4	48,384	3/4	31,056	3/4	13,728	3/4		
8	8	220,084	8	207,414	8	194,745	8	182,076	8	169,028	8	151,990	8	134,662	8	117,335	8	100,007	8	82,679	8	65,351	8	48,023	8	30,695	8	13,367	8		
1/4	1/4	219,820	1/4	207,150	1/4	194,481	1/4	181,812	1/4	168,716	1/4	151,629	1/4	134,301	1/4	116,974	1/4	99,646	1/4	82,318	1/4	64,990	1/4	47,662	1/4	30,334	1/4	13,006	1/4		
1/2	1/2	219,556	1/2	206,887	1/2	194,217	1/2	181,548	1/2	168,389	1/2	151,268	1/2	133,940	1/2	116,613	1/2	99,285	1/2	81,957	1/2	64,629	1/2	47,301	1/2	29,973	1/2	12,645	1/2		
3/4	3/4	219,292	3/4	206,623	3/4	193,953	3/4	181,284	3/4	168,063	3/4	150,907	3/4	133,579	3/4	116,252	3/4	98,924	3/4	81,596	3/4	64,268	3/4	46,940	3/4	29,612	3/4	12,284	3/4		
9	9	219,028	9	206,359	9	193,689	9	181,020	9	167,736	9	150,546	9	133,218	9	115,891	9	98,563	9	81,235	9	63,907	9	46,579	9	29,251	9	11,923	9		
1/4	1/4	218,764	1/4	206,095	1/4	193,425	1/4	180,756	1/4	167,410	1/4	150,185	1/4	132,857	1/4	115,530	1/4	98,202	1/4	80,874	1/4	63,546	1/4	46,218	1/4	28,890	1/4	11,562	1/4		
1/2	1/2	218,500	1/2	205,831	1/2	193,161	1/2	180,492	1/2	167,069	1/2	149,824	1/2	132,496	1/2	115,169	1/2	97,841	1/2	80,513	1/2	63,185	1/2	45,857	1/2	28,529	1/2	11,201	1/2		
3/4	3/4	227,362	3/4	218,236	3/4	205,567	3/4	192,897	3/4	180,228	3/4	166,728	3/4	149,463	3/4	132,135	3/4	114,808													



BARGE "HFL-603" HINES FURLONG LINE

INNAGE TABLE

PORT SLOP TANK

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

HULL NO. 4598

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	
1/4	512	1/4	1,684	1/4	2,855	1/4	4,026	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	537	1/2	1,708	1/2	2,880	1/2	4,051	1/2		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		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		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	634	1/2	1,806	1/2	2,977	1/2	4,149	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	659	3/4	1,830	3/4	3,002	3/4	4,173	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	683	7	1,855	7	3,026	7	4,197	7		7		7		7		7		7		7		7		7		7		7	
1/4	708	1/4	1,879	1/4	3,050	1/4	4,222	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	732	1/2	1,903	1/2	3,075	1/2	4,246	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	756	3/4	1,928	3/4	3,099	3/4	4,271	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	781	8	1,952	8	3,124	8	4,295	8		8		8		8		8		8		8		8		8		8		8	
1/4	805	1/4	1,977	1/4	3,148	1/4	4,319	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	830	1/2	2,001	1/2	3,172	1/2	4,344	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	854	3/4	2,025	3/4	3,197	3/4	4,368	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	879	9	2,050	9	3,221	9	4,393	9		9		9		9		9		9		9		9		9		9		9	
1/4	903	1/4	2,074	1/4	3,246	1/4	4,417	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	927	1/2	2,099	1/2	3,270	1/2	4,441	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
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	
1/4	1,001	1/4	2,172	1/4	3,343	1/4	4,515	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,025	1/2	2,196	1/2	3,368	1/2	4,539	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
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	
1/4	1,098	1/4	2,269	1/4	3,441	1/4	4,612	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,123	1/2	2,294	1/2	3,465	1/2	4,637	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,147	3/4	2,318	3/4	3,490	3/4	4,661	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CAPACITIES GIVEN IN U.S. GALLONS

