



Water-Data Report 2009

## 11114495 Matilija Creek near Reservoir, near Matilija Hot Springs, CA

Ventura River Basin

LOCATION.--Lat 34°30'10", long 119°21'23" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.23, T.5 N., R.24 W., Ventura County, CA, Hydrologic Unit 18070101, on left bank, 3.4 mi upstream from Matilija Reservoir, 1.4 mi upstream of discontinued station (11114500), and 7.2 mi northwest of Ojai.

DRAINAGE AREA.--47.8 mi<sup>2</sup>.

### **SURFACE-WATER RECORDS**

PERIOD OF RECORD.--February 2002 to current year.

WATER TEMPERATURE: Water years 2002-04.

SEDIMENT DATA: Water years 2002-04.

REVISED RECORDS.--WDR-US 2009: 2003 (maximum discharge).

GAGE.--Water-stage recorder. Elevation of gage is 1,380 ft above NGVD of 1929, from topographic map.

COOPERATION.--Station constructed, maintained, and operated in cooperation with the Ventura County Watershed Protection District.

REMARKS.--Records fair. No regulation or diversion upstream from gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,780 ft<sup>3</sup>/s, Feb. 21 2005, gage height, 12.42 ft; minimum daily discharge, 0.03 ft<sup>3</sup>/s, July 5, 2007.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 118 ft<sup>3</sup>/s, Feb. 16, gage height, 4.18 ft; minimum daily discharge, 0.81 ft<sup>3</sup>/s, Sept. 28 and 30.

REVISIONS.--The maximum discharge for the water year 2003 has been revised to 767 ft<sup>3</sup>/s, Mar. 15, 2003, gage height 7.98 ft.

## 11114495 Matilija Creek near Reservoir, near Matilija Hot Springs, CA—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.6	3.3	3.2	6.5	5.7	18	8.8	6.0	3.7	2.5	1.6	1.2
2	2.6	3.1	3.4	6.4	5.7	17	8.5	5.9	3.7	2.5	1.7	1.3
3	2.6	3.1	3.5	6.4	5.6	17	8.4	5.7	3.7	2.4	1.6	1.2
4	2.8	2.9	3.5	6.4	5.6	18	8.5	5.7	3.6	2.4	1.6	1.2
5	2.8	2.9	3.6	6.3	5.7	17	8.3	5.7	3.6	2.4	1.6	1.2
6	2.7	2.9	3.6	6.1	7.3	16	8.2	5.7	3.6	2.3	1.6	1.2
7	2.5	2.9	3.6	6.0	12	15	8.5	5.7	3.5	2.2	1.6	1.2
8	2.5	3.1	3.6	5.9	13	15	8.7	5.5	3.4	2.2	1.6	1.2
9	2.6	3.1	3.6	5.7	13	15	8.5	5.5	3.4	2.0	1.6	1.1
10	2.7	3.1	3.6	5.6	12	14	8.3	5.4	3.3	2.0	1.5	1.1
11	2.8	3.0	3.6	5.6	12	14	8.4	5.3	3.3	2.0	1.4	1.0
12	2.8	3.0	3.7	5.6	11	14	8.1	5.2	3.3	2.0	1.4	1.1
13	2.8	3.1	3.8	5.5	12	13	7.7	5.0	3.3	1.9	1.4	1.1
14	2.8	3.1	3.8	5.4	12	13	7.5	4.9	3.3	1.9	1.5	1.0
15	2.8	3.2	4.5	5.3	11	12	7.6	4.9	3.3	1.9	1.5	1.0
16	2.8	3.1	4.1	5.2	58	12	7.4	4.9	3.3	1.8	1.5	1.0
17	2.7	3.0	4.1	5.0	62	11	7.3	4.8	3.3	1.8	1.5	0.97
18	2.7	3.0	4.2	5.1	45	11	7.0	4.7	3.1	1.8	1.4	0.96
19	2.8	3.0	4.2	5.1	34	11	6.6	4.4	3.1	1.8	1.4	0.94
20	2.8	3.0	4.3	5.1	29	11	6.5	4.3	3.1	1.7	1.3	0.94
21	2.7	3.0	4.5	5.0	26	11	6.3	4.2	3.1	1.7	1.3	0.89
22	2.7	3.0	4.7	5.1	24	11	6.2	4.2	3.0	1.7	1.3	0.89
23	2.7	3.0	4.7	5.1	23	11	6.1	4.1	2.9	1.7	1.3	0.88
24	2.8	2.9	4.9	5.3	23	11	6.1	4.0	2.8	1.6	1.3	0.85
25	2.9	3.1	6.0	5.4	22	10	6.2	4.0	2.8	1.7	1.2	0.82
26	2.9	3.5	6.4	5.4	20	9.8	6.3	3.9	2.8	1.7	1.2	0.82
27	2.9	3.2	6.7	5.4	20	9.7	6.3	3.8	2.8	1.7	1.2	0.82
28	2.8	3.2	6.7	5.6	19	9.4	6.2	3.7	2.7	1.7	1.2	0.81
29	2.9	3.2	6.7	5.6	---	9.4	6.2	3.8	2.5	1.7	1.2	0.82
30	2.8	3.3	6.6	5.8	---	9.2	6.0	3.8	2.5	1.7	1.2	0.81
31	3.0	---	6.5	5.8	---	9.1	---	3.7	---	1.6	1.2	---
<b>Total</b>	85.3	92.3	139.9	173.7	548.6	394.6	220.7	148.4	95.8	60.0	43.9	30.32
<b>Mean</b>	2.75	3.08	4.51	5.60	19.6	12.7	7.36	4.79	3.19	1.94	1.42	1.01
<b>Max</b>	3.0	3.5	6.7	6.5	62	18	8.8	6.0	3.7	2.5	1.7	1.3
<b>Min</b>	2.5	2.9	3.2	5.0	5.6	9.1	6.0	3.7	2.5	1.6	1.2	0.81
<b>Ac-ft</b>	169	183	277	345	1,090	783	438	294	190	119	87	60

