

Effects of Fishery Alternatives on Kenai LR Kings

Normal Setnet Gear

Escapement

Sport	ESSN hours per week				
	12	18	24	36	42
single hook	13,600	13,200	12,900	12,200	11,900
no bait	16,400	15,900	15,500	14,700	14,300
catch & rel	18,400	17,900	17,400	16,400	16,000

Harvest Parity (sport share)

Sport	ESSN hours per week				
	12	18	24	36	42
single hook	82%	74%	67%	56%	52%
no bait	69%	59%	51%	39%	35%
catch & rel	13%	9%	7%	4%	4%

Sport harvest

Sport	ESSN hours per week				
	12	18	24	36	42
single hook	4,450	4,300	4,150	3,840	3,710
no bait	2,230	2,150	2,070	1,920	1,850
catch & rel	160	150	150	130	130

Setnet harvest

Sport	ESSN hours per week				
	12	18	24	36	42
kings (total)	1,240	1,860	2,480	3,730	4,290
kings (kenai)	1,010	1,510	2,010	3,020	3,480
sockeye	470,000	710,000	950,000	1,420,000	1,640,000

Setnet Gear Reduction (25%)**

Sport	ESSN hours per week				
	12	18	24	36	42
single hook	13,800	13,500	13,200	12,700	12,500
no bait	16,600	16,300	15,900	15,300	15,000
catch & rel	18,700	18,300	17,900	17,200	16,900

Sport	ESSN hours per week				
	12	18	24	36	42
single hook	86%	80%	74%	64%	60%
no bait	75%	66%	59%	47%	43%
catch & rel	17%	12%	9%	6%	5%

Sport	ESSN hours per week				
	12	18	24	36	42
single hook	4,530	4,410	4,300	4,070	3,970
no bait	2,260	2,210	2,150	2,040	1,980
catch & rel	160	150	150	140	140

Sport	ESSN hours per week				
	12	18	24	36	42
kings (total)	930	1,400	1,860	2,790	3,220
kings (kenai)	750	1,130	1,510	2,260	2,610
sockeye	360,000	530,000	710,000	1,070,000	1,230,000

* All projections based on 20,000 kenai king run, normal 275 SN kings / 12 hr day.