STRAPPED: 12/31/07

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-603" HINES FURLONG LINE

INNAGE TABLE

STAR SLOP TANK

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

HULL NO. 4598

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	24	1/4	1,196	1/4	2,343	1/4	3,514	1/4	4,685	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	
1/4	512	1/4	1,684	1/4	2,855	1/4	4,026	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	537	1/2	1,708	1/2	2,880	1/2	4,051	1/2		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		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		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	634	1/2	1,806	1/2	2,977	1/2	4,149	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	659	3/4	1,830	3/4	3,002	3/4	4,173	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	683	7	1,855	7	3,026	7	4,197	7		7		7		7		7		7		7		7		7		7		7	
1/4	708	1/4	1,879	1/4	3,050	1/4	4,222	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	732	1/2	1,903	1/2	3,075	1/2	4,246	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	756	3/4	1,928	3/4	3,099	3/4	4,271	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	781	8	1,952	8	3,124	8	4,295	8		8		8		8		8		8		8		8		8		8		8	
1/4	805	1/4	1,977	1/4	3,148	1/4	4,319	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	830	1/2	2,001	1/2	3,172	1/2	4,344	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	854	3/4	2,025	3/4	3,197	3/4	4,368	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	879	9	2,050	9	3,221	9	4,393	9		9		9		9		9		9		9		9		9		9		9	
1/4	903	1/4	2,074	1/4	3,246	1/4	4,417	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	927	1/2	2,099	1/2	3,270	1/2	4,441	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
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	
1/4	1,001	1/4	2,172	1/4	3,343	1/4	4,515	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,025	1/2	2,196	1/2	3,368	1/2	4,539	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
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	
1/4	1,098	1/4	2,269	1/4	3,441	1/4	4,612	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,123	1/2	2,294	1/2	3,465	1/2	4,637	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,147	3/4	2,318	3/4	3,490	3/4	4,661	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CAPACITIES GIVEN IN U.S. GALLONS

STRAPPED: 12/31/07

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

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

INSPECTORATE AMERICA CORPORATION



BARGE "HFL-603" HINES FURLONG LINE

OUTAGE TABLE

PORT SLOP TANK

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

HULL NO. 4598

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
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	0	0	0
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	1/4	1/4	1/4
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	1/2	1/2	1/2
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	3/4	3/4	3/4
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	1	1
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	1/4	1/4	1/4
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	1/2	1/2	1/2
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	3/4	3/4	3/4
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	2	2	2
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	1/4	1/4	1/4
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	1/2	1/2	1/2
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	3/4	3/4	3/4
3	3	3	5,149	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	3	3	3
1/4	1/4	1/4	5,125	1/4	3,953	1/4	2,782	1/4	1,611	1/4	439	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	5,100	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	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4
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	4	4	4	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	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4
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	5	5	5	5
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	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4
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	6	6	6	6	6
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	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4
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	7	7	7	7	7
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	1/4	1/4	1/4	1/4
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	1/2	1/2	1/2	1/2
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	3/4	3/4	3/4	3/4
8	8	8	4,661	8	3,490	8	2,318	8	1,147	8	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	4,637	1/4	3,465	1/4	2,294	1/4	1,123	1/4	0	1/4	1/4	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	4,612	1/2	3,441	1/2	2,269	1/2	1,098	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	4,588	3/4	3,416	3/4	2,245	3/4	1,074	3/4	0	3/4	3/4	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	4,563	9	3,392	9	2,221	9	1,049	9	0	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	4,539	1/4	3,368	1/4	2,196	1/4	1,025	1/4	0	1/4	1/4	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	4,515	1/2	3,343	1/2	2,172	1/2	1,001	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	4,490	3/4	3,319	3/4	2,147	3/4	976	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	3/4	3/4	3/4	3/4
10	10	10	4,466	10	3,294	10	2,123	10	952	10	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	4,441	1/4	3,270	1/4	2,099	1/4	927	1/4	0	1/4	1/4	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	4,417	1/2	3,246	1/2	2,074	1/2	903	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	4,393	3/4	3,221	3/4	2,050	3/4	879	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	3/4	3/4	3/4	3/4
11	11	11	4,368	11	3,197	11	2,025	11	854	11	0	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	4,344	1/4	3,172	1/4	2,001	1/4	830	1/4	0	1/4	1/4	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	4,319	1/2	3,148	1/2	1,977	1/2	805	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	4,295	3/4	3,124	3/4	1,952	3/4	781	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	3/4	3/4	3/4	3/4

