

FALL-RUN CHINOOK SALMON SPAWNER POPULATIONS

SACRAMENTO RIVER SYSTEM : Keswick Dam to Red Bluff Diversion Dam (RBDD)

YEAR	Sacramento River			Battle Creek			Clear Creek	Spring Gulch	China Gl.	Olney Cr.	Cotton-wood Cr.	Paynes Cr.	Cow Cr.	Bear Cr.	Ash Cr.	Still-water Cr.	Inks Cr.	Other 3/
	Mainstem		TOTAL	In-river		TOTAL												
	In-river	Transfer to CNFH 1/		CNFH	Dnst. CNFH													
1952	a/	7,000	7,000	11,000	4,000	15,000												
1953	a/	8,000	8,000	12,000	4,000	16,000	1,500				3,000		3,000	800				
1954	a/	6,000	6,000	8,000	4,000	12,000	3,000				1,000		4,500	500				
1955	a/	6,000	6,000	10,000	16,000	26,000	500				800		1,300	200				
1956		84,716	2,641	87,357	7,458	13,650	21,108	2,650	950	385	660		3,200	5				
1957		47,300	7,689	54,989	3,045	2,285	5,330	330			358		700	30	10	140		
1958		99,300	7,853	107,153	14,643	14,500	29,243	1,600		200	30	600	3,300	200				
1959		249,600	7,100	256,700	10,833	19,300	30,233	775	955			3,300	680	10				
1960		210,000	8,940	218,940	9,605	14,200	23,805	900				350	650	50	10			
1961		134,700	5,481	140,181	8,156	11,700	19,856				1,500							
1962		115,500	12,337	127,837	4,857	8,200	13,057	5,400			6,000		1,500					
1963		135,200	3,681	138,881	5,114	12,400	17,514	10,000			3,500							
1964		140,500	2,084	142,584	3,875	12,000	15,875	2,500			3,450		1,000	50				
1965		98,900	2,976	101,876	3,194	6,000	9,194	2,500			900	35	1,000	350				
1966		107,900	3,981	111,881	900	2,400	3,300	900			2,900	300	7,600	400				
1967		78,100	4,390	82,490	3,050	2,160	5,210	370			600		520	30				
1968		95,600	2,829	98,429	3,526	2,950	6,476	800			8,540		7,540	310				
1969		114,600	1,052	115,652	2,626	3,200	5,826	1,240			4,967	300	5,570	560	320	150	230	
1970		62,298	2,844	65,142	3,512	3,320	6,832											5,308
1971		52,247	1,641	53,888	2,004	3,285	5,289											
1972		33,559	399	33,958	2,822	2,030	4,852											
1973		40,424	705	41,129	3,835	4,300	8,135											
1974		45,590	1,429	47,019	1,607	2,294	3,901											
1975		52,248	881	53,129	2,431	2,426	4,857											
1976		43,604	2,149	45,753	2,297	3,147	5,444	1,013			2,427		726	167				
1977		15,784	392	16,176	5,244	5,604	10,848	1,362			1,512							
1978		32,235		32,235	1,882	1,770	3,652	60			1,120							
1979		47,758		47,758	8,729	4,430	13,159											
1980		21,961		21,961	9,503	4,940	14,443											
1981		26,261	2,951	29,212	10,272	6,933	17,205	3,133			3,356							
1982		17,731	235	17,966	19,525	7,270	26,795	785			700	30						
1983		26,226		26,226	8,756	5,227	13,983				1,000	100						
1984		36,898	67	36,965	21,581	8,312	29,893	4,000			500	90	250					
1985		52,120		52,120	16,320	12,792	39,808	700										
1986		68,593	228	68,821	12,481	11,508	31,252											
1987		76,562		76,562	16,256	5,868	24,249											
1988		63,998		63,998	13,615	51,923	1,937	67,475	4,453									
1989		48,968		48,968	11,986	18,829	31,048	2,153										
1990		32,109		32,109	14,635	6,453	21,088	1,011										
1991		20,523		20,523	10,683	6,558	17,241	2,026			676							
1992		23,914		23,914	7,275	5,433	12,708	600			1,585							
1993		33,471		33,471	7,587	11,029	18,616	1,246										
1994		44,729		44,729	18,991	24,274	43,265	2,546										
1995		53,385		53,385	26,677	56,515	83,192	9,298										
1996		71,725		71,725	21,178	52,409	73,587	5,922										
1997		98,765		98,765	50,670	50,744	101,414	8,569										
1998		5,718		5,718	44,351	53,957	98,308	4,259										
1999		133,365		133,365	26,970	92,929	119,899	8,003										
2000		87,793		87,793	21,659	53,447	75,106	6,687										
2001		57,792		57,792	25,082	100,604	125,686	10,865										
2002		45,523		45,523	66,147	397,149	463,296	16,071										
2003		66,476		66,476	88,281	64,764	153,045	9,475										
2004		34,050		34,050	68,232	23,861	92,093	6,365										
[2005]		44,950		44,950	142,283	20,520	162,803	14,824										
[2006]		46,568		46,568	58,017	19,493	77,510	8,422					4,130					

DATA FOR [YEARS IN BRACKETS] ARE PRELIMINARY.
BLANK ENTRY INDICATES THAT TRIBUTARY WAS NOT SURVEYED, OR THAT NO ESTIMATE WAS MADE.

1/ Salmon from the mainstem population that were trapped at Keswick Dam and transported to Coleman National Fish Hatchery (CNFH).

* fish trapped at both Keswick and Anderson-Cottonwood Irrigation District dams.

2/ Salmon that entered CNFH and were released back into Battle Creek upstream of the hatchery.

3/ The data source did not provide a breakdown corresponding to this compilation.

a/ The spawner population was reported only for the entire mainstem from Keswick Dam to Princeton Ferry. Those numbers are only included in the Summary, page 5 of Fall Run.

