

11113000 Sespe Creek near Fillmore, CA

Santa Clara River Basin

LOCATION.--Lat 34°26'30", long 118°55'35" referenced to North American Datum of 1927, in SE ¼ NW ¼ SE ¼ sec.12, T.4 N., R.20 W., Ventura County, CA, Hydrologic Unit 18070102, on right bank, 0.7 mi downstream from Little Sespe Creek, 2.4 mi north on Grand Avenue from Telegraph Road, and 2.7 mi north of Fillmore.

DRAINAGE AREA.--252 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1911 to September 1913, October 1927 to September 1985, October 1990 to January 1993, October 1993 to current year; combined records of creek and canal, October 1927 to September 1939 monthly only, October 1939 to September 1985, October 1990 to January 1993. Prior to 1935, published as "at Sespe."

CHEMICAL ANALYSES: Water years 1967-81.

SPECIFIC CONDUCTANCE: Water years 1970-80.

WATER TEMPERATURE: Water years 1967-78.

SEDIMENT DATA: Water years 1956-62. 1967-78.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 565 ft above NGVD of 1929, from topographic map. See WSP 1315-B for history of changes prior to Jan. 17, 1946. Oct. 1, 1990, to Jan. 15, 1993, at site 0.5 mi upstream at same elevation. Gage on diversion canal discontinued Jan. 15, 1993.

REMARKS.--Records fair. No regulation upstream from station. Fillmore Irrigation Co. has diverted water 1 mi upstream since September 1911. See schematic diagram of Santa Clara River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 85,300 ft³/s, Jan. 10, 2005, gage height, 20.40 ft, maximum gage height, 24.95 ft, Feb. 25, 1969, from debris wave; no flow at times in some years.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 24	1300	*77	*4.61

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.1	4.1	7.8	6.6	14	11	11	5.1	2.6	1.6	1.8	1.8
2	3.0	4.2	8.0	6.5	14	11	10	4.8	2.6	1.5	2.0	1.9
3	2.9	4.3	8.2	6.4	14	11	9.7	4.4	2.6	1.5	2.0	1.9
4	3.2	4.1	7.3	6.4	13	11	9.4	4.2	2.6	1.6	2.1	1.9
5	3.3	4.0	6.5	6.6	13	11	9.3	4.3	2.9	1.7	1.9	1.8
6	3.5	3.9	6.1	6.9	13	11	9.0	5.4	3.1	1.8	1.7	1.7
7	3.5	4.0	5.8	7.3	13	11	8.7	5.7	3.2	1.8	1.9	1.7
8	3.5	4.4	5.5	7.5	14	22	8.3	5.3	3.1	1.6	1.9	1.9
9	3.6	4.6	5.3	7.7	14	17	8.0	5.4	3.0	1.4	1.9	1.9
10	3.8	4.5	5.1	7.9	13	16	7.8	5.2	2.9	1.4	2.0	2.0
11	4.0	4.4	5.1	7.9	13	15	7.7	5.0	2.8	1.7	2.2	2.2
12	4.0	4.3	5.3	8.3	13	14	7.6	4.5	2.8	1.8	2.2	2.4
13	4.2	4.3	6.3	8.3	13	13	7.6	3.9	2.8	1.8	2.0	2.3
14	4.1	4.1	5.9	8.1	13	13	7.7	3.6	2.9	2.0	2.1	2.3
15	3.8	4.0	5.9	8.2	13	12	7.6	3.6	2.8	1.8	1.9	2.5
16	3.5	4.2	5.7	8.1	12	12	7.6	3.7	2.8	1.6	1.8	2.2
17	3.4	6.6	5.7	8.3	12	12	7.4	3.8	2.6	1.4	1.7	2.0
18	3.6	7.3	6.7	8.0	12	12	7.2	3.8	2.3	1.5	1.7	2.2
19	3.7	5.7	5.9	7.9	13	12	7.0	3.6	2.2	1.4	1.7	2.4
20	3.9	5.1	5.6	7.8	13	12	6.8	3.3	2.2	1.5	1.7	2.6
21	4.4	4.9	5.5	7.8	12	12	6.7	3.1	2.1	1.8	1.8	2.8
22	4.4	4.7	5.6	7.9	12	11	6.4	3.1	2.1	1.9	1.7	2.9
23	4.4	4.5	5.8	8.0	12	11	6.2	3.3	2.2	1.7	1.5	2.8
24	4.3	4.3	9.1	39	12	11	6.2	3.3	2.3	1.6	1.6	2.6
25	4.1	4.3	7.1	23	12	10	6.3	3.1	2.5	1.8	1.6	2.6
26	3.9	4.4	6.8	45	11	10	6.2	3.2	2.6	1.9	1.4	2.7
27	3.8	4.4	6.4	28	11	10	6.0	3.1	2.3	2.0	1.5	2.8
28	3.7	4.7	6.3	22	11	10	5.9	3.0	2.0	2.0	1.6	2.7
29	3.7	11	6.7	18	---	9.9	5.6	2.8	1.8	1.9	1.6	2.6
30	3.8	12	7.1	16	---	9.7	5.2	2.7	1.7	1.9	1.6	2.6
31	3.9	---	6.6	15	---	10	---	2.7	---	1.8	1.7	---
Total	116.0	151.3	196.7	380.4	355	373.6	226.1	122.0	76.4	52.7	55.8	68.7
Mean	3.74	5.04	6.35	12.3	12.7	12.1	7.54	3.94	2.55	1.70	1.80	2.29
Max	4.4	12	9.1	45	14	22	11	5.7	3.2	2.0	2.2	2.9
Min	2.9	3.9	5.1	6.4	11	9.7	5.2	2.7	1.7	1.4	1.4	1.7
Ac-ft	230	300	390	755	704	741	448	242	152	105	111	136

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	8.09	36.2	101	284	488	357	171	56.0	20.5	8.44	4.62	4.25
Max	163	1,285	698	4,097	4,333	2,301	1,632	426	203	90.9	49.3	45.6
(WY)	(2005)	(1966)	(1966)	(2005)	(1998)	(1978)	(1958)	(1998)	(1998)	(1998)	(1998)	(1939)
Min	0.00	0.00	0.00	1.35	4.74	2.82	0.67	0.25	0.00	0.00	0.00	0.00
(WY)	(1913)	(1930)	(1930)	(1948)	(1951)	(1961)	(1961)	(1961)	(1928)	(1928)	(1912)	(1912)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1911 - 2013	
Annual total	6,760.7		2,174.7			
Annual mean	18.5		5.96		126	
Highest annual mean					748	2005
Lowest annual mean					1.78	1951
Highest daily mean	595	Apr 13	45	Jan 26	39,700	Jan 9, 2005
Lowest daily mean	2.9	Oct 3	1.4	Jul 9	0.00	Jul 11, 1912
Annual seven-day minimum	3.1	Sep 15	1.5	Aug 23	0.00	Jul 11, 1912
Maximum peak flow			77	Jan 24	85,300	Jan 10, 2005
Maximum peak stage			4.61	Jan 24	^a 24.95	Feb 25, 1969
Instantaneous low flow					0.00	Jul 11, 1912
Annual runoff (ac-ft)	13,410		4,310		91,450	
10 percent exceeds	31		12		176	
50 percent exceeds	6.6		4.3		12	
90 percent exceeds	3.5		1.8		0.20	

^a From debris wave.

