

U.S. Department of the Interior
Bureau of Reclamation
Mid-Pacific Region
South-Central California Area Office
Cachuma Project, California
Historical Operations Data

Water Year	Committed Inflow	% of Average	End of WY Storage	Change in Storage	Gross Evaporation	Pench at Gate	Pench on Lake	SPW Inflow	Exact Diversion	Tunnel (STVCO) Diversion	Releases	Dam	Sale	Total	Tunnel Infiltration	Member Unit Deliveries	Project Water Deliveries	Water Rights Releases
1953	18,071	24%	1,319	1,319	13.78	1,319	1,319	1,319	7,658	7,658	7,658	7,658	7,658	7,658	7,658	7,658	7,658	7,658
1954	18,983	26%	2,326	2,326	16.31	2,326	2,326	2,326	4,832	4,832	4,832	4,832	4,832	4,832	4,832	4,832	4,832	4,832
1955	18,942	26%	2,540	2,540	16.90	2,540	2,540	2,540	3,971	3,971	3,971	3,971	3,971	3,971	3,971	3,971	3,971	3,971
1956	24,329	33%	38,629	17,045	21.48	4,198	4,198	4,198	2,117	2,117	2,117	2,117	2,117	2,117	2,117	2,117	2,117	2,117
1957	16,100	22%	30,154	16,475	14.93	15.28	15.28	15,280	5,470	5,470	5,470	5,470	5,470	5,470	5,470	5,470	5,470	5,470
1958	22,800	32%	19,889	19,889	14.71	14.71	14,710	14,710	8,436	8,436	8,436	8,436	8,436	8,436	8,436	8,436	8,436	8,436
1959	25,400	35%	18,146	18,146	13.71	13.71	13,710	13,710	2,659	2,659	2,659	2,659	2,659	2,659	2,659	2,659	2,659	2,659
1960	31,777	43%	34,483	28,856	22.01	11.16	11.16	11,160	169	169	169	169	169	169	169	169	169	169
1961	31,000	42%	30,475	28,856	22.01	11.16	11,160	11,160	883	883	883	883	883	883	883	883	883	883
1962	105,100	142%	190,475	55,852	42.46	24.14	24.14	24,140	402	402	402	402	402	402	402	402	402	402
1963	9,000	11%	17,176	18,789	12.18	16.44	16.44	16,440	570	570	570	570	570	570	570	570	570	570
1964	4,820	7%	141,500	30,230	11.78	10.57	10,570	10,570	447	447	447	447	447	447	447	447	447	447
1965	16,300	21%	122,300	19,189	10.24	16.34	16.34	16,340	182	182	182	182	182	182	182	182	182	182
1966	83,000	112%	68,926	46,818	12.524	18.57	18,570	18,570	345	345	345	345	345	345	345	345	345	345
1967	10,000	26%	19,822	22,686	12.683	23.24	23,240	23,240	246	246	246	246	246	246	246	246	246	246
1968	10,000	14%	180,971	90,751	13.925	9.99	9,990	9,990	360	360	360	360	360	360	360	360	360	360
1969	25,400	70%	190,161	28,310	12.900	38.28	38,280	38,280	240	240	240	240	240	240	240	240	240	240
1970	30,000	39%	18,407	18,407	12.774	11.81	11,810	11,810	362	362	362	362	362	362	362	362	362	362
1971	31,000	42%	18,345	15,862	12.300	10.66	10,660	10,660	300	300	300	300	300	300	300	300	300	300
1972	8,800	12%	24,314	40,091	11.482	16.43	16,430	16,430	167	167	167	167	167	167	167	167	167	167
1973	22,068	29%	186,871	18,871	13.912	19.90	19,900	19,900	177	177	177	177	177	177	177	177	177	177
1974	33,800	45%	182,735	15,522	12.627	18.82	18,820	18,820	112	112	112	112	112	112	112	112	112	112
1975	50,944	68%	184,487	2,426	11.864	24.80	24,800	24,800	145	145	145	145	145	145	145	145	145	145
1976	6,847	9%	145,187	39,280	11.802	14.22	14,220	14,220	149	149	149	149	149	149	149	149	149	149
1977	19,210	26%	112,077	33,119	10.775	13.05	13,050	13,050	98	98	98	98	98	98	98	98	98	98
1978	326,219	444%	81,424	81,347	13.333	42.48	42,480	42,480	114	114	114	114	114	114	114	114	114	114
1979	61,882	83%	183,349	9,475	13.918	21.00	21,000	21,000	151	151	151	151	151	151	151	151	151	151
1980	154,225	208%	187,382	3,433	13.383	24.26	24,260	24,260	138	138	138	138	138	138	138	138	138	138
1981	22,068	29%	186,871	18,871	13.912	19.90	19,900	19,900	177	177	177	177	177	177	177	177	177	177
1982	22,068	29%	186,871	18,871	13.912	19.90	19,900	19,900	177	177	177	177	177	177	177	177	177	177
1983	42,807	57%	192,327	38,215	14.479	17.47	17,470	17,470	167	167	167	167	167	167	167	167	167	167
1984	39,074	53%	171,586	24,748	14.524	14.37	14,370	14,370	183	183	183	183	183	183	183	183	183	183
1985	6,847	9%	136,748	35,855	12.278	12.27	12,270	12,270	142	142	142	142	142	142	142	142	142	142
1986	7,871	10%	171,873	36,125	12.782	23.33	23,330	23,330	168	168	168	168	168	168	168	168	168	168
1987	2,376	3%	128,352	43,821	12.147	9.05	9,050	9,050	150	150	150	150	150	150	150	150	150	150
1988	6,733	9%	98,150	29,202	10.284	21.82	21,820	21,820	102	102	102	102	102	102	102	102	102	102
1989	4,045	5%	68,988	33,062	8.387	9.88	9,880	9,880	88	88	88	88	88	88	88	88	88	88
1990	2,828	4%	34,188	31,810	6.919	7.83	7,830	7,830	68	68	68	68	68	68	68	68	68	68
1991	53,888	72%	80,959	26,807	6.373	24.38	24,380	24,380	43	43	43	43	43	43	43	43	43	43
1992	33,387	45%	171,476	20,413	13.428	16.71	16,710	16,710	76	76	76	76	76	76	76	76	76	76
1993	18,884	25%	151,048	28,433	12.528	17.38	17,380	17,380	73	73	73	73	73	73	73	73	73	73
1994	36,082	48%	134,855	18,181	10.321	45.69	45,690	45,690	62	62	62	62	62	62	62	62	62	62
1995	33,243	45%	120,503	14,352	11.627	13.43	13,430	13,430	78	78	78	78	78	78	78	78	78	78
1996	56,582	76%	124,771	4,268	11.861	15.66	15,660	15,660	84	84	84	84	84	84	84	84	84	84
1997	47,576	64%	168,500	80,728	11.348	53.66	53,660	53,660	62	62	62	62	62	62	62	62	62	62
1998	21,582	29%	168,772	16,728	12.341	16.67	16,670	16,670	333	333	333	333	333	333	333	333	333	333
1999	19,890	27%	170,940	2,688	12.439	21.47	21,470	21,470	80	80	80	80	80	80	80	80	80	80
2000	150,243	203%	173,475	2,533	11.955	31.78	31,780	31,780	77	77	77	77	77	77	77	77	77	77
2001	150,243	203%	173,475	2,533	11.955	31.78	31,780	31,780	77	77	77	77	77	77	77	77	77	77
2002	5,260	7%	129,370	64,109	11,024	8.78	2,040	2,040	4,827	4,827	4,827	4,827	4,827	4,827	4,827	4,827	4,827	4,827
Count	50	50	50	50	50	50	50	50	43	43	43	43	43	43	43	43	43	43
Maximum	525,400	709%	186,886	168,735	14,624	53.66	12,072	4,827	863	863	30,670	6,054	23,784	2,999	468,150	453,480	35,979	23,784
Minimum	4,910	3%	44,109	323	7.83	1.08	1.08	1.08	43	43	2,117	109	883	484	1,405	3,827	1,794	883
Total	4,432,343	5982%	7,066,280	128,370	951,943	1026.32	200,226	9,278	7,711	925,121	97,882	284,235	17,948	2,584,975	17,948	1,181,121	1,171,843	261,037
Average	88,847	120%	141,128	2,567	11,040	20.51	4,125	1,858	179	19,863	5,085	1,795	144,185	78,933	24,807	24,413	5,327	11,468