FALL-RUN CHINOOK SALMON SPAWNER POPULATIONS

SACRAMENTO RIVER SYSTEM : Red Bluff Diversion Dam to Princeton ferry

YEAR	Sacramento River			TCFF	Salt Cr.	Antelope Cr.	Craig Cr.	Dye Cr.	Mill Cr.	Toomes Cr.	Thomes Cr.	Deer Cr.	Coyote Cr.	Stoney Cr.	Singer Cr.	Big		Other 2/	
	Mainstem	In-river	Transfer to TCFF 1/													TOTAL	Chico Cr.		2/
1952	a/								16,000			12,000						3,000	
1953	a/					4,000			10,000			4,000						700	
1954	a/					1,000			7,000			3,000						2,000	
1955	a/					900			3,000									600	
1956	5,800		5,800			327			896	5		120						1,500	
1957	12,200		12,200			838		25	5,316		25	2,195				50		800	
1958	20,600		20,600			400			4,340			1,300						2,200	
1959	9,900		9,900						837			10						1,500	
1960	14,000		14,000			250			940			800							
1961	9,400		9,400						1,689										
1962	8,500		8,500			800			4,384			2,000							
1963	6,800		6,800			300			1,286			1,249							
1964	5,500		5,500			50			450			100							
1965	1,500		1,500			60			150			200							
1966	3,100		3,100			200			500			100							
1967	9,200		9,200			60			500			60							
1968	11,800		11,800			80			750			270							
1969	17,600		17,600			180		20	1,700	40		750							
1970	5,860		5,860			400			690			500							
1971	22,920	4,741	27,661	295		205		100	980			248							
1972	15,350	1,671	17,021	110	30	275		50	631	25		304			15				
1973	16,599	2,491	19,090	886	43	200	90	153	420	40		676			90				
1974	27,127	2,234	29,361	843		440	140		944		60	640	100						
1975	34,200	1,973	36,173	1,994		90	270		1,208		170	328	160						
1976	36,100	1,882	37,982	1,430		60			245	20		315	160						
1977	44,074	3,146	47,220	1,669		660			318	120		220	200						
1978	45,921	2,085	48,006	2,052					300			90							
1979	64,932	53	64,985	2,456					810			780							
1980	28,413	175	28,588	1,865					320		151	210							
1981	40,340		40,340	2,384		407	100		1,020		167	820		393					
1982	22,578		22,578	1,225	20	162	90	25	1,290	15		480							
1983	30,751		30,751	1,267	15	60	60	20	200	15		370					500		
1984	17,960		17,960	1,206	30	260	60	50	5,800	50		680			20		200		
1985	42,028		42,028	4,752					3,840			900					25		
1986	38,544		38,544						574			256							
1987	31,120		31,120						282			64							
1988	18,262		18,262						1,487										
1989	10,101		10,101						1,565			358							
1990	16,175		16,175																
1991	10,108		10,108																
1992	8,315		8,315			0			999										
1993	12,760		12,760						1,975			72							
1994	13,817		13,817						1,081			307							
1995	10,549		10,549																
1996	12,361		12,361																
1997	20,531		20,531						478			1,203							
1998	600		600						546			270							
1999	27,827		27,827																
2000	8,895		8,895																
2001	17,360		17,360																
2002	20,167		20,167																
2003	22,753		22,753						2,611										
2004	9,554		9,554						2,426										
[2005]	12,063		12,063						1,192			300							
[2006]	8,900		8,900						2,426			963							
									1,403			1,905							

DATA FOR [YEARS IN BRACKETS] ARE PRELIMINARY.
BLANK ENTRY INDICATES THAT TRIBUTARY WAS NOT SURVEYED, OR THAT NO ESTIMATE WAS MADE.

- 1/ Salmon from the mainstem population that were trapped at Red Bluff Diversion Dam and transported to Tehama-Colusa Fish Facility (TCFF).
- 2/ Miscellaneous small tributaries; the data source did not provide a breakdown corresponding to this compilation. NOTE: The number of fish listed may include those for tributaries from Keswick Dam to RBDD.
- a/ The spawner population was reported only for the entire mainstem from Keswick Dam to Princeton Ferry. Those numbers are only included in the Summary , page 5 of Fall Run.

