

Water-Data Report 2012

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.

11451000 Cache Creek near Lower Lake, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	201	5.3	6.3	6.2	4.7	3.8	5.2	8.9	224	322	363	237
2	155	4.9	5.9	6.3	4.6	3.8	5.4	9.0	225	331	299	237
3	112	6.3	5.3	6.4	4.3	3.8	5.7	9.4	229	346	288	235
4	77	6.2	5.3	6.7	4.3	3.7	5.9	45	234	368	274	225
5	51	5.3	6.2	6.8	4.3	3.8	5.6	87	230	381	272	216
6	50	6.1	6.0	6.6	4.1	3.6	5.8	161	224	380	273	154
7	68	5.4	5.1	6.4	4.3	3.6	5.1	251	221	370	281	111
8	76	5.1	5.2	6.3	4.1	3.6	5.3	275	221	366	283	111
9	87	6.1	5.2	6.4	4.1	3.4	5.4	304	210	370	278	111
10	80	6.9	5.3	7.0	4.1	3.5	5.7	328	202	368	278	109
11	62	6.7	5.3	6.5	3.8	3.4	6.2	329	198	367	275	107
12	35	7.9	5.6	6.2	3.9	3.5	6.8	328	215	364	274	105
13	14	8.4	5.6	6.0	3.9	3.8	7.2	312	261	364	271	104
14	6.4	9.1	5.4	6.1	3.7	3.8	7.1	296	291	360	270	103
15	5.9	7.6	5.6	5.8	3.7	3.8	6.6	294	300	359	268	102
16	5.8	5.9	5.7	5.8	3.6	3.8	6.8	293	296	354	264	100
17	5.4	6.4	5.8	5.8	3.6	4.0	6.9	295	295	369	259	99
18	5.2	6.8	5.7	5.6	3.7	3.9	7.0	281	305	406	258	97
19	5.0	5.5	6.2	5.6	3.6	4.1	6.8	272	330	417	256	97
20	5.0	6.3	6.1	5.5	3.6	4.0	6.8	263	341	451	253	96
21	5.8	5.1	6.1	5.2	3.7	4.3	6.8	258	332	466	251	95
22	6.1	4.8	6.1	5.4	3.6	4.6	7.1	258	311	463	247	93
23	5.8	4.8	6.3	5.6	3.5	4.6	7.5	251	299	469	252	93
24	6.1	6.1	6.3	5.6	3.6	5.8	7.9	241	297	473	254	92
25	5.2	5.9	6.3	5.6	3.6	5.6	8.0	238	294	453	255	91
26	4.5	5.7	6.3	5.5	3.6	5.9	8.8	232	291	435	252	91
27	4.1	5.9	6.7	5.3	3.7	6.5	9.5	227	288	433	248	90
28	4.0	6.1	6.6	5.2	3.8	5.3	9.0	222	316	429	247	89
29	4.5	6.2	6.5	5.0	3.9	5.1	8.6	218	327	422	244	89
30	5.1	6.5	6.5	4.9	---	5.3	8.8	224	325	420	242	87
31	5.5	---	6.2	4.8	---	4.8	---	226	---	417	239	---
Total	1,163.4	185.3	182.7	182.1	113.0	132.5	205.3	7,036.3	8,132	12,293	8,268	3,666
Mean	37.5	6.18	5.89	5.87	3.90	4.27	6.84	227	271	397	267	122
Max	201	9.1	6.7	7.0	4.7	6.5	9.5	329	341	473	363	237
Min	4.0	4.8	5.1	4.8	3.5	3.4	5.1	8.9	198	322	239	87
Ac-ft	2,310	368	362	361	224	263	407	13,960	16,130	24,380	16,400	7,270

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	34.3	14.0	98.7	593	738	806	560	345	386	409	328	171
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)

11451000 Cache Creek near Lower Lake, CA—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1945 - 2012	
Annual total	195,351.5		41,559.6			
Annual mean	535		114		372	
Highest annual mean					1,342	1983
Lowest annual mean					0.67	1990
Highest daily mean	4,290	Mar 26	473	Jul 24	7,200	Feb 18, 1998
Lowest daily mean	4.0	Jan 11	3.4	Mar 9	0.00	Nov 8, 1977
Annual seven-day minimum	4.6	Jan 10	3.5	Mar 6	0.00	Nov 8, 1977
Maximum peak flow			488	Jul 23	10,200	Feb 17, 1998
Maximum peak stage			4.47	Jul 23	11.01	Feb 17, 1998
Annual runoff (ac-ft)	387,500		82,430		269,400	
10 percent exceeds	1,220		328		635	
50 percent exceeds	229		6.9		60	
90 percent exceeds	5.1		4.0		1.4	