Notes: 1. This percent of average is based on the historical average annual runoff of 74,100 acre-feet estimated for the Santa Ynez River at the gauging station near the town of Santa Ynez. This average is based on 27 years of record during the period October 1929 through September 1952, including the record year of 1931-32.
2. The change in storage, releases, spill and evaporation minus precipitation on the reservoir surface and SPW inflow.
3. In WY 1971 the inflow included approximately 5,700 acre-feet which reached Lake Cachuma after being released from storage in Gibraltar Reservoir. This remaining inflow (25,300 af) was about 34 percent of the historical average.
4. In WY 1971 and 1972, there were 5,380 and 1,300 acre-feet, respectively, released from the Teocote Tunnel for delivery to the City of Santa Barbara which had been temporarily stored in Lakes Cachuma.
5. Releases indicated include leakage from around siphony gates and through their outlet works valves.
6. In WY 1995, the water spilled down the river was due to large winter storms and a reservoir notification which resulted from a safety of dams concern.
7. The Member Unit Deliveries is the aggregate sum of the releases to the Santa Ynez River WCD ID #1, Direct Diversion, and the Teocote Tunnel plus infiltration into the tunnel.
8. In WY 2001, a new capacity table was introduced on July 1 which resulted in a reduction of 2,379 acre-feet of total storage capacity.
9. Data for Water Years 1998-2001 were taken directly from the Annual Progress Reports submitted to the Water Resources Control Board. Data for Water Years 1993-1997 was taken from Daily Operations Reports.
10. Releases to Teocote Tunnel in WY 1988-2002 include SPW water conveyed through the reservoir and tunnel.
11. Project Unit Deliveries minus the SPW water conveyed through the reservoir and tunnel.
12. For Water Years 1983-1995, Water Rights Releases were reported as "downstream releases from Gibraltar Dam" until for in-stream purposes in the Annual Progress Reports.
13. For Water Years 1987-1973, Water Rights Releases were taken as "downstream releases from Gibraltar Dam" until for in-stream purposes in the Annual Progress Reports.
14. For Water Years 1974-2002, Water Rights Releases were taken directly from the monthly downstream users reports.