



Water-Data Report 2007

**11466065 Brush Creek at Santa Rosa, CA**

Russian River Basin

LOCATION.--Lat 38°27'18", long 122°40'45" referenced to North American Datum of 1927, Sonoma County, CA, Hydrologic Unit 18010110, in Cabeza de Santa Rosa Grant, on right bank, 50 ft upstream of State Highway 12, in Santa Rosa.

DRAINAGE AREA.--10.1 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--November 2002 to May 2005 (seasonal stage only). October 2005 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--Records good. Gage is for local flood management information and is operated seasonally from October 1 to April 30. 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 800 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Dec 26	1800	*1,020	*215.77
No other peak greater than base discharge			

## 11466065 Brush Creek at Santa Rosa, 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	0.07	0.09	0.47	3.6	0.50	30	0.69	---	---	---	---	---
2	0.07	35	0.39	2.7	0.46	20	0.65	---	---	---	---	---
3	0.06	0.98	0.36	2.8	0.41	14	0.60	---	---	---	---	---
4	0.07	0.27	0.29	4.3	0.41	10	0.57	---	---	---	---	---
5	3.5	0.18	0.27	2.4	0.42	8.3	0.58	---	---	---	---	---
6	0.24	0.16	0.25	1.8	0.41	6.6	0.57	---	---	---	---	---
7	0.11	0.16	0.23	1.6	15	5.7	0.67	---	---	---	---	---
8	0.10	0.16	1.7	1.4	102	4.8	0.60	---	---	---	---	---
9	0.09	0.15	44	1.3	257	3.9	0.51	---	---	---	---	---
10	0.09	0.18	27	1.2	339	3.3	0.50	---	---	---	---	---
11	0.09	4.3	47	1.0	103	2.8	4.5	---	---	---	---	---
12	0.10	0.40	74	0.83	123	2.4	1.0	---	---	---	---	---
13	0.11	17	9.2	0.84	52	2.1	0.63	---	---	---	---	---
14	0.12	2.6	11	0.64	22	1.9	3.2	---	---	---	---	---
15	0.13	0.64	18	0.64	12	1.6	0.86	---	---	---	---	---
16	0.14	1.0	5.1	0.64	8.2	1.3	0.62	---	---	---	---	---
17	0.14	0.59	2.4	0.64	5.9	1.2	0.53	---	---	---	---	---
18	0.13	e0.35	1.4	0.59	4.6	1.1	0.49	---	---	---	---	---
19	0.11	e0.29	0.90	0.58	3.5	1.5	2.3	---	---	---	---	---
20	0.11	e0.24	0.72	0.55	2.6	1.0	8.8	---	---	---	---	---
21	0.11	e0.23	55	0.51	2.6	0.94	30	---	---	---	---	---
22	0.10	e0.27	18	0.52	117	0.90	57	---	---	---	---	---
23	0.09	0.42	5.3	0.46	18	0.82	4.6	---	---	---	---	---
24	0.09	0.35	2.8	0.49	77	0.77	2.5	---	---	---	---	---
25	0.10	0.33	1.9	0.49	118	0.85	1.9	---	---	---	---	---
26	0.08	28	229	1.8	98	9.0	1.5	---	---	---	---	---
27	0.08	10	88	2.8	166	1.5	1.2	---	---	---	---	---
28	0.08	1.2	22	0.58	71	0.91	1.0	---	---	---	---	---
29	0.07	0.72	11	0.53	---	0.82	0.86	---	---	---	---	---
30	0.09	0.56	7.0	0.52	---	0.76	0.77	---	---	---	---	---
31	0.09	---	4.9	0.50	---	0.71	---	---	---	---	---	---
<b>Total</b>	6.56	106.82	689.58	39.25	1,720.01	141.48	130.20	---	---	---	---	---
<b>Mean</b>	0.21	3.56	22.2	1.27	61.4	4.56	4.34	---	---	---	---	---
<b>Max</b>	3.5	35	229	4.3	339	30	57	---	---	---	---	---
<b>Min</b>	0.06	0.09	0.23	0.46	0.41	0.71	0.49	---	---	---	---	---
<b>Ac-ft</b>	13	212	1,370	78	3,410	281	258	---	---	---	---	---

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2006 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	0.39	3.00	66.6	21.1	41.5	31.3	22.3	2.19	---	---	---	---
<b>Max</b>	0.56	3.56	111	40.8	61.4	58.1	40.2	2.19	---	---	---	---
<b>(WY)</b>	(2006)	(2007)	(2006)	(2006)	(2007)	(2006)	(2006)	(2006)	(---)	(---)	(---)	(---)
<b>Min</b>	0.21	2.43	22.2	1.27	21.5	4.56	4.34	2.19	---	---	---	---
<b>(WY)</b>	(2007)	(2006)	(2007)	(2007)	(2006)	(2007)	(2007)	(2006)	(---)	(---)	(---)	(---)

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SUMMARY STATISTICS

Water Years 2006 - 2007		
Highest daily mean	713	Dec 31, 2005
Lowest daily mean	0.01	Oct 5, 2005
Annual seven-day minimum	0.02	Oct 5, 2005
Maximum peak flow	2,390	Dec 31, 2005
Maximum peak stage	219.99	Dec 31, 2005

