



Water-Data Report 2010

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 Copsey 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 fair from Oct. 6 to Apr. 5, and good thereafter. 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 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.0	6.1	5.9	4.3	5.1	6.5	4.7	702	490	656	646	376
2	5.4	5.7	6.2	4.4	5.0	5.8	4.7	961	482	671	600	421
3	5.0	5.4	6.1	6.1	5.1	6.8	4.5	1,590	474	702	546	470
4	5.5	5.4	5.9	6.5	5.0	5.8	5.0	1,560	482	713	532	465
5	5.4	6.2	6.1	4.1	4.5	6.8	5.5	789	480	693	510	477
6	5.2	6.9	6.2	3.2	4.8	6.4	4.8	538	473	683	495	466
7	5.0	6.7	5.6	4.6	4.8	6.6	6.2	578	487	704	467	452
8	5.2	6.3	4.5	5.1	5.2	6.3	4.3	465	561	714	450	455
9	4.9	6.7	3.7	4.7	4.9	6.9	4.5	441	616	704	497	445
10	4.6	6.2	4.9	5.7	5.1	6.1	4.6	466	642	695	564	441
11	4.7	5.7	6.3	6.6	5.2	6.3	9.9	477	637	684	606	418
12	4.9	5.9	6.2	6.1	4.9	6.7	421	483	599	673	622	406
13	5.2	6.2	6.2	6.8	6.0	7.6	1,810	537	566	670	601	272
14	5.2	6.5	6.3	7.1	5.5	5.7	2,690	614	612	692	574	49
15	5.0	7.2	6.3	6.0	5.6	6.2	2,890	681	661	708	573	5.7
16	4.7	6.8	6.2	5.2	5.3	5.4	2,800	721	666	697	573	7.0
17	5.9	7.1	5.9	5.1	5.3	5.6	2,730	729	678	685	571	6.6
18	6.7	6.5	6.2	6.2	5.6	4.9	2,700	728	674	683	573	6.2
19	5.6	6.4	6.6	7.0	5.0	5.0	2,680	729	667	695	570	5.9
20	4.8	6.6	6.8	7.2	5.3	4.7	1,230	725	670	697	592	5.9
21	4.7	6.6	6.8	5.1	4.8	5.0	11	718	672	688	575	6.8
22	4.7	6.5	7.0	4.8	5.0	5.3	12	706	666	683	532	7.2
23	4.7	6.2	6.9	4.8	4.9	5.2	12	676	668	683	516	6.9
24	5.1	6.0	6.5	4.8	4.7	4.9	11	644	679	696	462	6.1
25	5.0	5.5	5.8	30	4.9	4.7	11	665	696	692	402	5.5
26	4.8	5.4	5.5	36	4.6	4.6	11	683	693	677	398	5.2
27	4.7	5.7	5.3	3.3	4.5	4.9	13	645	680	672	393	5.4
28	4.6	6.4	3.8	4.5	4.6	5.3	15	593	681	663	385	5.1
29	5.5	6.7	4.2	5.3	---	4.7	19	563	649	658	356	5.3
30	6.6	6.3	4.7	5.4	---	5.2	359	512	642	652	358	6.8
31	6.6	---	6.0	5.0	---	5.4	---	483	---	649	373	---
Total	160.9	187.8	180.6	221.0	141.2	177.3	20,483.7	21,402	18,343	21,232	15,912	5,710.6
Mean	5.19	6.26	5.83	7.13	5.04	5.72	683	690	611	685	513	190
Max	6.7	7.2	7.0	36	6.0	7.6	2,890	1,590	696	714	646	477
Min	4.6	5.4	3.7	3.2	4.5	4.6	4.3	441	473	649	356	5.1
Ac-ft	319	373	358	438	280	352	40,630	42,450	36,380	42,110	31,560	11,330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	34.7	14.3	102	611	760	794	553	344	386	405	326	171
Max	191	683	2,584	3,047	4,988	4,919	3,538	951	702	685	514	325
(WY)	(1996)	(1984)	(1984)	(1997)	(1998)	(1983)	(1958)	(1983)	(2000)	(2010)	(1999)	(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 2009		Water Year 2010		Water Years 1945 - 2010	
Annual total	14,001.9		104,152.1			
Annual mean	38.4		285		373	
Highest annual mean					1,342	1983
Lowest annual mean					0.67	1990
Highest daily mean	359	May 31	2,890	Apr 15	7,200	Feb 18, 1998
Lowest daily mean	3.5	Sep 23	3.2	Jan 6	0.00	Nov 8, 1977
Annual seven-day minimum	4.8	Sep 27	4.7	Dec 27	0.00	Nov 8, 1977
Maximum peak flow			3,390	Apr 15	10,200	Feb 17, 1998
Maximum peak stage			8.22	Apr 15	11.01	Feb 17, 1998
Annual runoff (ac-ft)	27,770		206,600		270,400	
10 percent exceeds	139		690		633	
50 percent exceeds	6.0		6.7		60	
90 percent exceeds	4.9		4.8		1.4	

