Water-Data Report 2012

11466170 Matanzas Creek at Santa Rosa, CA

Russian River Basin

LOCATION.--Lat 38°26′20″, long 122°42′05″ referenced to North American Datum of 1927, Sonoma County, CA, Hydrologic Unit 18010110, in Cabeza de Santa Rosa Grant, on right bank, 5 ft downstream of bridge on Brookwood Avenue, in Santa Rosa.

DRAINAGE AREA.--21.0 mi^2.

SURFACE-WATER RECORDS

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

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

REMARKS.--Records good except for estimated discharges, which are fair. Gage is for local flood studies and is normally operated seasonally from Oct. 1 to Apr. 30. See schematic diagram of Russian River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,700 ft^3/s, Dec. 31, 2005, gage height 169.40 ft; minimum daily discharge, 0.01 ft^3/s, Oct. 1, 9-11, 2009.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 850 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 16	1430	*925	*160.88

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 11466170, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/11466170.2012.pdf

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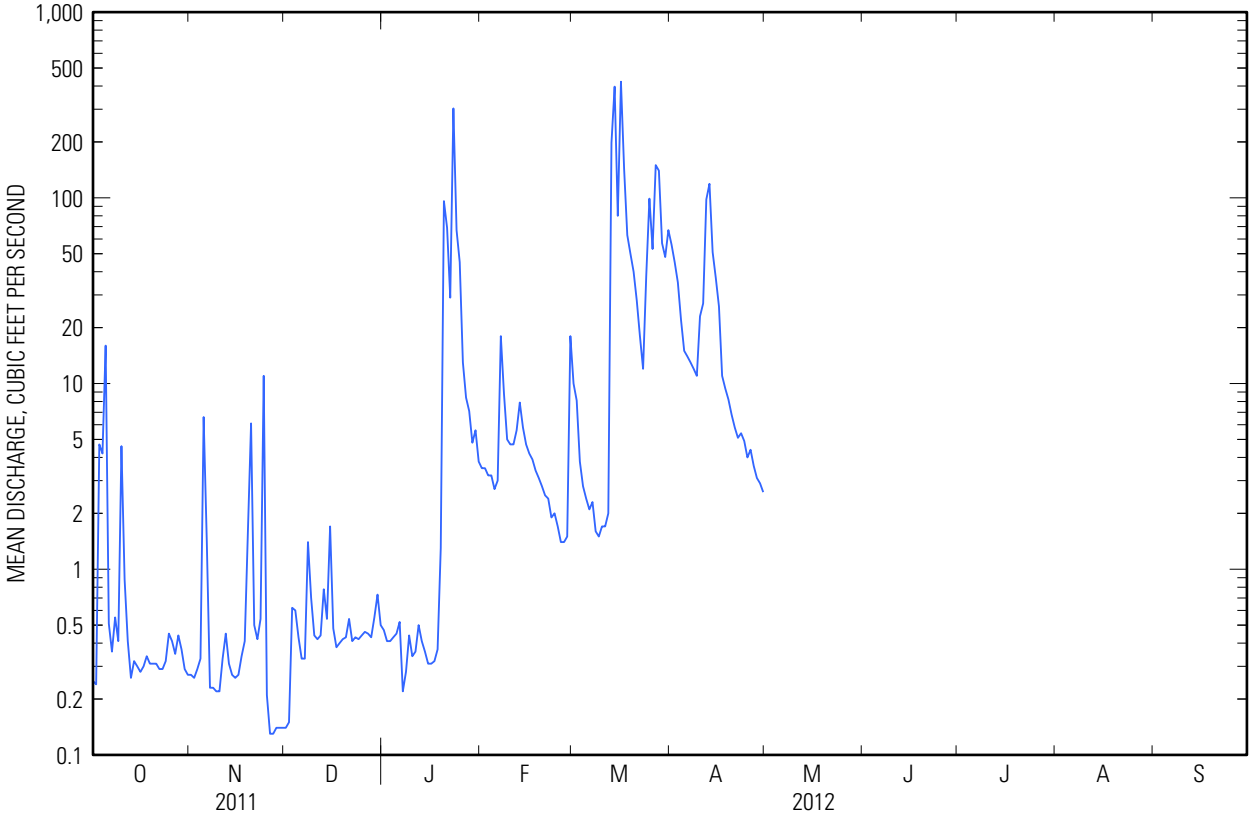
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.25	0.27	0.14	0.47	3.5	10	56	---	---	---	---	---
2	0.24	0.26	0.15	0.41	3.5	8.1	45	---	---	---	---	---
3	4.7	0.29	0.62	0.41	3.2	3.8	35	---	---	---	---	---
4	4.2	0.33	0.60	0.43	3.2	2.8	22	---	---	---	---	---
5	16	6.6	0.43	0.45	2.7	2.4	15	---	---	---	---	---
6	0.51	1.4	0.33	0.52	3.0	2.1	14	---	---	---	---	---
7	0.36	0.23	0.33	0.22	18	2.3	13	---	---	---	---	---
8	0.55	0.23	1.4	0.28	8.8	1.6	12	---	---	---	---	---
9	0.41	0.22	0.70	0.44	5.0	1.5	11	---	---	---	---	---
10	4.6	0.22	0.44	0.34	4.7	1.7	23	---	---	---	---	---
11	0.88	0.33	0.42	0.36	4.7	1.7	27	---	---	---	---	---
12	0.41	0.45	0.44	0.50	5.6	2.0	98	---	---	---	---	---
13	0.26	0.31	0.78	0.41	7.9	198	119	---	---	---	---	---
14	0.32	0.27	0.54	0.36	5.8	397	51	---	---	---	---	---
15	0.30	0.26	1.7	0.31	4.7	80	37	---	---	---	---	---
16	0.28	0.27	0.48	0.31	4.2	422	26	---	---	---	---	---
17	0.30	0.34	0.38	0.32	3.9	143	11	---	---	---	---	---
18	0.34	0.41	0.40	0.37	3.4	63	9.4	---	---	---	---	---
19	0.31	1.6	0.42	1.3	3.1	50	8.2	---	---	---	---	---
20	0.31	6.1	0.43	96	2.8	40	6.8	---	---	---	---	---
21	0.31	0.50	0.54	69	2.5	e28	5.8	---	---	---	---	---
22	0.29	0.42	0.41	29	2.4	e18	5.1	---	---	---	---	---
23	0.29	0.54	0.43	303	1.9	12	5.4	---	---	---	---	---
24	0.32	11	0.42	67	2.0	38	4.9	---	---	---	---	---
25	0.45	0.21	0.44	45	1.7	99	4.0	---	---	---	---	---
26	0.41	0.13	0.46	13	1.4	53	4.4	---	---	---	---	---
27	0.35	0.13	0.45	8.4	1.4	150	3.6	---	---	---	---	---
28	0.44	0.14	0.43	7.1	1.5	140	3.1	---	---	---	---	---
29	0.37	0.14	0.55	4.8	18	57	2.9	---	---	---	---	---
30	0.29	0.14	0.73	5.6	---	48	2.6	---	---	---	---	---
31	0.27	---	0.50	3.8	---	67	---	---	---	---	---	---
Total	39.32	33.74	16.49	659.91	134.5	2,143.0	681.2	---	---	---	---	---
Mean	1.27	1.12	0.53	21.3	4.64	69.1	22.7	---	---	---	---	---
Max	16	11	1.7	303	18	422	119	---	---	---	---	---
Min	0.24	0.13	0.14	0.22	1.4	1.5	2.6	---	---	---	---	---
Ac-ft	78	67	33	1,310	267	4,250	1,350	---	---	---	---	---

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