



Water-Data Report 2008

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.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	91	4.7	4.8	5.3	9.1	11	55	235	506	341	445	363
2	62	4.3	5.2	4.4	9.4	11	122	235	503	321	443	356
3	52	4.1	5.1	7.1	10	11	68	234	520	299	437	355
4	52	3.9	4.8	301	11	12	21	231	554	298	433	353
5	51	6.0	4.7	10	11	12	33	230	511	297	431	351
6	51	8.0	5.4	8.8	10	12	102	218	437	295	453	350
7	51	8.2	6.1	8.6	9.7	12	153	219	391	294	463	348
8	42	8.3	5.1	8.3	9.7	12	163	246	360	291	445	345
9	33	8.3	5.2	8.1	9.4	12	155	320	353	288	442	340
10	24	8.3	5.2	7.8	9.4	12	144	365	341	336	437	349
11	16	8.0	4.3	7.1	9.4	14	153	366	346	401	434	332
12	15	7.7	3.9	6.5	9.4	13	189	362	361	398	446	270
13	15	7.9	4.7	6.2	9.3	13	203	370	372	421	464	266
14	15	8.0	4.9	5.9	9.3	13	208	398	372	450	460	265
15	11	8.0	4.9	5.6	10	13	204	425	382	447	447	264
16	6.9	8.1	5.5	5.7	10	14	176	478	399	445	443	264
17	9.1	8.0	6.9	5.8	9.6	14	137	521	420	443	439	262
18	6.7	8.2	8.4	5.7	9.1	14	121	518	418	440	436	262
19	6.6	8.3	8.1	5.8	9.1	14	134	548	395	439	448	242
20	6.7	9.4	7.1	5.8	9.4	14	121	578	391	436	455	225
21	5.9	9.0	5.5	6.3	9.4	14	121	559	386	434	450	213
22	5.6	7.0	5.4	5.8	9.4	15	118	537	386	433	437	132
23	5.6	6.4	4.8	5.8	10	15	125	529	378	451	484	26
24	5.3	5.1	6.6	5.7	11	15	123	507	374	468	487	7.2
25	8.2	4.6	7.2	29	11	15	145	457	371	465	430	6.8
26	14	4.5	5.7	259	12	15	166	422	356	461	383	6.6
27	14	4.5	6.5	8.4	12	16	166	418	340	460	381	6.3
28	14	8.5	5.6	8.6	11	16	166	458	339	456	381	6.6
29	15	7.8	5.2	8.8	11	16	200	516	336	456	381	6.7
30	15	5.4	5.3	9.0	---	17	232	509	344	451	376	6.8
31	12	---	5.8	8.9	---	17	---	507	---	447	371	---
Total	731.6	208.5	173.9	784.8	290.1	424	4,224	12,516	11,942	12,362	13,462	6,580.0
Mean	23.6	6.95	5.61	25.3	10.0	13.7	141	404	398	399	434	219
Max	91	9.4	8.4	301	12	17	232	578	554	468	487	363
Min	5.3	3.9	3.9	4.4	9.1	11	21	218	336	288	371	6.3
Ac-ft	1,450	414	345	1,560	575	841	8,380	24,830	23,690	24,520	26,700	13,050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	35.6	14.6	104	630	784	819	560	344	386	406	327	173
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 2007		Water Year 2008		Water Years 1945 - 2008	
Annual total	45,693.7		63,698.9			
Annual mean	125		174		380	
Highest annual mean					1,342	1983
Lowest annual mean					0.67	1990
Highest daily mean	474	Jul 23	578	May 20	7,200	Feb 18, 1998
Lowest daily mean	3.9	Nov 4	3.9	Nov 4	0.00	Nov 8, 1977
Annual seven-day minimum	4.7	Dec 9	4.7	Dec 9	0.00	Nov 8, 1977
Maximum peak flow			3,130	Jan 4	10,200	Feb 17, 1998
Maximum peak stage			8.01	Jan 4	11.01	Feb 17, 1998
Annual runoff (ac-ft)	90,630		126,300		275,200	
10 percent exceeds	349		449		632	
50 percent exceeds	27		38		71	
90 percent exceeds	5.8		5.7		1.3	