FALL-RUN CHINOOK SALMON SPAWNER POPULATIONS

YEAR	SACRAMENTO RIVER SYSTEM : Princeton Ferry to Sacramento										SAN JOAQUIN RIVER SYSTEM : Tributaries										
	Butte Cr.	Feather River			Yuba River	Bear River	Dry Cr.	American River			Natomas Drain.	Cosumnes River	Mokelumne River			Stanislaus River	Tuolumne River	Merced River			
		Hatchery	In-river	TOTAL				Nimbus Hatchery	In-river	TOTAL			MRFI 1/	In-river	TOTAL			MRFF 2/	In-river	TOTAL	
1952																					
1953				28,000	28,000	6,000			25,000	25,000			2,000	2,000	2,000	10,000	10,000				
1954				68,000	68,000	5,000			28,000	28,000			5,000	4,000	4,000	22,000	40,000		4,000	4,000	
1955				86,000	86,000	2,000			8,000	9,000	17,000		2,000	2,000	2,000	7,000	20,000				
1956				18,200	18,200	5,000			1,537	4,900	6,437		1,200	474	474	5,000	5,500				
1957				10,750	10,750	1,205			875	6,832	7,707		142	2,400	2,400	4,090	8,170		380	380	
1958				34,650	34,650	7,900			9,571	17,300	26,871		600	7,579	7,579	5,700	32,500		500	500	
1959				80,150	80,150	10,000			13,243	17,900	31,143			2,106	2,106	4,300	45,900		400	400	
1960				83,300	83,300	20,400			29,166	25,200	54,366		1,400	2,205	2,205	8,300	45,000		350	350	
1961				43,700	43,700	9,200			14,309	11,200	25,509		900	137	137	1,900	500		50	50	
1962				19,050	19,050	34,300			12,653	14,400	27,053		1,500	230	230	315	250		60	60	
1963				33,900	33,900	37,000			3,211	37,810	41,021		2,200	481	481	200	100		20	20	
1964			5,952 a/	32,400	38,352	34,900			20,671	38,500	59,171		800	362	1,848	2,210	3,700	2,100		35	35
1965		0	3,635 a/	19,600	23,235	10,200			13,569	25,000	38,569		600	173	1,127	1,300	2,231	3,200		90	90
1966		0	1,850 a/	19,000	20,850	7,800			8,096	18,600	26,696		500	480	209	689	2,872	5,100		45	45
1967				1,856	1,856	23,500			5,147	18,000	23,147		1,500	250	2,750	3,000	11,885	6,800		600	600
1968				5,944	12,200	18,144			5,233	26,100	31,333		4,400	954	753	1,707	6,385	8,600		550	550
1969				4,378	56,200	60,578			3,065	44,200	47,265			615	2,070	2,685	12,327	32,200		600	600
1970				3,355	58,170	61,525			8,629	28,680	37,309		600	548	4,452	5,000	9,297	18,400	100	4,700	4,800
1971		615		3,541	43,500	47,041			10,110	41,680	51,790		500	925	4,275	5,200	13,621	21,885	200	3,451	3,651
1972		450		3,635	43,200	46,835			7,042	17,459	24,501		1,600	352	750	1,102	4,298	5,100	120	2,528	2,648
1973				8,477	65,100	73,577			12,535	82,242	94,777		900	407	2,193	2,600	1,234	1,989	375	797	1,172
1974		200		5,248	60,518	65,766			8,200	53,596	61,796		285	222	1,200	1,422	750	1,150	1,000	1,000	2,000
1975		1,000		5,265	37,735	43,000			7,412	32,132	39,544		725	399	1,501	1,900	1,200	1,600	700	1,700	2,400
1976		640		5,198	56,802	62,000			5,215	23,159	28,374			18	455	473	600	1,700	700	1,200	1,900
1977				8,784	37,668	46,452			6,868	41,605	48,473			0	250	250	0	450	661 a	350	1,011
1978		20		4,759	33,000	37,759			8,162	12,929	21,091		100	486	600	1,086	5	1,300	100	525	625
1979				4,900	28,415	32,505			10,351	37,315	47,666		150	507	1,000	1,507	110	1,183	227	1,920	2,147
1980				31,605	12,406	35,295			15,543	34,259	49,802		200	639	2,592	3,231	100	559	157	2,849	3,006
1981				8,282	44,738	53,020			20,593	43,462	64,055				4,954	1,000	14,253	924	9,491		10,415
1982				7,563	47,956	55,519			10,898	33,000	43,898			2,677	6,695	9,372	7,126	189	3,074		3,263
1983		1,000		7,699	22,823	30,522			8,900	26,400	35,300		200	4,568	11,293	15,861	500	14,836	1,795	16,453	18,248
1984				9,288	41,769	51,057			12,249	27,447	39,696		1,000		8,298	8,298	11,439	13,689	2,109	27,640	29,749
1985		100		5,811	50,191	56,002			9,093	56,120	65,213		220	223	7,459	7,682	13,473	40,322	1,211	14,841	16,052
1986				8,628	46,843	55,471			5,695	49,372	55,067			1,913	5,254	7,167	6,497	7,404	650	6,789	7,439
1987				10,108	67,738	77,846			6,258	39,885	46,143		0	630	1,000	1,630	6,292	14,751	958	3,168	4,126
1988				6,480	42,556	49,036			8,625	24,889	33,514		100	128	400	528	10,212	5,779	457	4,135	4,592
1989				7,578	40,541	48,119			9,741	19,183	28,924			81	199	280	1,510	1,275	82	345	427
1990				6,126		6,126			4,850	5,389	10,239			68	429	497	480	96	46	36	82
1991				10,717	31,345	42,062			7,128	18,083	25,211			42	368	410	394	77	41	78	119
1992				16,440	24,105	40,545			6,456	4,811	11,267			710	935	1,645	255	132	368	618	986
1993				11,991	30,923	42,914			10,656	28,754	39,410			2,164	993	3,157	677	471	409	1,269	1,678
1994				15,202	38,382	53,584			8,567	31,520	40,087			1,919	1,238	3,157	1,031	506	943	2,646	3,589
1995		445		12,149	59,912	72,061			6,498	80,330	86,828			3,323	2,194	5,517	619	827	602	2,320	2,922
1996		500		8,107	57,170	65,277			7,651	74,745	82,396			3,883	4,038	7,921	168	4,362	1,141	3,291	4,432
1997		800		15,128	50,547	65,675			5,650	52,195	57,845			6,494	3,681	10,175	5,588	7,146	946	2,714	3,660
1998		500		18,889	--	18,889			11,788	54,792	66,580			3,091	4,122	7,213	3,087	8,910	799	3,292	4,091
1999				12,927	--	12,927			9,760	55,339	65,099			3,150	2,183	5,333	4,349	8,232	1,637	3,129	4,766
2000				18,146	114,717	132,863			11,160	99,059	110,219			5,450	1,973	7,423	8,498	17,873	1,946	11,130	13,076
2001		4,430		24,870	178,645	203,515			11,750	135,384	147,134			5,728	2,307	8,035	7,033	8,782	1,663	9,181	10,844
2002		4,550		20,507	105,163	125,670			9,817	124,252	134,069			7,913	2,840	10,753	7,787	7,173	1,840	8,866	10,706
2003		3,310		14,976	89,946	104,922			14,887	163,742	178,629			8,117	2,122	10,239	5,902	2,163	549	2,530	3,079
2004		2,516		21,297	54,171	75,468			26,400	99,230	125,630			10,356	1,588	11,944	4,015	1,984	3,270	1,050	4,320
[2005]		4,255		22,201	49,160	71,361			22,349	62,679	85,028			5,738	10,406	16,144	1,429	500	421	2,500	2,921
[2006]		1,920		11,581	81,700	93,281			8,728	21,000	29,728			4,116	1,723	5,839	3,022	500	150	2,000	2,150

DATA FOR [YEARS IN BRACKETS] ARE PRELIMINARY.
 BLANK ENTRY INDICATES THAT TRIBUTARY WAS NOT SURVEYED, OR THAT NO ESTIMATE WAS MADE.

a/ Fish were transferred to upstream of Oroville dam.

1/ Mokelumne River Hatchery.

2/ Merced River Hatchery.

a/ Consists of fish that were trapped in the San Joaquin River mainstem. Only 389 of these were actually transported to the hatchery spawning channel.

