

Water-Data Report 2013

384041121402601 Cache Creek Settling Basin Site C near Woodland, CA

Sacramento River Basin

LOCATION.--Lat 38°40'41", long 121°40'26" 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 South Levee above riprap, at right bank of low-flow channel, 0.08 mi north of River Road, and 5.2 mi east of Woodland.

DRAINAGE AREA.--Drainage area below gage 11452500 (Cache Creek at Yolo, CA) is indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 2009 to current year (seasonal stage only).

GAGE.--Water-stage recorder. Elevation of gage is 45.86 ft above NAVD of 1988 (levels by California Department of Water Resources).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 35.60 ft, Dec. 24, 2012.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 35.60 ft, Dec. 24. No peaks occurred outside period of published records during this water year.

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 2010 to current year.

REMARKS.--Sample data collected for the Cache Creek Settling Basin Study.

**PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 1 of 2

[mg/L, milligrams per liter; mm, millimeters; °C, degrees Celsius; A, average]

Sample date-time	Number of sampling points, count (00063)	Stream velocity, feet per second (00055)	Temperature, water, °C (00010)	Sampling method (82398)	Sampler type (84164)	Suspended sediment concentration, mg/L (80154)	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)	Latitude of sample location, degrees-minutes-seconds (91110)
01-03-2013 1221	1	0.06	6.4	Single vertical	Sampler US DH-48	11	90	384051.5
01-03-2013 1315	1	.10	6.4	Single vertical	Sampler US DH-48	41	93	384103.1
01-03-2013 1316	1	.10	6.4	Single vertical	Sampler US DH-48	A 74	A 96	384103.1
01-03-2013 1317	1	.10	6.4	Single vertical	Sampler US DH-48	106	97	384103.1
01-03-2013 1330	1	.11	6.4	Single vertical	Sampler US DH-48	83	98	384117.1
01-03-2013 1331	1	.11	6.4	Single vertical	Sampler US DH-48	A 65	A 96	384117.1
01-03-2013 1332	1	.11	6.4	Single vertical	Sampler US DH-48	47	94	384117.1
01-03-2013 1349	1	.05	6.4	Single vertical	Sampler US DH-48	85	97	384131.8
01-03-2013 1350	1	.05	6.4	Single vertical	Sampler US DH-48	A 84	A 97	384131.8
01-03-2013 1351	1	.05	6.4	Single vertical	Sampler US DH-48	82	97	384131.8
01-03-2013 1405	1	.06	6.4	Single vertical	Sampler US DH-48	32	96	384145.8

**PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 2 of 2

[mg/L, milligrams per liter; mm, millimeters; °C, degrees Celsius; A, average]

Sample date-time	Longitude of sample location, degrees-minutes-seconds (dddmmss) (91111)
01-03-2013 1221	1214,026.0
01-03-2013 1315	1214,029.5
01-03-2013 1316	1214,029.5
01-03-2013 1317	1214,029.5
01-03-2013 1330	1214,031.9
01-03-2013 1331	1214,031.9
01-03-2013 1332	1214,031.9
01-03-2013 1349	1214,032.8
01-03-2013 1350	1214,032.8
01-03-2013 1351	1214,032.8
01-03-2013 1405	1214,034.5

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PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 1 of 3

[ft³/s, cubic feet per second; mm, millimeters]

Sample date-time	Number of sampling points, count (00063)	Discharge, instantaneous, ft ³ /s (00061)	Sampling method (82398)	Sampler type (84164)	Temperature, specific gravity measurement, degrees Celsius (72012)	Density, water, deionized and deaired, at specific gravity test-temperature, grams per cubic centimeter (72211)	Specific gravity (72013)	Bulk density, soil, dry, grams per cubic centimeter (49982)
04-10-2013 1335	1	0.00	Point sample	Bed mat-scoop shovel	20.0	0.99820	2.75	1.37
04-10-2013 1345	1	.00	Point sample	Bed mat-scoop shovel	20.0	.99820	2.78	1.38
04-10-2013 1401	1	.00	Point sample	Bed mat-scoop shovel	20.0	.99820	2.81	1.80
04-10-2013 1425	1	.00	Point sample	Bed mat-scoop shovel	20.0	.99820	2.76	1.46
04-10-2013 1444	1	.00	Point sample	Bed mat-scoop shovel	20.0	.99820	2.79	1.53

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 2 of 3

[ft³/s, cubic feet per second; mm, millimeters]

Sample date-time	Porosity, soil or solids, fraction (72212)	Bed sediment, fall diameter (deionized water), percent smaller than 0.001 mm (69027)	Bed sediment, fall diameter (deionized water), percent smaller than 0.002 mm (80294)	Bed sediment, fall diameter (deionized water), percent smaller than 0.004 mm (80157)	Bed sediment, fall diameter (deionized water), percent smaller than 0.008 mm (80293)	Bed sediment, fall diameter (deionized water), percent smaller than 0.016 mm (80282)	Bed sediment, fall diameter (deionized water), percent smaller than 0.031 mm (80283)	Bed sediment, dry sieved, sieve diameter, percent smaller than 0.0625 mm (80164)	Bed sediment, dry sieved, sieve diameter, percent smaller than 0.125 mm (80165)
04-10-2013 1335	0.50	26	40	60	83	93	94	95	96
04-10-2013 1345	.50	30	43	59	78	92	98	99	99
04-10-2013 1401	.36	29	38	51	64	75	85	92	99
04-10-2013 1425	.47	33	42	57	71	84	93	96	98
04-10-2013 1444	.45	30	38	51	65	80	92	97	99

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PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 3 of 3

[ft³/s, cubic feet per second; mm, millimeters]

Sample date-time	Bed	Bed	Bed	Bed	Latitude of sample location, degrees- minutes- seconds (ddmmss) (91110)	Longitude of sample location, degrees- minutes- seconds (dddmmss) (91111)
	sediment, dry sieved, sieve diameter, percent smaller than 0.25 mm (80166)	sediment, dry sieved, sieve diameter, percent smaller than 0.5 mm (80167)	sediment, dry sieved, sieve diameter, percent smaller than 1 mm (80168)	sediment, dry sieved, sieve diameter, percent smaller than 2 mm (80169)		
04-10-2013 1335	97	98	99	100	384051.5	1214,026.0
04-10-2013 1345	100	--	--	--	384103.1	1214,029.5
04-10-2013 1401	100	--	--	--	384117.1	1214,031.9
04-10-2013 1425	99	100	--	--	384131.8	1214,032.8
04-10-2013 1444	99	99	100	--	384145.8	1214,034.5