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2009, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	3.29	3.49	19.9	176	133	42.2	47.2	19.0	9.70	5.26	3.55	2.56
<b>Max</b>	5.76	7.49	110	789	667	175	204	42.9	24.1	12.8	9.80	6.31
<b>(WY)</b>	(2006)	(2006)	(2005)	(2005)	(2005)	(2005)	(2006)	(2006)	(2006)	(2006)	(2005)	(2005)
<b>Min</b>	0.90	1.02	2.65	4.49	6.59	5.15	5.86	2.56	1.61	0.94	0.65	0.70
<b>(WY)</b>	(2008)	(2008)	(2004)	(2004)	(2007)	(2002)	(2004)	(2007)	(2007)	(2007)	(2007)	(2004)

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SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 2002 – 2009	
Annual total	19,533.5		2,033.52			
Annual mean	53.4		5.57		43.3	
Highest annual mean					155	2005
Lowest annual mean					4.32	2007
Highest daily mean	3,560	Jan 27	62	Feb 17	5,950	Jan 9, 2005
Lowest daily mean	2.4	Sep 6	0.81	Sep 28	0.03	Jul 5, 2007
Annual seven-day minimum	2.5	Sep 1	0.82	Sep 24	0.17	Jun 30, 2007
Maximum peak flow			118	Feb 16	8,780	Feb 21, 2005
Maximum peak stage			4.18	Feb 16	12.42	Feb 21, 2005
Instantaneous low flow			0.75	Sep 27		
Annual runoff (ac-ft)	38,740		4,030		31,340	
10 percent exceeds	65		11		50	
50 percent exceeds	4.7		3.6		5.1	
90 percent exceeds	2.6		1.3		1.1	