FALL-RUN CHINOOK SALMON SPAWNER POPULATIONS

SACRAMENTO RIVER SYSTEM : SUMMARY

YEAR	Keswick Dam to Red Bluff Diversion Dam				Red Bluff Diversion Dam to Princeton Ferry				Princeton Ferry to Sacramento		
	In-river				In-river				In-river		
	CNFF 1/	Mainstem	Tributaries	TOTAL	TCFF 2/	Mainstem	Tributaries	TOTAL	Hatcheries 3/	Tributaries	TOTAL
1952	11,000	7,000	a/ 4,000	22,000		b/	31,000	c/ 31,000		25,000	25,000
1953	12,000	8,000	a/ 12,300	32,300		b/	18,700	c/ 18,700		62,000	62,000
1954	8,000	6,000	a/ 13,000	27,000		b/	13,000	c/ 13,000		102,000	102,000
1955	10,000	6,000	a/ 18,800	34,800		b/	4,500	c/ 4,500	8,000	97,000	105,000
1956	7,458	87,357	21,500	116,315		5,800	2,848	c/ 8,648	1,537	28,100	29,637
1957	3,045	54,989	3,853	61,887		12,200	9,249	c/ 21,449	875	18,787	19,662
1958	14,643	107,153	20,530	142,326		20,600	8,240	c/ 28,840	9,571	59,850	69,421
1959	10,833	256,700	25,120	292,653		9,900	2,347	c/ 12,247	13,243	108,050	121,293
1960	9,605	218,940	16,160	244,705		14,000	1,990	15,990	29,166	128,900	158,066
1961	8,156	140,181	13,200	161,537		9,400	1,689	11,089	14,309	64,100	78,409
1962	4,857	127,837	21,100	153,794		8,500	7,184	15,684	12,653	67,750	80,403
1963	5,114	138,881	25,900	169,895		6,800	2,835	9,635	3,211	109,170	112,381
1964	3,875	142,584	19,000	165,459		5,500	600	6,100	26,623	106,800	133,423
1965	3,194	101,876	10,785	115,855		1,500	410	1,910	17,204	55,000	72,204
1966	900	111,881	14,500	127,281		3,100	800	3,900	9,946	45,400	55,346
1967	3,050	82,490	3,680	89,220		9,200	620	9,820	7,003	51,600	58,603
1968	3,526	98,429	20,140	122,095		11,800	1,100	12,900	11,177	45,400	56,577
1969	2,626	115,652	16,537	134,815		17,600	2,690	20,290	7,443	105,630	113,073
1970	3,512	65,142	8,628	77,282		5,860	1,590	c/ 7,450	11,984	100,680	112,664
1971	2,004	53,888	3,285	59,177	295	27,661	1,828	29,784	13,651	91,445	105,096
1972	2,822	33,958	2,030	38,810	110	17,021	1,440	18,571	10,677	70,367	81,044
1973	3,835	41,129	4,300	49,264	886	19,090	2,598	22,574	21,012	171,461	192,473
1974	1,607	47,019	2,294	50,920	843	29,361	3,167	33,371	13,448	132,123	145,571
1975	2,431	53,129	2,426	57,986	1,994	36,173	4,220	42,387	12,677	76,508	89,185
1976	2,297	45,753	7,480	55,530	1,430	37,982	2,230	41,642	10,413	84,380	94,793
1977	5,244	16,176	8,478	29,898	1,669	47,220	3,187	52,076	15,652	87,995	103,647
1978	1,882	32,235	2,950	37,067	2,052	48,006	2,442	52,500	12,921	53,365	66,286
1979	8,729	47,758	4,430	60,917	2,456	64,985	4,046	71,487	14,441	78,160	92,601
1980	9,503	21,961	4,940	36,404	1,865	28,588	2,546	32,999	19,233	78,270	97,503
1981	10,272	29,212	13,422	52,906	2,384	40,340	5,291	48,015	28,875	102,225	131,100
1982	19,525	17,966	8,785	46,276	1,225	22,578	3,307	27,110	18,461	120,323	138,784
1983	8,756	26,226	6,327	41,309	1,267	30,751	2,507	34,525	16,599	64,479	81,078
1984	21,581	36,965	13,152	71,698	1,206	17,960	8,356	27,522	21,537	79,181	100,718
1985	16,320	52,120	24,188	92,628	4,752	42,028	9,517	56,297	14,904	119,478	134,382
1986	12,481	68,821	18,771	100,073		38,544	830	39,374	14,323	115,543	129,866
1987	16,256	76,562	7,993	100,811		31,120	346	31,466	16,366	126,141	142,507
1988	13,615	63,998	58,313	135,926		18,262	1,487	19,749	15,105	76,445	91,550
1989	11,986	48,968	21,215	82,169		10,101	1,923	12,024	17,319	67,346	84,665
1990	14,635	32,109	7,464	54,208		16,175		16,175	10,976	5,389	16,365
1991	10,683	20,523	9,260	40,466		10,108		10,108	17,845	63,436	81,281
1992	7,275	23,914	7,618	38,807		8,315	999	9,314	22,896	35,278	58,174
1993	7,587	33,471	12,275	53,333		12,760	2,047	14,807	22,647	66,380	89,027
1994	18,991	44,729	26,820	90,540		13,817	1,388	15,205	23,769	80,792	104,561
1995	26,677	53,385	65,813	145,875		10,549		10,549	18,647	154,924	173,571
1996	21,178	71,725	58,331	151,234		12,361		12,361	15,758	160,315	176,073
1997	50,670	98,765	59,313	208,748		20,531	1,681	22,212	20,778	129,490	150,268
1998	44,351	5,718	58,216	108,285		600	816	1,416	30,677	86,382	117,059
1999	26,970	133,365	100,932	261,267		27,827		27,827	22,687	79,569	102,256
2000	21,659	87,793	60,134	169,586		8,895		8,895	29,306	228,771	258,077
2001	25,082	57,792	111,469	194,343		17,360		17,360	36,620	341,851	378,471
2002	66,147	45,523	413,220	524,890		20,167	2,611	22,778	30,324	258,016	288,340
2003	88,281	66,476	74,239	228,996		22,753	2,426	25,179	29,863	285,314	315,177
2004	68,232	34,050	30,226	132,508		9,554	1,492	11,046	47,697	171,186	218,883
[2005]	142,283	44,950	35,344	222,577		12,063	3,389	15,452	44,550	131,142	175,692
[2006]	58,017	46,568	32,045	136,630		8,900	3,308	12,208	20,309	112,747	133,056

1/ Coleman National Fish Hatchery.

