

1130. Sespe Creek near Fillmore, Calif.

Location.--Lat 34°27'03", long 118°55'30", in NE¼NW¼NE¼ sec.12, T.4 N., R.20 W., on right bank 0.1 mile downstream from Little Sespe Creek and 3.5 miles north of Fillmore.

Drainage area.--254 sq mi.

Records available.--September 1911 to September 1913, October 1927 to September 1959. Prior to November 1934, published as "at Sespe."

Gage.--Water-stage recorder. Altitude of gage is 580 ft (from topographic map). Prior to Sept. 30, 1913, staff gage and Oct. 1, 1927, to Nov. 4, 1934, water-stage recorder, at site 3 miles downstream at different datum. Nov. 5, 1934, to Mar. 2, 1938, water-stage recorder at same site at different datum (destroyed by flood; reestablished at present datum Feb. 2, 1939).

Average discharge.--32 years (1927-59), 94.9 cfs (68,700 acre-ft per year); median of yearly mean discharges, 48 cfs (34,800 acre-ft per year). Average combined discharge, creek and canal, 32 years (1927-59), 101 cfs (73,120 acre-ft per year); median of combined yearly mean discharges, 50 cfs (36,200 acre-ft per year).

Extremes.--Maximum discharge during year, 8,280 cfs Feb. 16 (gage height, 11.56 ft, from high-water mark); minimum daily, 0.1 cfs July 21-24, 26, Aug. 15-17, 21-25. 1927-59: Maximum discharge, 56,000 cfs Mar. 2, 1938, on basis of slope-area measurement of peak flow; no flow at times in most years.

Remarks.--Records good. Discharge measurements generally made twice a month. Fillmore Irrigation Co. diverts water 1 mile above station. For records of combined discharge of Sespe Creek and canal, see following page. Records of suspended sediment loads for the water year 1959 are given in WSP 1644.

Cooperation.--Three discharge measurements furnished by Ventura County Water Resources Division.

Revisions (water years).--WSP 901: 1938-39.

Discharge, in cubic feet per second, water year October 1958 to September 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	3.2	5.3	4.1	11	118	24	23	1.9	0.3	0.2	0.3
2	1.3	3.2	4.8	5.8	11	118	23	21	1.5	.3	.2	.3
3	1.1	3.2	4.5	6.8	11	115	23	18	1.5	.3	.2	.4
4	1.1	3.2	4.5	6.8	11	111	23	16	1.5	.2	.2	.6
5	1.3	3.2	5.3	13	9.9	104	23	16	1.5	.3	.2	.6
6	1.3	2.9	5.3	784	9.2	92	22	13	1.5	.3	.2	.5
7	1.5	7.6	5.3	118	9.2	92	22	11	1.1	.3	5.0	.5
8	1.5	11	4.9	64	9.9	86	20	12	1.1	.3	8.0	.6
9	1.7	11	11	43	11	80	19	11	1.1	.5	8.0	.6
10	1.7	11	16	36	16	77	20	11	1.1	.5	4.6	.5
11	1.5	13	11	33	1,180	69	20	9.9	.8	.3	.3	.4
12	1.5	15	7.4	33	221	66	19	9.9	.8	.3	.3	20
13	1.5	15	4.9	30	108	59	19	9.2	.8	.3	.3	18
14	.9	14	3.8	27	65	54	18	8.6	.8	.3	.2	7.0
15	.8	13	3.8	26	55	52	17	8.0	.8	.3	.1	.5
16	.6	13	3.8	26	3,680	49	17	7.4	.8	.3	.1	.2
17	.5	12	3.8	24	970	45	17	7.4	.8	.3	.1	.2
18	.5	9.9	3.8	23	339	43	17	6.8	.8	.3	2.0	.2
19	.5	8.0	3.8	23	252	41	17	5.5	.6	.3	2.1	.2
20	.5	6.8	3.8	22	180	38	17	2.4	.6	.2	.2	.3
21	.5	6.8	3.8	20	278	38	16	1.9	.6	.1	.1	.4
22	.5	6.8	3.8	19	258	38	15	1.7	.5	.1	.1	.3
23	.6	6.8	4.1	19	204	38	14	1.1	.5	.1	.1	.3
24	.9	5.8	4.9	19	172	36	12	1.3	.5	.1	.1	.3
25	2.4	5.3	5.8	19	152	31	28	4.5	.4	.2	.1	.3
26	3.5	5.3	4.9	19	136	31	112	4.5	.4	.1	.4	.3
27	3.5	5.3	4.5	18	129	30	86	4.5	.4	.2	.5	.4
28	3.5	4.9	4.5	18	126	28	49	4.9	.4	.2	.5	.5
29	3.5	4.9	4.1	13	-	28	38	4.9	.3	.3	.5	.6
30	3.2	5.3	4.1	11	-----	28	30	3.5	.3	.3	.5	.6
31	3.2	-----	4.1	11	-----	26	-----	1.9	-----	.2	.4	-----
Total	48.1	236.4	165.5	1,534.5	8,614.2	1,861	797	259.8	25.7	7.7	35.8	55.9
Mean	1.55	7.68	5.34	49.5	308	60.0	26.6	8.38	0.86	0.25	1.15	1.86
Ac-ft	95	469	328	3,040	17,090	3,690	1,580	515	51	15	71	111

