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RC 6

Table 2.–Estimated total run and escapement for Kuskokwim River Chinook salmon, 1976 through 2011.

Year	Estimated Total Run	95% Confidence Bounds Lower	95% Confidence Bounds Upper	CV	Estimated Escapement	95% Confidence Bounds Lower	95% Confidence Bounds Upper	CV
1976	233,967	185,000	300,000	13%	143,420	94,453	209,453	20%
1977	295,559	230,000	385,000	13%	201,852	136,293	291,293	20%
1978	264,325	210,000	330,000	12%	180,853	126,528	246,528	17%
1979	253,970	190,000	350,000	16%	157,668	93,698	253,698	26%
1980	300,573	230,000	410,000	15%	203,605	133,032	313,032	23%
1981	389,791	300,000	515,000	14%	279,392	189,601	404,601	20%
1982	187,354	160,000	225,000	9%	80,353	52,999	117,999	21%
1983	166,333	135,000	210,000	12%	84,188	52,855	127,855	23%
1984	188,238	150,000	250,000	14%	99,062	60,824	160,824	26%
1985	176,292	140,000	235,000	14%	94,365	58,073	153,073	26%
1986	129,168	105,000	160,000	11%	58,556	34,388	89,388	24%
1987	193,465	155,000	270,000	15%	89,222	50,757	165,757	33%
1988	207,818	180,000	250,000	9%	80,055	52,237	122,237	22%
1989	241,857	205,000	295,000	9%	115,704	78,847	168,847	20%
1990	264,802	230,000	320,000	9%	100,614	65,812	155,812	23%
1991	218,705	185,000	270,000	10%	105,589	71,884	156,884	21%
1992	284,846	240,000	350,000	10%	153,573	108,727	218,727	18%
1993	269,305	220,000	340,000	11%	169,816	120,511	240,511	18%
1994	365,246	285,000	485,000	14%	242,616	162,370	362,370	21%
1995	360,513	295,000	450,000	11%	225,595	160,082	315,082	18%
1996	302,603	235,000	405,000	14%	197,092	129,489	299,489	22%
1997	303,189	240,000	395,000	13%	211,247	148,058	303,058	19%
1998	213,873	170,000	275,000	13%	113,627	69,754	174,754	24%
1999	189,939	150,000	240,000	12%	112,082	72,143	162,143	20%
2000	136,618	115,000	165,000	9%	65,180	43,562	93,562	20%
2001	223,707	180,000	280,000	11%	145,232	101,525	201,525	18%
2002	246,296	200,000	300,000	10%	164,635	118,339	218,339	15%
2003	248,789	205,000	295,000	9%	180,687	136,898	226,898	13%
2004	388,136	320,000	465,000	10%	287,178	219,042	364,042	13%
2005	366,601	305,000	435,000	9%	275,598	213,997	343,997	12%
2006	307,662	255,000	375,000	10%	214,004	161,342	281,342	14%
2007	273,060	230,000	320,000	8%	174,943	131,883	221,883	13%
2008	237,074	200,000	285,000	9%	128,978	91,904	176,904	17%
2009	204,747	170,000	250,000	10%	118,478	83,731	163,731	17%
2010	118,507	105,000	140,000	8%	49,073	35,566	70,566	18%
2011	133,059	110,000	160,000	10%	72,097	49,037	99,037	18%

Note: The upper and lower bound represent the 95% confidence interval as estimated from the negative log likelihood profiles for each parameter; CV is estimated as the standard deviation divided by the estimate where standard deviation is estimated by dividing the width of the 95% confidence interval by 2 x 1.96.

FROM: FDS No. 12-49, Estimates of the Historic Run and Escapement for the Chinook Salmon Stock Returning to the Kuskokwim River, 1976-2011. ADF&G

Table 4.–Estimated brood table for Chinook salmon returning to the Kuskokwim River, Alaska, 1976 through 2011.