2/ Tehama-Colusa Fish Facility.

3/ Feather River and Nimbus Hatcheries.

a/ Salmon from the mainstem population that were trapped at Keswick Dam and transported to CNFF. For these years, the mainstem population was reported only for the entire reach from Keswick to Princeton.

b/ The spawner population was reported only for the entire mainstem from Keswick Dam to Princeton Ferry.

c/ The number may include fish for tributaries from Keswick Dam to RBDD.

FALL-RUN CHINOOK SALMON SPAWNER POPULATIONS

CENTRAL VALLEY RIVER SYSTEMS : SUMMARY

YEAR	Sacramento River System				San Joaquin River System			Sacramento and San Joaquin River Systems			YEAR
	In-river				In-river			Hatcheries	In-river	TOTAL	
	Hatcheries 1/	Mainstem	Tributaries	TOTAL	Hatcheries 2/	Tributaries	TOTAL				
1952	11,000	267,000	60,000	338,000				11,000	349,000	360,000	1952
1953	12,000	408,000	93,000	513,000				12,000	585,000	597,000	1953
1954	8,000	276,000	128,000	412,000				8,000	479,000	487,000	1954
1955	18,000	231,000	120,300	369,300				18,000	382,300	400,300	1955
1956	8,995	93,157	52,448	154,600				8,995	157,779	166,774	1956
1957	3,920	67,189	31,889	102,998				3,920	114,260	118,180	1957
1958	24,214	127,753	88,620	240,587				24,214	263,252	287,466	1958
1959	24,076	266,600	135,517	426,193				24,076	454,823	478,899	1959
1960	38,771	232,940	147,050	418,761				38,771	437,245	476,016	1960
1961	22,465	149,581	78,989	251,035				22,465	231,157	253,622	1961
1962	17,510	136,337	96,034	249,881				17,510	234,126	251,636	1962
1963	8,325	145,681	137,905	291,911				8,325	285,887	294,212	1963
1964	30,498	148,084	126,400	304,982	362	9,883	10,245	30,860	284,367	315,227	1964
1965	20,398	103,376	66,195	189,969	173	7,448	7,621	20,571	177,019	197,590	1965
1966	10,846	114,981	60,700	186,527	480	8,826	9,306	11,326	184,507	195,833	1966
1967	10,053	91,690	55,900	157,643	250	22,535	22,785	10,303	170,125	180,428	1967
1968	14,703	110,229	66,640	191,572	954	17,788	18,742	15,657	194,657	210,314	1968
1969	10,069	133,252	124,857	268,178	615	51,597	52,212	10,684	309,706	320,390	1969
1970	15,496	71,002	110,898	197,396	648	37,449	38,097	16,144	219,349	235,493	1970
1971	15,950	81,549	96,558	194,057	1,125	43,732	44,857	17,075	221,839	238,914	1971
1972	13,609	50,979	73,837	138,425	472	14,276	14,748	14,081	139,092	153,173	1972
1973	25,733	60,219	178,359	264,311	782	7,113	7,895	26,515	245,691	272,206	1973
1974	15,898	76,380	137,584	229,862	1,222	4,385	5,607	17,120	218,349	235,469	1974
1975	17,102	89,302	83,154	189,558	1,099	6,726	7,825	18,201	179,182	197,383	1975
1976	14,140	83,735	94,090	191,965	718	3,955	4,673	14,858	181,780	196,638	1976
1977	22,565	63,396	99,660	185,621	661	1,050	1,711	23,226	164,106	187,332	1977
1978	16,855	80,241	58,757	155,853	586	2,575	3,161	17,441	141,573	159,014	1978
1979	25,626	112,743	86,636	225,005	734	4,363	5,097	26,360	203,742	230,102	1979
1980	30,601	50,549	85,756	166,906	796	6,300	7,096	31,397	142,605	174,002	1980
1981	41,531	69,552	120,938	232,021	924	29,698	30,622	42,455	220,188	262,643	1981
1982	39,211	40,544	132,415	212,170	2,866	16,895	19,761	42,077	189,854	231,931	1982
1983	26,622	56,977	73,313	156,912	6,363	43,282	49,645	32,985	173,572	206,557	1983
1984	44,324	54,925	100,689	199,938	2,109	62,066	64,175	46,433	217,680	264,113	1984
1985	35,976	94,148	153,183	283,307	1,434	76,315	77,749	37,410	323,646	361,056	1985
1986	26,804	107,365	135,144	269,313	2,563	25,944	28,507	29,367	268,453	297,820	1986
1987	32,622	107,682	134,480	274,784	1,588	25,211	26,799	34,210	267,373	301,583	1987
1988	28,720	82,260	136,245	247,225	585	20,626	21,211	29,305	239,131	268,436	1988
1989	29,305	59,069	90,484	178,858	163	3,329	3,492	29,468	152,882	182,350	1989
1990	25,611	48,284	12,853	86,748	114	1,041	1,155	25,725	62,178	87,903	1990
1991	28,528	30,631	72,696	131,855	83	917	1,000	28,611	104,244	132,855	1991
1992	30,171	32,229	43,895	106,295	1,078	1,940	3,018	31,249	78,064	109,313	1992
1993	30,234	46,231	80,702	157,167	2,573	3,410	5,983	32,807	130,343	163,150	1993
1994	42,760	58,546	109,000	210,306	2,862	5,421	8,283	45,622	172,967	218,589	1994
1995	45,324	63,934	220,737	329,995	3,925	5,960	9,885	49,249	290,631	339,880	1995
1996	36,936	84,086	218,646	339,668	5,024	11,859	16,883	41,960	314,591	356,551	1996
1997	71,448	119,296	190,484	381,228	7,440	19,129	26,569	78,888	328,909	407,797	1997
1998	75,028	6,318	145,414	226,760	3,890	19,711	23,601	78,918	171,443	250,361	1998
1999	49,657	161,192	180,501	391,350	4,787	17,893	22,680	54,444	359,586	414,030	1999
2000	50,965	96,688	288,905	436,558	7,396	39,474	46,870	58,361	425,067	483,428	2000
2001	61,702	75,152	453,320	590,174	7,391	27,303	34,694	69,093	555,775	624,868	2001
2002	96,471	65,690	673,847	836,008	9,753	26,666	36,419	106,224	766,203	872,427	2002
2003	118,144	89,229	361,979	569,352	8,666	12,717	21,383	126,810	463,925	590,735	2003
2004	115,929	43,604	202,904	362,437	13,626	8,637	22,263	129,555	255,145	384,700	2004
[2005]	186,833	57,013	169,875	413,721	6,159	14,835	20,994	192,992	241,723	434,715	[2005]
[2006]	78,326	55,468	148,100	281,894	4,266	7,245	11,511	82,592	210,813	293,405	[2006]

