

Submitted by the Alaska Department of Fish and Game at the request of Board Member Payton.
May 10, 2017

Total estimated king salmon run and forecast to the Copper River with harvest depicted by user group, 2006 – 2016.

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	10-year Average	2016
Commercial ^a	30,278	39,095	11,437	9,457	9,645	18,500	11,764	8,826	10,207	22,506	17,172	12,348
Commercial retained, not sold ^a	779	1,019	537	876	906	1,282	853	564	768	1,145	873	727
Commercial, donated ^a	3	0	4	0	0	0	0	0	0	0	1	0
Educational drift gillnet permit ^a	11	70	47	50	31	6	6	55	36	50	36	86
Subsistence (Cordova, drift gillnet) ^b	779	1,145	470	212	276	212	237	854	153	167	451	73
Subsistence (Batzulnetas, dip net, fish wheel or spear) ^b	0	0	0	0	0	0	0	5	0	0	1	0
Subsistence (Glennallen Subdistrict, dip net, fish wheel or spear) ^c	2,769	3,276	2,381	2,493	2,099	2,319	2,095	2,148	1,365	2,212	2,316	2,075
Federal Subsistence (Glennallen subdistrict, dip net, fish wheel or spear) ^d	430	569	705	494	326	744	415	374	420	402	488	396
Personal use (Chitina Subdistrict, dip net) ^c	2,663	2,694	1,999	214	700	1,067	567	744	719	1,570	1,294	711
Federal Subsistence (Chitina subdistrict, dip net) ^d	13	26	22	8	18	13	5	18	14	15	15	15
Sport ^e	3,425	5,123	3,618	1,355	2,409	1,753	459	570	931	1,343	2,099	948
Spawning escapement ^f	58,454	34,565	32,485	27,781	16,771	27,993	27,911	28,727	20,709	26,764	30,216	11,864
Total estimated king salmon run size	99,604	87,582	53,705	42,940	33,181	53,889	44,312	42,885	35,322	56,174	54,959	29,243
Total estimated king salmon forecast	NA	NA	86,000	77,000	49,000	38,000	54,000	46,000	62,000	36,000	NA	64,000
Total estimated king salmon commercial harvest forecast	46,800	44,300	47,000	30,000	17,000	9,200	19,800	14,200	22,000	6,000	25,630	21,000

^a Numbers are from fish ticket data.

^b Data are reported harvest from returned state and federal subsistence permits.

^c Data are expanded harvest from returned state and federal subsistence permits.

^d Data are reported harvest, 2002–2004, and expanded harvest, 2005–2011, from returned state and federal subsistence permits.

^e Upriver king salmon sport harvest only; there is no Copper River Delta king salmon sport harvest. The sport harvest numbers are generated from the statewide sportfish harvest survey.

^f Upriver king salmon spawning escapement is estimated using the inriver abundance estimate and subtracting subsistence, personal use, and sport king salmon harvests. Beginning in 1999, inriver abundance estimates were calculated using mark-recapture studies; prior to 1999 inriver abundance estimates were calculated using aerial and foot surveys.