

Water-Data Report 2007

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 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.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	104	4.3	1.5	6.9	6.9	9.2	12	10	341	358	387	270
2	80	4.1	1.3	6.9	7.1	7.3	183	10	349	353	361	257
3	49	3.9	1.3	6.9	7.2	7.3	278	27	348	349	293	227
4	49	3.8	1.3	7.1	7.1	7.4	335	41	332	349	292	199
5	49	3.7	1.4	7.0	7.0	7.4	423	40	302	349	286	190
6	49	3.6	1.4	7.1	7.4	7.4	430	40	291	340	254	209
7	48	3.4	3.6	7.1	7.4	7.4	411	40	291	313	232	226
8	47	3.1	6.8	7.0	7.9	7.4	420	90	291	296	231	226
9	47	3.1	6.8	7.0	8.3	7.2	398	155	274	294	223	226
10	46	3.0	6.8	7.1	9.6	7.5	33	160	269	302	215	225
11	42	2.7	6.7	7.3	9.6	7.4	34	163	272	295	224	225
12	45	2.6	6.7	7.3	10	7.4	61	162	235	270	247	214
13	47	2.8	6.4	7.2	10	7.3	99	145	234	259	260	192
14	46	2.9	6.3	7.3	9.4	6.8	47	142	298	247	271	178
15	46	2.7	6.4	7.1	9.2	6.5	30	151	349	235	282	166
16	46	2.5	6.5	7.1	9.3	7.3	29	160	366	221	282	136
17	46	2.6	6.6	6.5	9.5	7.9	30	166	371	255	263	162
18	46	2.5	6.8	6.2	9.4	8.0	32	207	371	323	232	216
19	46	2.5	6.8	6.0	9.4	8.3	32	233	370	379	230	210
20	27	2.5	6.7	6.0	9.5	8.2	32	257	370	425	239	176
21	6.3	2.6	6.8	5.8	9.3	8.6	33	286	370	440	256	128
22	6.1	2.4	6.8	5.7	9.5	8.4	31	289	369	466	275	96
23	5.3	2.1	6.8	5.7	9.6	8.7	21	283	359	474	285	95
24	5.1	2.0	6.8	5.9	9.4	8.7	11	287	349	458	290	94
25	5.0	2.1	6.8	5.9	8.9	9.3	11	312	348	458	264	112
26	4.9	1.6	7.0	6.0	8.9	11	11	324	347	459	213	159
27	4.7	1.4	7.5	6.0	9.6	16	12	328	354	427	214	183
28	4.4	1.6	7.5	6.0	11	15	40	328	360	389	230	181
29	4.4	1.7	7.4	6.4	---	15	131	324	359	408	230	145
30	4.3	1.6	7.0	6.7	---	15	10	323	359	414	239	113
31	4.4	---	6.8	6.8	---	14	---	328	---	382	255	---
Total	1,059.9	81.4	175.3	205.0	247.4	280.3	3,660	5,811	9,898	10,987	8,055	5,436
Mean	34.2	2.71	5.65	6.61	8.84	9.04	122	187	330	354	260	181
Max	104	4.3	7.5	7.3	11	16	430	328	371	474	387	270
Min	4.3	1.4	1.3	5.7	6.9	6.5	10	10	234	221	213	94
Ac-ft	2,100	161	348	407	491	556	7,260	11,530	19,630	21,790	15,980	10,780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	35.8	14.7	106	640	796	832	567	343	386	406	325	172
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 2006		Water Year 2007		Water Years 1945 - 2007	
Annual total	348,279.6		45,896.3			
Annual mean	954		126		383	
Highest annual mean					1,342	1983
Lowest annual mean					0.67	1990
Highest daily mean	4,300	Apr 12	474	Jul 23	7,200	Feb 18, 1998
Lowest daily mean	1.3	Dec 2	1.3	Dec 2	0.00	Nov 8, 1977
Annual seven-day minimum	1.4	Nov 30	1.4	Nov 30	0.00	Nov 8, 1977
Maximum peak flow			505 Jul 23		10,200 Feb 17, 1998	
Maximum peak stage			4.66 Jul 23		11.01 Feb 17, 1998	
Annual runoff (ac-ft)	690,800		91,040		277,600	
10 percent exceeds	3,260		349		642	
50 percent exceeds	417		34		71	
90 percent exceeds	4.2		4.2		1.3	