1/ Coleman National Fish Hatchery, Tehama-Clousa Fish Facility, and Feather River and Nimbus Hatcheries.

2/ Mokelumne River Fish Installation and Merced River Fish Facility.

LATE-FALL-RUN CHINOOK SALMON POPULATIONS: Sacramento River System

YEAR	Sacramento River Mainstem						Battle Creek			Clear Creek	Cotton- wood Cr.	Salt Cr.	Craig Cr.	Feather River			TOTAL for RUN	YEAR
	Upstream of RBDD 1/			Downstream of RBDD			In-river	CNFH	TOTAL					In-river	Hatchery	TOTAL		
	In-river 2/	CNFF 3/	TOTAL	TCFF 4/	In-river	TOTAL												
1971	16,741	--	16,741												16,741	1971		
1972	31,559	--	31,559												31,559	1972		
1973	21,781	--	21,781												21,781	1973		
1974	5,446	637	6,083												6,083	1974		
1975	18,324	937	19,261												19,261	1975		
1976	15,814	94	15,908												15,908	1976		
1977	8,678	532 *	9,210				914	914			245				10,369	1977		
1978	11,767	712	12,479												12,479	1978		
1979	9,572	712	10,284												10,284	1979		
1980	8,347	746	9,093												9,093	1980		
1981	6,423	148	6,571				147	147							6,718	1981		
1982	3,734	247	3,981				43	43	875				1,598	402	2,000	6,899	1982	
1983	14,437	547 **	14,984				105	105								15,089	1983	
1984	6,205	335 **	6,540		3,098	3,098			200	400		150				10,388	1984	
1985	7,929	207	8,136		1,863	1,863	181	181								10,180	1985	
1986	7,229	591	7,820		284	284	197	197								8,301	1986	
1987	15,768	454	16,222				349	349								16,571	1987	
1988	12,103	404	12,507		658	658	53	53								13,218	1988	
1989	11,990	817	12,807		0	0	65	65								12,872	1989	
1990	6,792	100	6,892		1,094	1,094	92	92								8,078	1990	
1991	6,493	118	6,611		1,491	1,491	161	161								8,263	1991	
1992	8,958	398	9,356		431	431	344	344								10,131	1992	
1993	339	400	739				528	528								1,267	1993	
1994	137	154	291				598	598								889	1994	
1995	--	166	166				323	323								489	1995	
1996	--	48	48				1,337	1,337								1,385	1996	
1997	--	--	--				4,578	4,578								4,578	1997	
1998	38,239 a/		38,239		1,101	1,101	3,079	3,079								42,419	1998	
1999	8,683 b/		8,683				7,075	7,075								15,758	1999	
2000	8,632 a/		8,632		119	119	4,194	4,194								12,945	2000	
2001	18,351 a/		18,351		925	925	3,327	3,327								22,603	2001	
2002	36,004 a/		36,004		0	0	2,669	2,669								38,673	2002	
2003	5,346 a/		5,346		148	148	2,797	2,797								8,291	2003	
2004	8,824 a/		8,824		0	0	5,040	5,040								13,864	2004	
[2005]	9,493	77	9,570		1,031	1,031	6,434	6,434								17,035	[2005]	
[2006]	14,168 a/		14,168		3,855	3,855	5,111	5,111								23,134	[2006]	

DATA FOR [YEARS IN BRACKETS] ARE PRELIMINARY.

BLANK ENTRY INDICATES THAT TRIBUTARY WAS NOT SURVEYED, OR THAT NO ESTIMATE WAS MADE.

1/ Red Bluff Diversion Dam.

2/ Includes numbers of fish for tributaries where estimates were not made.

3/ Transferred to Coleman National Fish Hatchery from Keswick Dam (unless otherwise noted).

* Fish transferred from RBDD.

** Total fish transferred from both Keswick Dam and RBDD.

4/ Transferred to Tehama-Colusa Fish Facility from RBDD.

a/ Mainstem in-river estimates based on carcass surveys, all others based on Red Bluff Diversion Dam counts.

b/ Estimate only for the area covered in the carcass survey. Other estimates based on carcass surveys were expanded using aerial redd counts.