CAPACITIES GIVEN IN U.S. GALLONS

STRAPPED: 12/31/07

REFERENCE GAUGE HEIGHT : 6'-7 3/4" (RIM OF 2" DIA



BARGE "HFL-603" HINES FURLONG LINE

OUTGAGE TABLE

STAR SLOP TANK

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

HULL NO. 4598

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.	
0	0	0	0	0	4,246	0	3,075	0	1,903	0	732	0	0	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	4,222	1/4	3,050	1/4	1,879	1/4	708	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	4,197	1/2	3,026	1/2	1,855	1/2	683	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	4,173	3/4	3,002	3/4	1,830	3/4	659	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
1	1	1	1	1	4,149	1	2,977	1	1,806	1	634	1	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	4,124	1/4	2,953	1/4	1,781	1/4	610	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	4,100	1/2	2,928	1/2	1,757	1/2	586	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	4,075	3/4	2,904	3/4	1,733	3/4	561	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
2	2	2	2	2	4,051	2	2,880	2	1,708	2	537	2	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	4,026	1/4	2,855	1/4	1,684	1/4	512	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	4,002	1/2	2,831	1/2	1,659	1/2	488	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	5,149	3/4	3,978	3/4	2,806	3/4	464	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
3	3	3	3	3	5,125	3	3,953	3	2,782	3	439	3	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	5,100	1/4	3,929	1/4	2,758	1/4	415	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	5,076	1/2	3,904	1/2	2,733	1/2	390	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	5,051	3/4	3,880	3/4	2,709	3/4	366	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
4	4	4	4	4	5,027	4	3,856	4	2,684	4	1,513	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	5,003	1/4	3,831	1/4	2,660	1/4	1,489	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	4,978	1/2	3,807	1/2	2,636	1/2	1,464	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	4,954	3/4	3,782	3/4	2,611	3/4	1,440	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
5	5	5	5	5	4,929	5	3,758	5	2,587	5	1,415	5	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	4,905	1/4	3,734	1/4	2,562	1/4	1,391	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	4,881	1/2	3,709	1/2	2,538	1/2	1,367	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	4,856	3/4	3,685	3/4	2,514	3/4	1,342	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
6	6	6	6	6	4,832	6	3,660	6	2,489	6	1,318	6	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	4,807	1/4	3,636	1/4	2,465	1/4	1,293	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	4,783	1/2	3,612	1/2	2,440	1/2	1,269	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	4,759	3/4	3,587	3/4	2,416	3/4	1,245	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
7	7	7	7	7	4,734	7	3,563	7	2,391	7	1,220	7	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	4,710	1/4	3,538	1/4	2,367	1/4	1,196	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	4,685	1/2	3,514	1/2	2,343	1/2	1,171	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	4,661	3/4	3,490	3/4	2,318	3/4	1,147	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
8	8	8	8	8	4,637	8	3,465	8	2,294	8	1,123	8	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	4,612	1/4	3,441	1/4	2,269	1/4	1,098	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	4,588	1/2	3,416	1/2	2,245	1/2	1,074	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	4,563	3/4	3,392	3/4	2,221	3/4	1,049	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
9	9	9	9	9	4,539	9	3,368	9	2,196	9	1,025	9	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	4,515	1/4	3,343	1/4	2,172	1/4	1,001	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	4,490	1/2	3,319	1/2	2,147	1/2	976	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	4,466	3/4	3,294	3/4	2,123	3/4	952	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
10	10	10	10	10	4,441	10	3,270	10	2,099	10	927	10	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	4,417	1/4	3,246	1/4	2,074	1/4	903	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	4,393	1/2	3,221	1/2	2,050	1/2	879	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	4,368	3/4	3,197	3/4	2,025	3/4	854	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
11	11	11	11	11	4,344	11	3,172	11	2,001	11	830	11	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	4,319	1/4	3,148	1/4	1,977	1/4	805	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1/2	1/2	1/2	1/2	4,295	1/2	3,124	1/2	1,952	1/2	781	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	3/4	3/4	3/4	3/4	4,271	3/4	3,099	3/4	1,928	3/4	756	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	

CAPACITIES GIVEN IN U.S. GALLONS

STRAPPED: 12/31/07

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

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

INSPECTORATE AMERICA CORPORATION