



Water-Data Report 2007

**11465500 Mark West Creek near Windsor, CA**

Russian River Basin

LOCATION.--Lat 38°30'34", long 122°46'07" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.29, T.8 N., R.8 W., Sonoma County, CA, Hydrologic Unit 18010110, on upstream right bank of Fulton Road bridge, 3.6 mi southeast of Windsor, and 4.8 mi upstream of confluence with Laguna de Santa Rosa.

DRAINAGE AREA.--43.0 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 2006 to April 2007 (seasonal).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 140 ft above NGVD of 1929, from topographical map.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation or diversion upstream of station. See schematic diagram of Russian River Basin available from the California Water Science Center.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Dec 26	2030	*1,950	*130.54

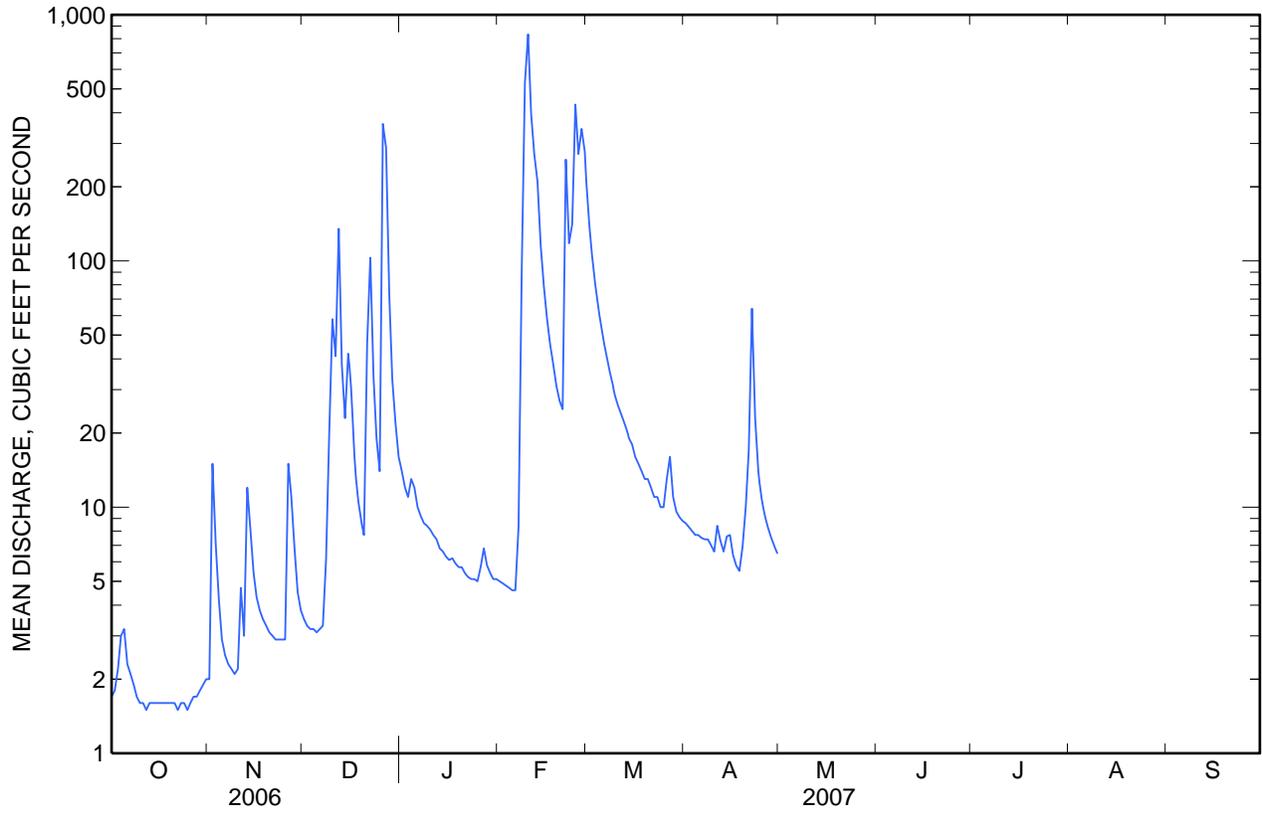
## 11465500 Mark West Creek near Windsor, CA—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e1.7	2.0	3.5	14	5.0	164	8.6	---	---	---	---	---
2	e1.8	15	3.3	12	4.9	115	8.3	---	---	---	---	---
3	e2.2	7.1	3.2	11	4.8	87	8.0	---	---	---	---	---
4	e3.0	4.2	3.2	13	4.7	69	7.7	---	---	---	---	---
5	e3.2	2.9	3.1	12	4.6	57	7.7	---	---	---	---	---
6	2.3	2.5	3.2	10	4.6	47	7.5	---	---	---	---	---
7	2.1	2.3	3.3	9.2	8.3	40	7.4	---	---	---	---	---
8	1.9	2.2	6.1	8.6	91	35	7.4	---	---	---	---	---
9	1.7	2.1	20	8.4	529	31	7.0	---	---	---	---	---
10	1.6	2.2	58	8.1	832	27	6.6	---	---	---	---	---
11	1.6	4.7	41	7.7	396	25	8.4	---	---	---	---	---
12	1.5	3.0	135	7.4	271	23	7.3	---	---	---	---	---
13	1.6	12	38	6.8	210	21	6.6	---	---	---	---	---
14	1.6	8.1	23	6.6	116	19	7.6	---	---	---	---	---
15	1.6	5.4	42	6.3	79	18	7.7	---	---	---	---	---
16	1.6	4.3	29	6.1	59	16	6.4	---	---	---	---	---
17	1.6	3.8	16	6.2	46	15	5.8	---	---	---	---	---
18	1.6	3.5	11	5.9	38	14	5.5	---	---	---	---	---
19	1.6	3.3	9.1	5.7	31	13	6.9	---	---	---	---	---
20	1.6	3.1	7.7	5.7	27	13	10	---	---	---	---	---
21	1.6	3.0	46	5.4	25	12	17	---	---	---	---	---
22	1.5	2.9	103	5.2	258	11	64	---	---	---	---	---
23	1.6	2.9	34	5.1	118	11	23	---	---	---	---	---
24	1.6	2.9	19	5.1	141	10	14	---	---	---	---	---
25	1.5	2.9	14	5.0	432	10	11	---	---	---	---	---
26	1.6	15	360	5.7	272	13	9.3	---	---	---	---	---
27	1.7	11	288	6.8	344	16	8.3	---	---	---	---	---
28	1.7	6.8	73	5.8	278	11	7.6	---	---	---	---	---
29	1.8	4.5	33	5.4	---	9.6	7.0	---	---	---	---	---
30	1.9	3.8	22	5.1	---	9.1	6.5	---	---	---	---	---
31	2.0	---	16	5.1	---	8.8	---	---	---	---	---	---