WINTER-RUN CHINOOK SALMON: Sacramento-San Joaquin River System

SACRAMENTO RIVER SYSTEM							SAN JOAQUIN RIVER SYSTEM	TOTAL RUN FOR CENTRAL VALLEY	YEAR	SACR. RIVER MAINSTEM WINTER-RUN SALMON DATA ^{1/}				
Mainstem Sacramento River			Battle Creek ^{4/}	Total RUN for System ^{5/}	Calaveras River	YEAR				YEAR	Number of Fish Passing RBDD ^{3/}	Number of Fish Harvested ^{4/}	Redd Distribution ^{2/}	
Upstream of RBDD ^{2/}	Downstream of RBDD ^{3/}	Total In-river											Coleman NFH	Livingston Stone NFH
1970	40,409		40,409			40,409		40,409	1970	1970	40,409			
1971	53,089		53,089			53,089		53,089	1971	1971	53,089			
1972	35,929		35,929			37,133		37,133	1972	1972	37,133	1,204		
1973	22,651		22,651			24,079		24,079	1973	1973	24,079	1,428		
1974	21,389		21,389			21,897		21,897	1974	1974	21,897	508		
1975	22,579		22,579			23,430	500	23,930	1975	1975	23,430	851		
1976	33,029		33,029			35,096	500	35,596	1976	1976	35,096	2,067		
1977	16,470		16,470			17,214		17,214	1977	1977	17,214	744		
1978	24,735		24,735			24,862	150	25,012	1978	1978	24,862	127		
1979	2,339		2,339			2,364		2,364	1979	1979	2,364	25		
1980	1,142		1,142			1,156		1,156	1980	1980	1,156	14		
1981	19,795	2,756	22,551			22,797		22,797	1981	1981	20,041	246	87.8%	12.2%
1982	1,233	39	1,272			1,281		1,281	1982	1982	1,242	9	97.0%	3.0%
1983	1,827		1,827			1,831		1,831	1983	1983	1,831	4		
1984	2,662		2,662			2,663	100	2,763	1984	1984	2,663	1		
1985	3,686	1,445	5,131			5,407		5,407	1985	1985	3,962	276	71.8%	28.2%
1986	2,566		2,566			2,596		2,596	1986	1986	2,596	30		
1987	2,068	97	2,165			2,185		2,185	1987	1987	2,088	20	95.5%	4.5%
1988	2,129	728	2,857			2,878		2,878	1988	1988	2,150	21	74.5%	25.5%
1989	635	14	649	42		696		696	1989	1989	682	5	97.9%	2.1%
1990	384	28	411	14		429		429	1990	1990	402	4	93.3%	6.7%
1991	177	0	177	33		211		211	1991	1991	211	1	100.0%	0.0%
1992	1,159	44	1,203	34		1,240		1,240	1992	1992	1,196	3	96.4%	3.6%
1993	369	9	378			387		387	1993	1993	378	9	97.7%	2.3%
1994	144	0	144	42		186		186	1994	1994	186	0	100.0%	0.0%
1995	1,159	7	1,166	43		1,297		1,297	1995	1995	1,290	0	99.4%	0.6%
1996	1,012	0	1,012			1,337		1,337	1996	1996	1,337	0	100.0%	0.0%
1997	836	0	836			880		880	1997	1997	880	0	100.0%	0.0%
1998	2,831	72	2,903		99	3,002		3,002	1998	1998	2,930	0	97.5%	2.5%
1999	3,264	0	3,264		24	3,288		3,288	1999	1999	3,288	0	100.0%	0.0%
2000	1,263	0	1,263		89	1,352		1,352	2000	2000	1,352	0	100.0%	0.0%
2001	8,085	35	8,120		104	8,224		8,224	2001	2001	5,499	0	99.6%	0.4%
2002	7,348	12	7,360		104	7,464		7,464	2002	2002	9,157	0	99.8%	0.2%
2003	8,105	28	8,133		85	8,218		8,218	2003	2003	9,724	0	99.7%	0.3%
2004	7,784	0	7,784		85	7,869		7,869	2004	2004	7,192	0	100.0%	0.0%
[2005]	15,730	0	15,730		109	15,839	0	15,839	[2005]	[2005]	5,299	0	100.0%	0.0%
[2006]	17,153	52	17,205	5	93	17,334	31	17,334	[2006]	[2006]	7,415	0	99.7%	0.3%

DATA FOR [YEARS IN BRACKETS] ARE PRELIMINARY.

BLANK ENTRY INDICATES THAT MONITORING WAS NOT CONDUCTED, OR THAT NO ESTIMATE WAS MADE.

1/ Numbers of fish transferred from Red Bluff Diversion Dam (RBDD) and Keswick Dam to hatcheries.
 2/ Upstream mainstem in-river estimates prior to 2001 were based on RBDD counts, subsequent estimates based on carcass surveys. Those numbers using
 3/ Downstream mainstem numbers based on upstream estimates and redd distribution.
 4/ Fish which passed upstream of Coleman NFH weir.
 5/ Consists of those fish for in-river mainstem and tributaries, at hatcheries, and harvested by the sport fishery.

1/ Data used (when appropriate) to determine estimates for mainstem in-river salmon.
 2/ Based on aerial surveys of mainstem.
 3/ Estimated from fish counts at Red Bluff Diversion Dam (RBDD).
 4/ Estimated fish caught in the sport fishery upstream of RBDD. After 1995, it was assumed that no fish were harvested due to an angling closure for winter-

