

Water-Data Report 2011

11451000 Cache Creek near Lower Lake, CA

Sacramento River Basin

LOCATION.--Lat 38°55'27", long 122°33'53" referenced to North American Datum of 1927, in SW ¼ SE ¼ sec.6, T.12 N., R.6 W., Lake County, CA, Hydrologic Unit 18020116, on left bank, 300 ft downstream from Cache Creek Dam, 1.5 mi downstream from Herndon Creek, 1.9 mi downstream from Copsy Creek, and 2.5 mi northeast of Lower Lake.

DRAINAGE AREA.--528 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 1944 to current year.

CHEMICAL DATA: Water year 2000.

SEDIMENT DATA: Water year 2000.

GAGE.--Water-stage recorder and rain gage (station 385525122335501). Datum of gage is 1,279.34 ft above NGVD of 1929. Prior to Oct. 2, 1987, at datum 1.00 ft higher.

REMARKS.--Records good. Flow regulated by Clear Lake (station 11450000) from Cache Creek Dam, 500 ft upstream. See schematic diagram of lower Sacramento River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,200 ft³/s, Feb. 17, 1998, gage height, 11.01 ft, present datum; no flow Nov. 8-20, 1977, Apr. 5, 6, 1987.

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**DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.6	1.9	5.8	4.1	6.2	398	3,850	518	202	499	683	464
2	7.7	1.7	6.5	5.0	7.0	511	3,830	486	147	425	674	379
3	7.3	1.5	4.1	5.1	5.4	262	3,640	517	122	412	680	333
4	6.6	1.5	4.8	4.8	4.8	217	3,550	597	105	466	663	303
5	5.0	1.3	5.6	5.8	5.4	218	3,530	663	96	600	597	281
6	5.7	1.2	5.5	4.6	5.3	436	3,480	734	98	681	514	262
7	4.5	1.3	5.1	5.2	5.5	802	3,400	767	99	745	527	253
8	4.6	1.3	5.3	5.8	5.4	1,050	3,340	747	98	731	578	246
9	4.5	1.2	5.3	5.2	6.1	1,440	3,230	735	143	682	589	243
10	4.3	1.2	5.1	5.1	5.0	1,800	3,160	678	288	674	597	226
11	4.4	1.2	5.3	4.0	4.9	1,910	2,990	601	374	697	616	203
12	4.5	1.2	5.4	4.4	5.1	1,910	2,640	623	379	747	605	184
13	3.9	1.2	4.9	5.2	4.7	1,540	1,950	633	451	732	553	213
14	5.3	1.2	4.8	4.6	4.8	1,400	1,100	605	528	737	525	256
15	5.5	1.1	4.6	4.5	5.3	1,590	291	570	563	693	510	263
16	5.5	1.9	4.8	4.6	5.4	1,960	34	521	605	595	507	255
17	5.2	1.4	4.9	5.1	5.6	2,440	15	400	633	590	506	244
18	4.3	1.1	4.8	5.7	5.1	2,830	15	285	634	644	504	234
19	3.4	1.0	4.8	4.8	4.5	2,940	16	229	660	706	522	225
20	3.5	0.99	5.5	5.3	4.6	3,330	15	204	723	702	529	236
21	3.4	0.98	4.5	4.8	5.1	3,280	15	205	765	681	513	255
22	3.2	1.4	4.2	4.5	6.0	3,480	13	224	803	660	481	279
23	3.2	1.5	5.0	4.1	6.3	3,940	38	258	825	627	454	280
24	3.3	1.3	4.6	5.1	6.4	4,260	61	331	769	652	459	247
25	3.1	1.1	4.1	5.1	5.8	4,130	86	422	701	688	468	230
26	2.7	0.99	4.3	5.1	5.8	4,290	183	439	759	709	505	225
27	2.5	3.2	5.2	4.8	6.5	4,190	409	370	802	749	526	230
28	2.4	2.7	4.7	4.4	5.8	4,170	537	320	753	769	525	275
29	2.3	3.0	4.4	4.6	---	4,180	544	296	649	743	520	261
30	2.3	1.9	5.2	4.4	---	4,080	534	271	571	664	517	231
31	2.1	---	5.0	5.3	---	4,020	---	244	---	647	515	---
Total	133.8	44.46	154.1	151.1	206.0	73,004	46,496	14,493	14,345	20,347	16,962	7,816
Mean	4.32	1.48	4.97	4.87	7.36	2,355	1,550	468	478	656	547	261
Max	7.7	3.2	6.5	5.8	5.8	4,290	3,850	767	825	769	683	464
Min	2.1	0.98	4.1	4.0	4.5	217	13	204	96	412	454	184
Ac-ft	265	88	306	300	409	144,800	92,220	28,750	28,450	40,360	33,640	15,500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	34.3	14.2	100	602	749	818	568	346	388	409	329	172
Max	191	683	2,584	3,047	4,988	4,919	3,538	951	702	685	547	325
(WY)	(1996)	(1984)	(1984)	(1997)	(1998)	(1983)	(1958)	(1983)	(2000)	(2010)	(2011)	(1995)
Min	0.40	0.17	0.14	0.18	0.17	0.32	0.42	0.40	0.29	0.41	0.71	0.55
(WY)	(1978)	(1978)	(1991)	(1991)	(1991)	(1955)	(1990)	(1990)	(1991)	(1977)	(1977)	(1977)

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SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1945 - 2011	
Annual total	103,955.16		194,152.46			
Annual mean	285		532		376	
Highest annual mean					1,342	1983
Lowest annual mean					0.67	1990
Highest daily mean	2,890	Apr 15	4,290	Mar 26	7,200	Feb 18, 1998
Lowest daily mean	0.98	Nov 21	0.98	Nov 21	0.00	Nov 8, 1977
Annual seven-day minimum	1.2	Nov 20	1.2	Nov 20	0.00	Nov 8, 1977
Maximum peak flow			5,520	Mar 24	10,200	Feb 17, 1998
Maximum peak stage			9.63	Mar 24	11.01	Feb 17, 1998
Annual runoff (ac-ft)	206,200		385,100		272,200	
10 percent exceeds	690		1,220		644	
50 percent exceeds	6.5		229		62	
90 percent exceeds	3.2		3.2		1.4	

