

TABLE B-1. Sacramento River fall Chinook salmon escapement in numbers of fish.^{a/b/}

Year or Average	Upper Sacramento		Lower Sacramento Natural Areas ^{c/}						Natural Area		Sacramento Hatcheries						Hatchery Totals		Sacramento Totals	
	Natural Areas ^{c/d/e/}		Feather River		Yuba River		American River ^{f/}		Totals ^{c/}		Coleman		Feather River		Nimbus		Adults ^{g/}	Jacks	Adults	Jacks
	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks
1981-1985	57,913	22,432	36,252	5,243	12,825	5,146	32,803	5,142	139,793	37,963	11,557	3,734	6,845	884	10,072	2,257	29,832	7,689	169,625	45,651
1986-1990	87,396	17,244	38,709	6,426	9,261	2,444	25,663	3,917	161,029	30,031	11,507	2,288	5,837	1,947	5,685	1,349	23,028	5,584	184,057	35,616
1991-1995	60,151	11,496	32,578	4,355	8,309	2,131	29,804	4,367	130,842	22,350	11,948	2,295	10,537	2,762	6,414	1,447	28,899	6,505	159,741	28,855
1996-2000	153,777	8,383	54,225 ^{h/}	6,806	20,233	4,600	62,613	10,061	290,848	29,851	29,965	3,001	13,342	1,497	7,795	1,407	51,102	5,905	341,949	35,756
2001-2005	197,215 ^{i/}	7,600	88,250	7,064	18,461	2,861	107,941	14,198	411,867	31,723	72,122	6,018	18,300	2,507	12,221	4,799	102,643	13,324	514,510	45,047
2006-2010	40,050	2,884	29,544	1,451	5,913	512	10,483	1,035	85,990	5,883	18,528	2,193	9,411	1,522	5,454	648	33,393	4,363	119,383	10,245
2011	20,466	15,096	35,656	11,633	6,917	2,204	14,815	10,422	77,854	39,355	19,312	23,068	15,925	16,691	6,251	6,429	41,488	46,188	119,342	85,543
2012	67,190	7,125	57,507	6,142	6,009	1,722	35,527	3,296	166,233	18,285	77,318	8,198	33,628	8,533	8,250	1,007	119,196	17,738	285,429	36,023
2013	90,119	6,253	145,650	5,559	13,830	1,050	56,036	2,192	305,635	15,054	67,758	2,103	25,152	2,470	8,301	775	101,211	5,348	406,846	20,402
2014	80,407	7,193	55,480	5,241	9,885	1,819	22,895	3,580	168,667	17,833	17,937	903	18,824	4,596	7,048	1,295	43,809	6,794	212,476	24,627
2015	40,696	3,342	18,069	2,497	3,844	2,789	11,895	3,844	74,504	12,472	13,861	1,863	17,700	3,116	7,403	2,419	38,964	7,398	113,468	19,870
2016	10,563	803	34,054	4,727	2,143	1,422	9,537	4,936	56,297	11,888	8,306	225	17,594	2,962	7,502	1,922	33,402	5,109	89,699	16,997
2017	1,526	4,015	8,120	2,414	1,207	441	6,998	2,665	17,851	9,535	1,316	5,080	16,598	8,448	8,564 ^{j/}	2,015 ^{i/}	26,478	15,543	44,329	25,078
2018	18,317	11,998	39,210	6,616	2,140	933	12,022	9,070	71,689	28,617	8,207	5,991	21,084	7,272	4,486	1,726	33,777	14,989	105,466	43,606
2019	53,706	5,203	43,352	8,611	2,677	671	21,894	5,136	121,629	19,621	13,065	1,204	19,731	7,372	9,342	1,954	42,138	10,530	163,767	30,151
2020	36,447	3,747	40,499	2,470	3,801	393	19,422	3,034	100,169	9,644	12,478	1,259	20,340	1,853	5,104	1,160	37,922	4,272	138,091	13,916
2021	51,822	5,484	9,203	485	3,957	712	7,787	3,445	72,769	10,126	14,556	1,882	10,927	1,458	7,332	3,745	32,815	7,085	105,584	17,211
2022	8,986	647	6,164	413	2,926	245	14,631	1,752	32,707	3,057	8,935	307	11,909	2,368	8,311	1,213	29,155	3,888	61,862	6,945
2023 ^{k/}	6,160	430	60,389	3,500	4,689	137	34,374	2,946	105,612	7,013	4,534	314	16,989	1,810	6,503	2,796	28,026	4,920	133,638	11,933
GOALS	-	-	-	-	-	-	-	-	-	-	12,000 ^{i/}	-	6,000 ^{i/}	-	4,000 ^{i/}	-	22,000 ^{i/}	-	122,000 ^{m/}	-

a/ In 2004, CDFW reviewed and updated 1971-2003 escapement estimates to reflect final project reports.

b/ Chinook spawning during the fall; may include spring run fish in some survey areas.

c/ Most natural area estimates based on carcass surveys with a jack length cut-off.

d/ Upper Sacramento mainstem estimates generally based on carcass surveys with a jack length cut-off, however, jack estimates from Red Bluff Diversion Dam (RBDD) reports have occasionally been used. Early (pre-2001) mainstem Sacramento River adult and jack estimates based on RBDD passage.

e/ Upper Sacramento River escapement includes Sacramento River mainstem; Battle, Clear, Mill, Deer, Butte, Cottonwood, and Cow creeks; and other small tributaries when surveys were conducted. Specific escapement estimates by tributary can be found at www.calfish.org.

f/ American River adult and jack escapement estimates include fish taken at Nimbus Weir, 1979-current. In previous versions of this table, fish taken at Nimbus Weir were included in the Nimbus Fish Hatchery counts.

g/ Total adults in Sacramento hatcheries include Tehama-Colusa Fish Facility escapements, 1971-1985.

h/ Survey methodology was variable for 1998-99; may not be comparable to other surveys.

i/ Change in 2002 estimation methodology due to extremely high Battle Creek escapement.

j/ Nimbus Fish Hatchery opened three weeks early to collect anticipated stray Chinook originating from Coleman National Fish Hatchery. During this time, 2,886 fish were collected.

k/ Preliminary.

l/ Current hatchery-specific goals, not PFMC goals.

m/ Sacramento River fall Chinook S_{MSY} .