SPRING-RUN CHINOOK SALMON POPULATIONS: Sacramento-San Joaquin River System

YEAR	Sacramento River Mainstem			Battle Creek	Clear Creek	Cotton-wood Cr.	Antelope Cr.	Mill Cr.	Thomes Cr.	Deer Cr.	Big Chico Cr.	Butte Cr.	Feather River			Yuba R.	Calaveras R.	TOTAL for RUN	YEAR
	Upstr. of RBDD 1/	Dnstr. of RBDD	TOTAL										In-river	Hatchery	TOTAL				
1960	a/							2,368				8,700	a/					11,068	1960
1961	a/							1,245				3,082						4,327	1961
1962	a/							1,692			200	1,750						3,642	1962
1963	a/							1,315		2,302	500	6,100	600			600		10,817	1963
1964	a/							1,539		2,874	100	600	2,908	b/		2,908		8,021	1964
1965	a/										50	1,000	738	b/		738		1,788	1965
1966	a/										50	80	297	b/		297		427	1966
1967	a/										150	180			146	146		476	1967
1968	a/										175	280			208	208		663	1968
1969	20,000		20,000								200	830			348	348		21,378	1969
1970	3,652		3,652					1,500		2,000		285		235	235			7,672	1970
1971	5,830		5,830					1,000		1,500	0	470		481	481			9,281	1971
1972	7,038		7,038					500		400		150		256	256		500	8,844	1972
1973	7,175		7,175					1,700		2,000	50	300		205	205			11,430	1973
1974	3,800		3,800			3		1,500		3,500	100	150		198	198			9,251	1974
1975	10,234		10,234			3		3,500		8,500		650		691	691			23,578	1975
1976	25,095		25,095									46		699	699			25,840	1976
1977	11,545		11,545					460			340	100		185	185			12,730	1977
1978	5,669		5,669					925		1,200		128	2	202	204			8,126	1978
1979	2,856		2,856									10		250	250			3,116	1979
1980	9,363	6 c/	9,369					500		1,500		226	400	269	669	200		12,464	1980
1981	20,655		20,655									250	531	469	1,000	200		22,105	1981
1982	23,156		23,156					700		1,500		534	90	1,910	2,000			27,890	1982
1983	3,854	1,793	5,647				59			500		50		1,702	1,702			7,958	1983
1984	7,823		7,823					191			0	23		1,562	1,562			9,599	1984
1985	10,200	2,713	12,913					121		301	0	254		1,632	1,632			15,221	1985
1986	15,948	6,110	22,058					291		543		1,371		1,433	1,433			25,696	1986
1987	10,911	1,460	12,371					90		200		14		1,213	1,213			13,888	1987
1988	9,601	266	9,867					572		371		1,290		6,833	6,833			18,933	1988
1989	5,131	0	5,131	7		0		563		84		1,300		5,078	5,078			12,163	1989
1990	3,896	302	4,198	2				844				250		1,893	1,893			7,683	1990
1991	766	59	825			1		319		479				4,303	4,303			5,927	1991
1992	371	0	371				0	237		209		730		1,497	1,497			3,044	1992
1993	391	0	391			1	3	61		259	38	650		4,672	4,672			6,075	1993
1994	862	0	862			0	0	723		485	2	474		3,641	3,641			6,187	1994
1995	349	77	426	66		2	8	320		1,295	200	7,500		5,414	5,414			15,238	1995
1996	378		378	34			6	1	253	614	2	1,413		6,381	6,381			9,082	1996
1997	126	2	128				0	202		466	2	635		3,653	3,653			5,086	1997
1998	1,115	0	1,115			47	477	154	424	1	1,879	369	20,259	6,746	6,746			31,471	1998
1999				70			102	40	560		1,591	27	3,679	3,731	3,731			9,800	1999
2000	71	0	71	40	19	122	9	544		637	27	4,118		3,657	3,657			9,244	2000
2001	711	25	736			245	8	1,100		1,622	39	9,605		4,135	4,135	108		17,598	2001
2002	273	0	273	144	66	125	46	1,594		2,185	0	8,785		4,189	4,189			17,409	2002
2003		0	0	94	25	73	46	1,426		2,759	81	4,398		8,662	8,662			17,564	2003
2004	394	0	394	66	98	17	3	998		804	0	7,390		4,212	4,212			13,982	2004
[2005]	0	30	30	80	69	47	82	1,150		2,239	37	10,625		1,771	1,771			16,130	[2005]
[2006]	0	0	0	177	70	55	102	1,002		2,432	299	4,579		1,952	1,952			10,668	[2006]

DATA FOR [YEARS IN BRACKETS] ARE PRELIMINARY.

BLANK ENTRY INDICATES THAT TRIBUTARY WAS NOT SURVEYED, OR THAT NO ESTIMATE WAS MADE.

1/ Red Bluff Diversion Dam.

- a/ Estimated numbers are included with fall-run fish.
- b/ Fish were transferred to upstream of Oroville Dam.
- c/ Only fish taken into Tehama-Colusa Fish Facility.

Date:

Comment:

Date:	Comment:
20-Aug-2007	Data revised for 2005.
5-Feb-2007	Data revised for Spring run, 2005 Cottonwood Cr. Data revised for Winter run, 2006 Battle Cr. & CNFH.
4-Feb-2007	Preliminary data for 2006 added.
1-Dec-2006	Data for 2004 finalized and updated.
23-Oct-2006	Preliminary data added for 2006 Spring run in Antelope, Deer, and Mill creeks. Data revised for 1997 and 2001 Spring run in Mill Creek.
15-Sep-2006	Data revised for 2005 Spring-run, Sacramento River mainstem.
15-Aug-2006	Data for 2006 Butte Creek spring run added.
24-Jul-2006	Data for 2006 Big Chico Creek spring run added.
21-Jun-2006	Data for 2003 finalized and updated.
29-Mar-2006	Data revised for Winter run, Sacramento River mainstem upstream of RBDD; 2004.
31-Jan-2006	Preliminary data for 2005 added. Data revised for Mokelumne River Hatchery fall run in 2001, 2002, & 2004. Data revised for feather River Hatchery spring run in 1997, & 1999-2001.
15-Dec-2005	Data for 2002 finalized and updated.
1-Dec-2005	Winter-run spreadsheet format change.
30-Sep-2005	Data revised for Winter run, Sacramento River mainstem; 1974,1981,1985-1992.
16-Jun-2005	Data for 2001 finalized and updated.
14-May-2005	Data revised for: Fall run, Sacramento R. mainstem, 2002 & 2004. Late-fall run, Sac. R. mainstem & Battle Cr., 2000-2004. Winter run, Upper Sac. R. mainstem, 2002 & 2004. Spring run - Sac R. mainstem, 2000-2001; Battle & Clear cr., 2000; Cottonwood Cr., 1974,1975,& 2004; Mill Cr., 2004; and Thomes Cr., 2002.
15-Mar-2005	Data revised for Mokelumne River 1989-2004 fall runs.
10-Feb-2005	Data revised for Feather River 2003 & 2004 fall run, and Sacramento River mainstem 2004winter run.
3-Feb-2005	Correction of 2004 spring-run data.
31-Jan-2005	Preliminary data for 2004 added.
11-Nov-2004	Data for 2000 finalized and updated.
26-Apr-2004	Data for 1999 finalized and updated.
5-Apr-2004	Data revised for 2003 American River fall run.
11-Feb-2004	Data revised for 1986-1993, 1998, 2000, & 2003 Sacramento River mainstem winter run.
5-Feb-2004	Preliminary data for 2003 added.
16-Dec-2003	1986-2000 winter-run data revised.
1-Nov-2003	2001 & 2002 winter-run data revised.

16-Sep-2003	1981 Clear Creek fall-run data revised. 2002 Feather River fall-run data revised
13-Aug-2003	Data for 1998 finalized and updated.
5-May-2003	Data revised for 1977 Merced River Hatchery fall run.
1-May-2003	Calculation correction made for 2002 winter-run Sacramento River mainstem total.
25-Apr-2003	Data revised for 1997 Feather River Hatchery fall and spring runs.
20-Feb-2003	Preliminary data for 2002 added.