

UCIDA

RC 21

**Kodiak 14-Day Sockeye Passage Model, 3% Exploitation Rate**

Day	Week 1							Daily Balance <sup>2</sup>	Expl Rate	Week 2							Daily Balance	Expl Rate	
	1	2	3	4	5	6	7			8	9	10	11	12	13	14			
Entrants	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	7 Days	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	14 Days
Exploitation	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Removals <sup>1</sup>																			
1	450	437	423	411	398	386	375	12,120	-19.2%	364	353	342	332	322	312	303	9,793	-34.7%	
2		450	437	423	411	398	386	12,495	-16.7%	375	364	353	342	332	322	312	10,095	-32.7%	
3			450	437	423	411	398	12,881	-14.1%	386	375	364	353	342	332	322	10,408	-30.6%	
4				450	437	423	411	13,279	-11.5%	398	386	375	364	353	342	332	10,730	-28.5%	
5					450	437	423	13,690	-8.7%	411	398	386	375	364	353	342	11,061	-26.3%	
6						450	437	14,114	-5.9%	423	411	398	386	375	364	353	11,403	-24.0%	
7							450	14,550	-3.0%	437	423	411	398	386	375	364	11,756	-21.6%	
8										450	437	423	411	398	386	375	12,120	-19.2%	
9											450	437	423	411	398	386	12,495	-16.7%	
10												450	437	423	411	398	12,881	-14.1%	
11													450	437	423	411	13,279	-11.5%	
12														450	437	423	13,690	-8.7%	
13															450	437	14,114	-5.9%	
14																450	14,550	-3.0%	

-11.3%

-19.8%

Assumed Entrants	15,000	30,000	45,000	60,000	75,000	90,000	105,000		120,000	135,000	150,000	165,000	180,000	195,000	210,000	
Actual Entrants	15,000	29,550	44,114	58,690	73,279	87,881	102,495		117,120	131,756	146,403	161,061	175,730	190,408	205,095	
Total Harvest	450	887	1,310	1,721	2,119	2,505	2,880	11,872	3,244	3,597	3,939	4,270	4,592	4,905	5,207	29,754
Entrants-Harvest	14,550	28,664	42,804	56,969	71,160	85,376	99,614		113,876	128,160	142,465	156,791	171,137	185,503	199,888	
Expl Rate	-3.0%	-3.0%	-3.0%	-2.9%	-2.9%	-2.9%	-2.8%		-2.8%	-2.7%	-2.7%	-2.7%	-2.6%	-2.6%	-2.5%	

<sup>1</sup> Removals by Day

<sup>2</sup> Balance is the number of surviving fish at the end of either 7 or 14 days