Calendar year 1958: Max 11,700 Min 0.5 Mean 289 Ac-ft 209,600
 Water year 1958-59: Max 3,680 Min 0.1 Mean 37.4 Ac-ft 27,060

Peak discharge (base, 1,300 cfs).--Jan. 6 (3 a.m.) 2,440 cfs (8.89 ft); Feb. 11 (7 a.m.) 2,900 cfs (9.38 ft); Feb. 16 (3 p.m.) 8,280 cfs (11.56 ft).

1130. Sespe Creek near Fillmore, Calif.--Continued

Combined discharge, in cubic feet per second, of Sespe Creek and Fillmore Irrigation Co.'s canal near Fillmore, Calif., water year October 1958 to September 1959

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	13	15	15	20	121	36	31	14	5.1	3.6	3.5
2	12	13	16	15	20	121	35	28	14	4.9	3.6	3.6
3	11	13	16	16	19	116	35	27	12	4.7	3.6	3.8
4	11	13	16	16	19	111	34	26	12	4.5	3.6	4.0
5	11	13	16	19	19	104	34	26	12	4.5	3.6	3.9
6	11	12	16	784	19	93	33	24	11	4.4	3.7	3.7
7	12	11	16	118	19	93	33	23	10	4.4	7.0	3.7
8	12	14	16	64	20	87	33	23	9.7	4.3	8.5	3.8
9	13	16	15	43	21	81	33	23	9.5	4.1	5.4	3.8
10	13	16	17	36	27	78	31	22	9.3	4.0	7.2	3.6
11	12	15	17	33	1,160	69	30	21	8.8	4.0	3.6	3.4
12	12	15	16	34	221	69	29	21	8.6	4.0	3.6	2.9
13	12	15	16	31	109	68	28	20	8.3	4.1	3.7	1.8
14	11	14	15	28	66	63	28	20	8.2	4.1	3.7	9.3
15	11	13	15	27	56	61	28	19	7.8	4.2	3.6	4.1
16	11	13	15	27	3,680	56	28	17	7.6	4.2	3.6	3.8
17	10	14	15	25	970	54	28	17	7.2	4.2	3.7	4.1
18	10	15	15	24	339	53	27	18	7.1	4.2	5.0	4.1
19	10	16	15	24	253	51	26	16	6.6	4.2	5.7	4.3
20	10	15	16	24	161	46	27	14	6.4	4.1	4.2	4.4
21	10	15	16	23	278	48	26	14	6.3	4.1	4.0	4.4
22	10	15	16	22	258	48	25	14	5.9	4.2	3.9	4.3
23	12	15	16	23	205	48	23	13	5.7	4.2	3.6	4.2
24	12	16	16	22	174	46	23	13	5.6	4.0	3.5	4.1
25	14	16	16	22	155	44	35	16	5.5	3.9	3.5	4.1
26	14	16	16	22	139	44	112	16	5.4	3.6	3.8	4.0
27	14	16	16	21	152	42	86	16	5.4	3.7	4.0	4.1
28	14	16	16	21	129	39	49	17	5.6	3.7	4.0	4.2
29	14	16	16	20	-	39	36	16	5.7	3.8	3.9	4.2
30	13	15	16	20	-----	39	34	16	5.3	3.8	3.6	4.2
31	13	-----	16	20	-----	39	-----	14	-----	3.7	3.5	-----
Total	367	435	490	1,639	8,728	2,075	1,069	601	246.5	128.9	136.5	157.7
Mean	11.8	14.5	15.8	52.9	312	66.9	35.6	19.4	8.22	4.16	4.40	5.26
Ac-ft	728	863	972	3,250	17,310	4,120	2,120	1,190	489	256	271	313
Calendar year 1958: Max			11,700	Min	10	Mean	297	Ac-ft	214,800			
Water year 1958-59: Max			3,680	Min	3.4	Mean	44.0	Ac-ft	31,880			

