

Water-Data Report 2013

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 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	86	4.3	3.2	1,340	6.9	16	17	70	454	365	287	286
2	81	4.4	92	1,290	7.1	16	16	77	469	373	286	286
3	56	4.2	4.1	995	7.3	16	16	94	461	388	282	283
4	32	4.1	4.3	412	7.3	16	16	113	443	441	278	279
5	25	4.0	4.6	138	7.6	16	16	117	434	506	275	276
6	25	3.8	4.7	86	8.5	16	16	118	423	533	273	275
7	25	3.6	5.0	56	17	17	17	118	413	529	271	252
8	25	3.2	5.2	27	19	17	16	116	401	525	270	248
9	25	3.2	5.2	22	17	16	15	122	380	516	269	246
10	25	3.1	5.2	19	17	16	15	130	368	505	265	243
11	25	2.8	5.3	13	19	16	15	114	371	503	264	241
12	21	2.4	5.6	10	20	16	15	86	363	496	262	242
13	8.6	2.3	5.4	10	19	16	15	15	353	467	261	244
14	5.1	2.4	5.3	9.7	17	16	19	15	343	441	261	229
15	4.9	2.4	5.0	9.7	17	17	18	75	342	385	268	224
16	5.0	2.6	4.8	9.0	16	17	15	264	358	307	275	219
17	4.8	2.5	4.6	9.8	16	17	15	362	385	306	277	211
18	4.6	2.3	4.3	11	16	17	15	376	410	297	274	209
19	4.8	3.5	3.6	10	16	17	15	348	399	269	272	207
20	4.6	3.2	3.4	9.9	17	18	14	323	369	254	269	130
21	4.3	3.1	4.1	9.9	16	18	15	313	339	250	269	62
22	4.7	4.0	5.2	9.9	16	17	15	303	301	256	266	25
23	4.8	3.7	90	10	17	17	15	295	257	282	266	9.9
24	4.7	3.6	79	9.5	17	17	15	287	230	303	280	7.5
25	4.7	3.4	251	9.7	16	17	15	285	221	299	290	7.2
26	4.5	3.0	303	9.7	16	17	23	301	242	297	289	7.2
27	4.3	3.4	957	8.7	16	17	30	311	277	297	288	7.2
28	4.3	5.8	1,350	9.0	16	16	34	339	312	293	285	7.0
29	4.2	5.6	1,360	8.2	---	17	48	363	321	288	284	7.2
30	4.0	4.0	1,360	6.9	---	16	61	379	337	288	284	6.9
31	4.1	---	1,350	6.6	---	16	---	416	---	287	284	---
Total	542.0	103.9	7,290.1	4,585.2	417.7	514	587	6,645	10,776	11,546	8,524	4,977.1
Mean	17.5	3.46	235	148	14.9	16.6	19.6	214	359	372	275	166
Max	86	5.8	1,360	1,340	20	18	61	416	469	533	290	286
Min	4.0	2.3	3.2	6.6	6.9	16	14	15	221	250	261	6.9
Ac-ft	1,080	206	14,460	9,090	829	1,020	1,160	13,180	21,370	22,900	16,910	9,870

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	34.1	13.9	101	587	727	794	552	343	386	408	327	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)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1945 - 2013	
Annual total	47,964.2		56,508.0			
Annual mean	131		155		369	
Highest annual mean					1,342	1983
Lowest annual mean					0.67	1990
Highest daily mean	1,360	Dec 29	1,360	Dec 29	7,200	Feb 18, 1998
Lowest daily mean	2.3	Nov 13	2.3	Nov 13	0.00	Nov 8, 1977
Annual seven-day minimum	2.4	Nov 12	2.4	Nov 12	0.00	Nov 8, 1977
Maximum peak flow			1,420	Dec 27	10,200	Feb 17, 1998
Maximum peak stage			6.19	Dec 27	11.01	Feb 17, 1998
Annual runoff (ac-ft)	95,140		112,100		267,100	
10 percent exceeds	335		377		630	
50 percent exceeds	7.7		19		58	
90 percent exceeds	3.6		4.3		1.4	