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## WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 2006 to May 2007 (storm season only).

SEDIMENT DATA: November 2006 to May 2007 (storm season only).

REMARKS.--Periodic suspended sediment sampling only.

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

[Remark codes: &lt;, less than.]

Date	Time	Instan- taneous dis- charge, cfs (00061)	Temper- ature, water, deg C (00010)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Suspnd. sedi- ment, sieve diametr percent <.125mm (70332)	Suspnd. sedi- ment, sieve diametr percent <.25mm (70333)	Suspnd. sedi- ment, sieve diametr percent <.5 mm (70334)
<b>Nov</b>									
<b>03...</b>	1043	8.8	--	4	.10	81	84	92	100
<b>Dec</b>									
<b>08...</b>	1258	3.3	6.5	<.5	<.01	50	--	--	--
<b>Jan</b>									
<b>12...</b>	1035	7.3	4.0	<.5	<.01	67	--	--	--
<b>Feb</b>									
<b>13...</b>	1145	197	9.5	15	8.0	93	97	98	100
<b>Apr</b>									
<b>12...</b>	0810	7.5	12.5	1	.02	75	--	--	--
<b>20...</b>	1233	9.5	14.0	2	.05	86	--	--	--
<b>May</b>									
<b>04...</b>	1218	7.5	15.0	2	.04	75	--	--	--