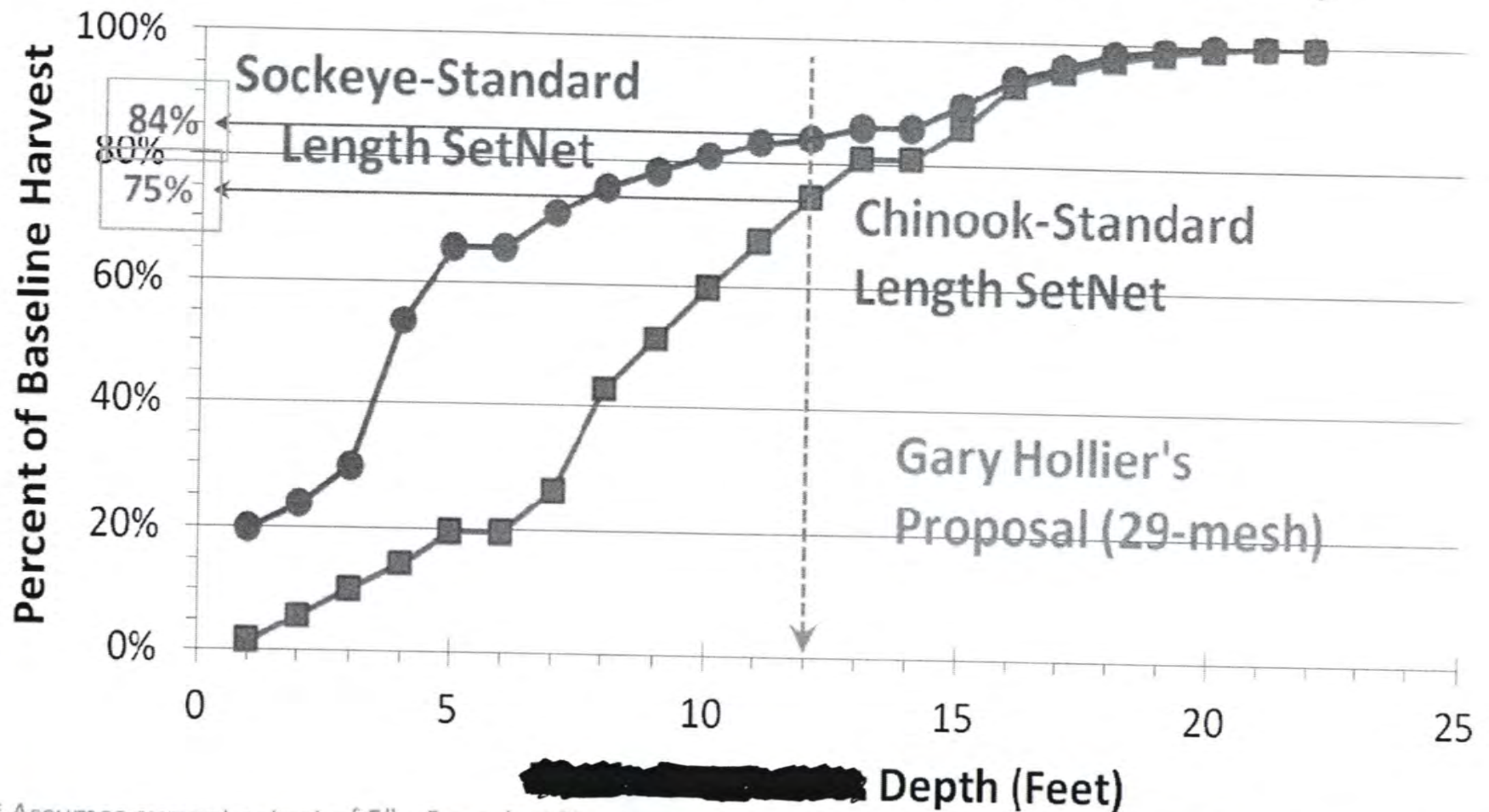
** might be 29" mesh or loss of one net

Submitted by Ray Beamesderfer

w/ reduced gear				
20,000	20,000	20,000	20,000	20,000
400	400	400	400	400
12	18	24	36	41
12	18	24	36	42
0.75	0.75	0.75	0.75	0.75
207	207	207	207	207
168	168	168	168	168
932	1,397	1,863	2,795	3,217
81%	81%	81%	81%	81%
755	1,132	1,510	2,265	2,607
4%	6%	8%	11%	13%
565	554	543	520	510
0.25	0.25	0.25	0.25	0.25
146	142	139	131	128
4,526	4,412	4,299	4,071	3,968
0.5	0.5	0.5	0.5	0.5
73	71	69	66	64
2,263	2,206	2,149	2,036	1,984
0.035	0.035	0.035	0.035	0.035
5	5	5	5	4
158	154	150	142	139
13,754	13,502	13,249	12,744	12,515
16,582	16,262	15,941	15,300	15,009
18,687	18,313	17,940	17,193	16,854
86%	80%	74%	64%	60%
75%	66%	59%	47%	43%
17%	12%	9%	6%	5%
31%	32%	34%	36%	37%
17%	19%	20%	24%	25%
7%	8%	10%	14%	16%
4,854,000	4,854,000	4,854,000	4,854,000	4,854,000
0.00090	0.00090	0.00090	0.00090	0.00090
355,808	533,712	711,616	1,067,424	1,228,855
7%	11%	15%	22%	25%
105,425	105,425	105,425	105,425	105,425

w/ reduced gear				
20,000	20,000	20,000	20,000	20,000
400	400	400	400	400
12	18	24	36	41
12	18	24	36	42
0.5	0.5	0.5	0.5	0.5
138	138	138	138	138
112	112	112	112	112
621	932	1,242	1,863	2,145
81%	81%	81%	81%	81%
503	755	1,006	1,510	1,738
3%	4%	5%	8%	9%
573	565	558	543	536
0.25	0.25	0.25	0.25	0.25
148	146	144	139	136
4,602	4,526	4,450	4,299	4,230
0.5	0.5	0.5	0.5	0.5
74	73	72	69	68
2,301	2,263	2,225	2,149	2,115
0.035	0.035	0.035	0.035	0.035
5	5	5	5	5
161	158	156	150	148
13,922	13,754	13,586	13,249	13,096
16,796	16,582	16,369	15,941	15,747
18,936	18,687	18,438	17,940	17,714
90%	86%	82%	74%	71%
82%	75%	69%	59%	55%
24%	17%	13%	9%	8%
30%	31%	32%	34%	35%
16%	17%	18%	20%	21%
5%	7%	8%	10%	11%
4,854,000	4,854,000	4,854,000	4,854,000	4,854,000
0.00090	0.00090	0.00090	0.00090	0.00090
237,205	355,808	474,410	711,616	819,237
5%	7%	10%	15%	17%
105,425	105,425	105,425	105,425	105,425

Projected Sockeye & Chinook Harvest (% of Baseline)



* Assumes current setnet of 5" x 5 mesh=22' setnet and uses Kintama's depth data for ESSN boundary receivers