

Water-Data Report 2011

11335655 Deer Creek near Cameron Park, CA

San Joaquin River Basin

LOCATION.--Lat 38°37'26", long 120°59'37" referenced to North American Datum of 1983, in SW ¼ NE ¼ sec.21, T.9 N., R.9 E., El Dorado County, CA, Hydrologic Unit 18040013, on right bank, 0.5 mi upstream from Marble Creek, and 3.0 mi south of Cameron Park.

DRAINAGE AREA.--10.3 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 2004 to June 30, 2011 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 720 ft above NGVD of 1929, from topographical map.

REMARKS.--Records fair except for discharges below 1 ft³/s, which are poor. Flow is affected by effluent from the wastewater treatment plant upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,470 ft³/s, Dec. 31, 2005, gage height, 9.86 ft, from rating curve extended above 110 ft³/s on basis of step-backwater computations; minimum daily, 0.53 ft³/s, Aug. 30, 2009.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 795 ft³/s, Mar. 24, gage height, 6.97 ft. No peaks occurred outside period of published record during this water year.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.3	3.5	6.5	61	16	26	36	9.3	22	---	---	---
2	1.3	3.3	6.0	125	13	38	30	9.1	23	---	---	---
3	1.3	3.3	6.7	63	12	23	28	9.5	16	---	---	---
4	1.6	3.3	5.7	36	14	21	24	11	27	---	---	---
5	1.8	3.3	24	28	12	20	21	12	20	---	---	---
6	2.0	3.3	59	25	12	99	20	11	59	---	---	---
7	2.1	33	21	23	12	154	20	11	23	---	---	---
8	2.1	13	14	20	11	52	19	11	18	---	---	---
9	2.2	5.6	11	19	9.9	36	17	11	15	---	---	---
10	2.2	5.7	9.7	18	10	32	15	11	13	---	---	---
11	2.1	5.6	9.2	17	11	28	15	11	12	---	---	---
12	2.2	5.2	8.3	16	10	25	15	11	12	---	---	---
13	2.1	4.9	7.5	17	10	25	15	11	11	---	---	---
14	2.8	5.0	26	16	16	118	14	11	9.6	---	---	---
15	3.7	5.5	24	15	8.4	170	14	46	8.8	---	---	---
16	3.5	6.0	13	15	78	273	14	26	9.0	---	---	---
17	3.5	5.5	33	15	120	81	14	43	9.0	---	---	---
18	4.5	5.3	397	15	162	138	13	64	8.6	---	---	---
19	4.1	8.3	343	14	232	201	13	24	8.8	---	---	---
20	4.0	52	106	13	63	165	13	19	8.7	---	---	---
21	5.0	59	47	13	35	94	18	16	8.6	---	---	---
22	4.5	17	85	14	26	59	13	15	7.7	---	---	---
23	7.0	83	40	13	22	119	12	15	7.4	---	---	---
24	162	25	28	13	26	314	13	14	7.5	---	---	---
25	37	12	58	12	290	193	14	25	8.1	---	---	---
26	11	7.6	85	11	89	263	12	19	8.8	---	---	---
27	8.7	25	45	11	45	117	11	15	8.8	---	---	---
28	2.8	17	77	12	30	72	11	14	13	---	---	---
29	3.5	9.7	265	12	---	52	10	15	21	---	---	---
30	4.8	7.4	73	42	---	43	9.3	13	8.6	---	---	---
31	4.6	---	45	20	---	39	---	13	---	---	---	---
Total	301.3	443.3	1,978.6	744	1,395.3	3,090	493.3	545.9	433.0	---	---	---
Mean	9.72	14.8	63.8	24.0	49.8	99.7	16.4	17.6	14.4	---	---	---
Max	162	83	397	125	290	314	36	64	59	---	---	---
Min	1.3	3.3	5.7	11	8.4	20	9.3	9.1	7.4	---	---	---
Ac-ft	598	879	3,920	1,480	2,770	6,130	978	1,080	859	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	5.32	7.89	30.5	30.5	34.5	41.5	23.7	11.2	6.13	2.60	1.99	2.66
Max	9.72	14.8	74.5	55.8	49.8	99.7	84.9	17.6	14.4	4.66	2.77	3.72
(WY)	(2011)	(2011)	(2006)	(2005)	(2011)	(2011)	(2006)	(2011)	(2011)	(2005)	(2005)	(2007)
Min	3.10	5.43	8.32	9.00	21.3	5.75	6.59	5.10	1.84	1.38	0.79	1.08
(WY)	(2008)	(2010)	(2009)	(2009)	(2005)	(2008)	(2008)	(2007)	(2008)	(2009)	(2009)	(2010)

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SUMMARY STATISTICS

	Calendar Year 2010		Water Years 2004 - 2011	
Annual total	6,349.55			
Annual mean	17.4		14.9	
Highest annual mean			29.8	2006
Lowest annual mean			8.93	2007
Highest daily mean	397	Dec 18	934	Dec 31, 2005
Lowest daily mean	0.88	Sep 12	0.53	Aug 30, 2009
Annual seven-day minimum	0.98	Sep 10	0.66	Aug 26, 2009
Maximum peak flow			3,470	Dec 31, 2005
Maximum peak stage			9.86	Dec 31, 2005
Annual runoff (ac-ft)	12,590		10,760	
10 percent exceeds	39		30	
50 percent exceeds	7.6		5.7	
90 percent exceeds	1.6		1.7	

