



Water-Data Report 2008

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 mi².

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 except for estimated daily discharges, which are fair. 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 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 4	1030	*1,290	*216.75
Jan 25	1900	1,100	216.07

11466065 Brush Creek at Santa Rosa, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.03	0.41	0.22	1.6	95	4.0	0.37	---	---	---	---	---
2	0.03	0.41	0.25	1.4	172	3.1	0.28	---	---	---	---	---
3	0.03	0.39	0.28	164	147	2.4	0.24	---	---	---	---	---
4	0.03	0.35	18	615	52	2.1	0.22	---	---	---	---	---
5	0.02	0.34	0.80	245	31	1.8	0.23	---	---	---	---	---
6	0.02	0.36	26	110	22	1.4	0.23	---	---	---	---	---
7	0.02	0.43	45	58	17	1.3	0.23	---	---	---	---	---
8	0.03	0.44	e1.8	190	13	1.2	0.32	---	---	---	---	---
9	0.31	0.38	e1.1	73	10	1.1	0.30	---	---	---	---	---
10	26	5.9	e0.94	46	8.3	0.91	0.25	---	---	---	---	---
11	0.35	11	0.77	21	6.8	0.80	0.22	---	---	---	---	---
12	40	0.58	0.63	13	5.8	0.76	0.18	---	---	---	---	---
13	1.4	0.42	0.57	8.8	5.1	0.83	0.17	---	---	---	---	---
14	0.45	0.40	0.54	6.5	4.1	0.67	0.18	---	---	---	---	---
15	0.37	0.35	0.52	5.0	3.5	1.4	0.15	---	---	---	---	---
16	20	0.34	1.3	3.9	3.1	0.67	0.17	---	---	---	---	---
17	3.6	0.33	5.2	3.0	2.9	0.51	0.16	---	---	---	---	---
18	0.62	0.32	118	2.5	2.7	0.57	0.16	---	---	---	---	---
19	14	0.35	39	2.1	7.1	0.49	0.16	---	---	---	---	---
20	4.1	0.36	161	1.8	4.9	0.44	0.15	---	---	---	---	---
21	0.74	0.30	14	5.6	7.6	0.49	0.16	---	---	---	---	---
22	0.54	0.27	4.9	3.0	36	0.51	1.2	---	---	---	---	---
23	0.46	0.26	2.7	2.1	28	0.47	3.1	---	---	---	---	---
24	0.43	0.24	2.0	2.6	205	0.43	0.66	---	---	---	---	---
25	0.41	0.27	1.6	370	39	0.37	0.44	---	---	---	---	---
26	0.36	0.25	1.3	277	18	0.32	0.42	---	---	---	---	---
27	0.37	0.26	3.4	159	10	0.29	0.40	---	---	---	---	---
28	0.37	0.25	5.6	64	7.1	1.4	0.39	---	---	---	---	---
29	0.37	0.24	4.6	60	5.1	1.1	0.35	---	---	---	---	---
30	0.41	0.25	2.7	40	---	0.37	0.30	---	---	---	---	---
31	0.42	---	2.0	201	---	0.36	---	---	---	---	---	---
Total	116.29	26.45	466.72	2,755.9	969.1	32.56	11.79	---	---	---	---	---
Mean	3.75	0.88	15.1	88.9	33.4	1.05	0.39	---	---	---	---	---
Max	40	11	161	615	205	4.0	3.1	---	---	---	---	---
Min	0.02	0.24	0.22	1.4	2.7	0.29	0.15	---	---	---	---	---
Ac-ft	231	52	926	5,470	1,920	65	23	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2006 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.51	2.29	49.4	43.7	38.7	21.2	15.0	2.19	---	---	---	---
Max	3.75	3.56	111	88.9	61.4	58.1	40.2	2.19	---	---	---	---
(WY)	(2008)	(2007)	(2006)	(2008)	(2007)	(2006)	(2006)	(2006)	(---)	(---)	(---)	(---)
Min	0.21	0.88	15.1	1.27	21.5	1.05	0.39	2.19	---	---	---	---
(WY)	(2007)	(2008)	(2008)	(2007)	(2006)	(2008)	(2008)	(2006)	(---)	(---)	(---)	(---)

11466065 Brush Creek at Santa Rosa, CA—Continued

SUMMARY STATISTICS

Water Years 2006 - 2008		
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

