

Water-Data Report 2013

11452901 Cache Creek Total Flow from Settling Basin, near Woodland, CA

Sacramento River Basin

LOCATION.--Lat 38°40'43", long 121°40'18" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec.30, T.10 N., R.3 E., Yolo County, CA, Hydrologic Unit 18020109, on right bank, 0.10 mi north of railroad trestle, 0.37 mi north of Interstate 5, and 5.0 mi east of Woodland.

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT DISCHARGE: February 2009 to current year (storm season only).

REMARKS.--This is a combined site in the Cache Creek Settling Basin Study and is concerned only with the collection of records during times of flow.

Discharge and suspended-sediment discharge for station Cache Creek Total Flow from Settling Basin (station 11452901) is a summation of values from Cache Creek Overflow Weir from Settling Basin (station 11452800) and Cache Creek Outflow from Settling Basin (station 11452900).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SEDIMENT LOAD: Maximum daily, 20,800 tons, Dec. 24, 2012; minimum daily, 0 ton, June 8, 2010.

EXTREMES FOR CURRENT YEAR.--

SEDIMENT LOAD: Maximum daily, 20,800 tons, Dec. 24; minimum daily, 2.0 ton, Mar. 28-30.

11452901 Cache Creek Total Flow from Settling Basin, near Woodland, CA—Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Mean	Mean	Sediment	Mean	Mean	Sediment	Mean	Mean	Sediment
	discharge	concentration	discharge	discharge	concentration	discharge	discharge	concentration	discharge
	(ft ³ /s)	(mg/L)	(tons/day)	(ft ³ /s)	(mg/L)	(tons/day)	(ft ³ /s)	(mg/L)	(tons/day)
	December			January			February		
1	314	---	135	1,300	---	791	420	---	902
2	347	---	171	1,300	---	792	375	---	707
3	1,730	---	4,960	1,310	---	796	218	---	259
4	805	---	1,350	1,190	---	695	150	---	61
5	548	---	94	878	---	423	118	---	31
6	628	---	121	644	---	249	110	---	24
7	528	---	100	504	---	163	103	---	19
8	324	---	52	435	---	121	107	---	17
9	252	---	37	354	---	80	97	---	15
10	226	---	31	305	---	54	99	---	16
11	213	---	28	278	---	41	97	---	16
12	203	---	26	263	---	34	89	---	15
13	188	---	23	244	---	28	86	---	14
14	176	---	20	221	---	21	87	---	15
15	176	---	19	198	---	15	84	---	14
16	180	---	18	190	---	13	80	---	13
17	182	---	17	192	---	14	79	---	12
18	180	---	20	171	---	9.3	73	---	10
19	181	---	31	153	---	6.7	85	---	14
20	176	---	75	167	---	9.2	80	---	15
21	173	---	123	170	---	11	71	---	13
22	453	---	420	164	---	11	68	---	11
23	2,190	---	2,840	167	---	7.0	68	---	10
24	5,710	---	20,800	151	---	5.7	62	---	8.8
25	1,960	---	2,790	164	---	6.1	39	---	4.5
26	1,370	---	1,080	155	---	5.6	29	---	3.1
27	1,320	---	845	143	---	5.1	26	---	5.9
28	1,050	---	403	132	---	4.7	26	---	6.3
29	1,330	---	737	133	---	10	---	---	---
30	1,420	---	839	272	---	504	---	---	---
31	1,300	---	778	439	---	1,060	---	---	---
Total	25,833	---	38,983	12,387	---	5,985.4	3,026	---	2,251.6

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**SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY)
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Mean discharge (ft ³ /s)	March		April		
		Mean concentration (mg/L)	Sediment discharge (tons/day)	Mean discharge (ft ³ /s)	Mean concentration (mg/L)	Sediment discharge (tons/day)
1	25	---	5.9	20	---	---
2	25	---	5.7	0.23	---	---
3	23	---	5.1	0.23	---	---
4	23	---	4.9	2.5	---	---
5	22	---	4.6	0.22	---	---
6	28	---	6.3	0.23	---	---
7	33	---	7.7	0.23	---	---
8	40	---	9.6	0.23	---	---
9	43	---	10	0.23	---	---
10	37	---	6.6	0.23	---	---
11	34	---	5.2	0.23	---	---
12	31	---	4.2	0.23	---	---
13	30	---	3.7	0.23	---	---
14	24	---	3.0	0.23	---	---
15	14	---	1.8	0.23	---	---
16	13	---	1.7	0.23	---	---
17	13	---	1.9	0.38	---	---
18	13	---	2.1	0.25	---	---
19	13	---	2.3	0.22	---	---
20	15	---	2.8	0.56	---	---
21	13	---	2.3	0.35	---	---
22	13	---	2.3	0.61	---	---
23	13	---	2.2	---	---	---
24	13	---	2.2	---	---	---
25	13	---	2.1	---	---	---
26	13	---	2.1	---	---	---
27	13	---	2.1	---	---	---
28	13	---	2.0	---	---	---
29	13	---	2.0	---	---	---
30	13	---	2.0	---	---	---
31	31	---	4.8	---	---	---
Total	660	---	121.2	---	---	---

	Total discharge (ft ³ /s)	Total suspended sediment discharge (tons)
Period	41,906	47,341.2