



Water-Data Report 2009

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 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 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.8	7.7	8.2	4.9	5.8	7.5	4.9	6.2	358	103	243	107
2	6.4	7.6	8.1	4.5	5.9	8.6	5.0	6.0	354	102	339	116
3	6.3	7.7	7.8	4.9	5.9	8.2	5.0	6.0	333	125	333	98
4	6.1	7.4	7.4	5.1	6.1	8.0	5.0	5.8	292	144	329	101
5	6.0	7.3	7.1	5.0	6.3	8.2	5.0	5.8	233	133	330	103
6	6.1	7.4	7.3	4.7	6.6	8.6	5.1	5.8	211	121	322	102
7	6.3	7.4	6.3	5.0	6.8	9.1	5.1	5.6	203	135	304	101
8	6.4	7.3	7.0	5.4	6.1	9.6	5.1	5.3	150	170	161	43
9	6.5	6.8	6.8	5.1	5.7	11	5.2	5.3	82	191	33	5.7
10	6.3	6.3	5.5	5.8	5.7	15	5.4	5.2	73	188	4.7	5.6
11	6.3	5.1	6.8	6.0	6.0	13	5.5	5.5	70	185	5.0	5.6
12	6.2	4.3	7.4	5.5	6.0	7.4	5.5	5.8	91	182	5.5	5.4
13	6.1	9.6	7.1	5.8	5.9	5.3	5.5	5.5	122	177	5.7	4.7
14	6.3	11	6.7	6.2	6.0	5.3	5.4	5.4	92	144	5.6	4.8
15	6.4	7.5	6.5	6.0	6.3	5.3	5.4	5.3	83	110	5.3	4.4
16	6.3	6.7	6.4	5.5	7.4	5.3	5.5	5.5	96	101	5.5	3.9
17	6.4	7.1	7.2	5.6	8.1	5.4	5.6	5.3	95	78	5.3	5.0
18	6.4	7.5	7.2	5.8	7.1	5.5	5.7	5.7	94	58	5.3	5.2
19	6.5	6.9	6.8	5.6	6.9	5.3	5.7	30	130	59	5.3	5.8
20	6.6	7.0	6.2	5.7	6.7	5.2	5.8	51	145	60	5.3	5.8
21	6.5	7.4	5.7	5.6	6.4	5.2	6.0	42	155	32	5.4	5.1
22	6.5	7.4	5.6	5.7	6.9	5.2	6.0	45	141	32	5.4	4.1
23	6.7	7.6	5.5	5.7	7.1	5.0	6.2	55	140	53	5.4	3.5
24	6.5	7.3	6.2	5.8	6.8	5.1	6.1	54	144	43	5.3	5.4
25	6.3	6.6	5.8	5.9	6.8	5.1	6.0	53	138	9.8	5.2	5.9
26	6.0	7.2	5.0	6.0	6.9	5.1	6.1	103	149	10	5.0	5.5
27	7.6	7.9	5.6	6.0	6.9	5.0	6.0	173	160	10	5.2	5.0
28	8.3	7.9	5.5	5.8	7.0	4.9	5.8	221	123	10	5.0	4.5
29	7.4	7.9	5.1	5.7	---	5.0	6.0	280	99	10	5.3	4.3
30	6.9	7.9	5.0	5.7	---	4.9	6.2	330	101	10	5.2	4.1
31	7.2	---	5.2	5.8	---	4.9	---	359	---	10	4.7	---
Total	202.6	220.7	200.0	171.8	182.1	212.2	166.8	1,897.0	4,657	2,795.8	2,509.6	880.3
Mean	6.54	7.36	6.45	5.54	6.50	6.85	5.56	61.2	155	90.2	81.0	29.3
Max	8.3	11	8.2	6.2	8.1	15	6.2	359	358	191	339	116
Min	6.0	4.3	5.0	4.5	5.7	4.9	4.9	5.2	70	9.8	4.7	3.5
Ac-ft	402	438	397	341	361	421	331	3,760	9,240	5,550	4,980	1,750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	35.2	14.5	103	621	772	807	551	339	383	401	323	171
Max	191	683	2,584	3,047	4,988	4,919	3,538	951	702	651	514	325
(WY)	(1996)	(1984)	(1984)	(1997)	(1998)	(1983)	(1958)	(1983)	(2000)	(1998)	(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)

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SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1945 - 2009	
Annual total	63,208.2		14,095.9			
Annual mean	173		38.6		375	
Highest annual mean					1,342	1983
Lowest annual mean					0.67	1990
Highest daily mean	578	May 20	359	May 31	7,200	Feb 18, 1998
Lowest daily mean	4.3	Nov 12	3.5	Sep 23	0.00	Nov 8, 1977
Annual seven-day minimum	5.3	Dec 25	4.8	Sep 12	0.00	Nov 8, 1977
Maximum peak flow			370	May 30	10,200	Feb 17, 1998
Maximum peak stage			4.28	May 30	11.01	Feb 17, 1998
Annual runoff (ac-ft)	125,400		27,960		271,400	
10 percent exceeds	449		139		627	
50 percent exceeds	16		6.3		62	
90 percent exceeds	6.3		5.1		1.3	