Brood Year	Escapement	Return by Age Class												Return	Return per Spawner
		0.2	1.1	1.2	2.1	1.3	2.2	1.4	2.3	1.5	2.4	1.6	2.5		
1976	143,420	5 [a]	685 [a]	45,301 [a]	7 [a]	129,032	26	113,427	78	7,813 [a]	270 [a]	80	0	296,724	2.07
1977	201,852	5 [a]	685 [a]	29,297	0	53,519	24	67,261 [b]	350 [a]	8,145	503	101	0	159,889	0.79
1978	180,853	0	913	11,960	0	59,692 [b]	313 [a]	65,360	491	6,014	43	5	0	144,790	0.80
1979	157,668	0	139	45,301 [a]	7 [a]	82,411	152	75,392	58	7,029	50	13 [a]	12 [a]	210,564	1.34
1980	203,605	5 [a]	685 [a]	30,686	32	62,372	170	48,479	68	7,813 [a]	270 [a]	7	0	150,587	0.74
1981	279,392	0	367	31,815	0	61,253	21	72,840 [b]	350 [a]	11,546	70	7	0	178,270	0.64
1982	80,353	0	318	11,508	0	59,307 [b]	313 [a]	69,437	95	7,410	1,045	10	0	149,444	1.86
1983	84,188	0	747	45,301 [a]	7 [a]	97,996	30	119,935	723	6,245	108	37	281	271,408	3.22
1984	99,062	5 [a]	685 [a]	28,540	0	73,040	1,568	73,672	146	5,617	841	8	0	184,122	1.86
1985	94,365	0	86	38,015	0	126,302	46	110,193	1,253	5,788	449	8	90	282,231	2.99
1986	58,556	0	99	55,236	0	72,342	1,939	100,040	253	10,399	745	10	0	241,062	4.12
1987	89,222	0	3016	26,034	0	94,115	942	99,770	768	5,912	1,432	9	0	231,998	2.60
1988	80,055	65	90	76,148	0	80,801	186	119,483	1,744	4,517	251	10	0	283,295	3.54
1989	115,704	0	7088	76,113	0	194,963	1,603	189,281	293	33,004	103	7	0	502,456	4.34
1990	100,614	0	409	39,167	170	103,957	43	110,564	615	3,623	79	8	0	258,635	2.57
1991	105,589	73	670	61,980	0	128,496	324	144,684	108	6,060	81	7	0	342,483	3.24
1992	153,573	0	163	29,341	0	70,580	34	85,749	110	3,787	72	6	0	189,842	1.24
1993	169,816	0	127	83,961	0	105,460	34	117,186	97	5,193	70	0	0	312,128	1.84
1994	242,616	0	97	16,062	0	53,331	236	55,960	95	11,520	2	0	0	137,304	0.57
1995	225,595	0	293	14,894	0	55,957	30	120,178	0	8,318	0	0	0	199,669	0.89
1996	197,092	0	317	19,163	0	67,457	0	97,481	0	9,395	0	0	0	193,813	0.98
1997	211,247	0	131	24,550	0	88,004	63	80,879	0	4,899	0	0	0	198,527	0.94
1998	113,627	0	0	52,214	0	107,444	0	112,376	0	4,917	172	0	0	277,124	2.44
1999	112,082	0	215	50,637	0	118,418	439	122,425	618	14,411	107	0	0	307,272	2.74
2000	65,180	0	434	150,604	0	170,004	10	121,781	161	6,204	814	0	0	450,011	6.90
2001	145,232	0	1398	67,655	0	92,751	54	97,738	294	5,190	198	0	0	265,278	1.83
2002	164,635	0	801	77,048	0	90,865	0	67,652 [a]	1,354	2,330	329	0	0	240,378	1.46
2003	180,687	0	996	76,950	0	115,515	70	86,835	300	3,268	43	61	0	284,036	1.57
2004	287,178	0	196	46,546	0	76,442	842	40,712	0	1,768	43	13 [a]	12 [a]	166,576	0.58
2005	275,598	0	542	37,652	0	49,730	67	42,194	340	7,813 [a]	270 [a]	13 [a]	12 [a]	138,634	0.50
2006	214,004	0	169	24,509	0	51,306	116								
2007	174,943	0	178	36,998	0										
2008	128,978	0	157												
2009	118,478														
2010	49,073														
2011	72,097														

[a] Interpolated as the average return for that age. Information prior to the 1976 brood year not included in the average.

[b] Interpolated using sibling relationships.