



Water-Data Report 2007

11255575 Panoche Creek at Interstate 5, near Silver Creek, CA

San Joaquin River Basin

LOCATION.--Lat 36°39'09", long 120°37'52" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.2, T.15 S., R.12 E., Fresno County, CA, Hydrologic Unit 18040001, on left bank, at downstream side of Interstate Highway 5 bridge over Panoche Creek, 7.3 mi southwest of Silver Creek Township, and 11.8 mi east of Panoche.

DRAINAGE AREA.--305 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1997 to current year (seasonal records only). Record is published seasonally, Dec. 1 to June 30 of each water year. Peak discharges determined for entire year.

GAGE.--Water-stage recorder. Datum of gage is 450 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. No known regulation or diversions upstream of station. A gravel operation located about 1 mile upstream of gage excavates the dry stream bed each season. This creates a large depression which traps an unknown volume of water and sediment before it reaches the gage location.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,940 ft³/s, Feb. 3, 1998, gage height, 13.46 ft, from rating curve extended above 1,500 ft³/s, on the basis of slope-area measurement of peak flow; no flow for many days each year.

PEAK DISCHARGES FOR CURRENT YEAR.-- No peaks greater than 150 ft³/s occurred outside of period of published record during this water year. Peak discharges greater than base discharge of 150 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 07	1615	*0.43	*4.52

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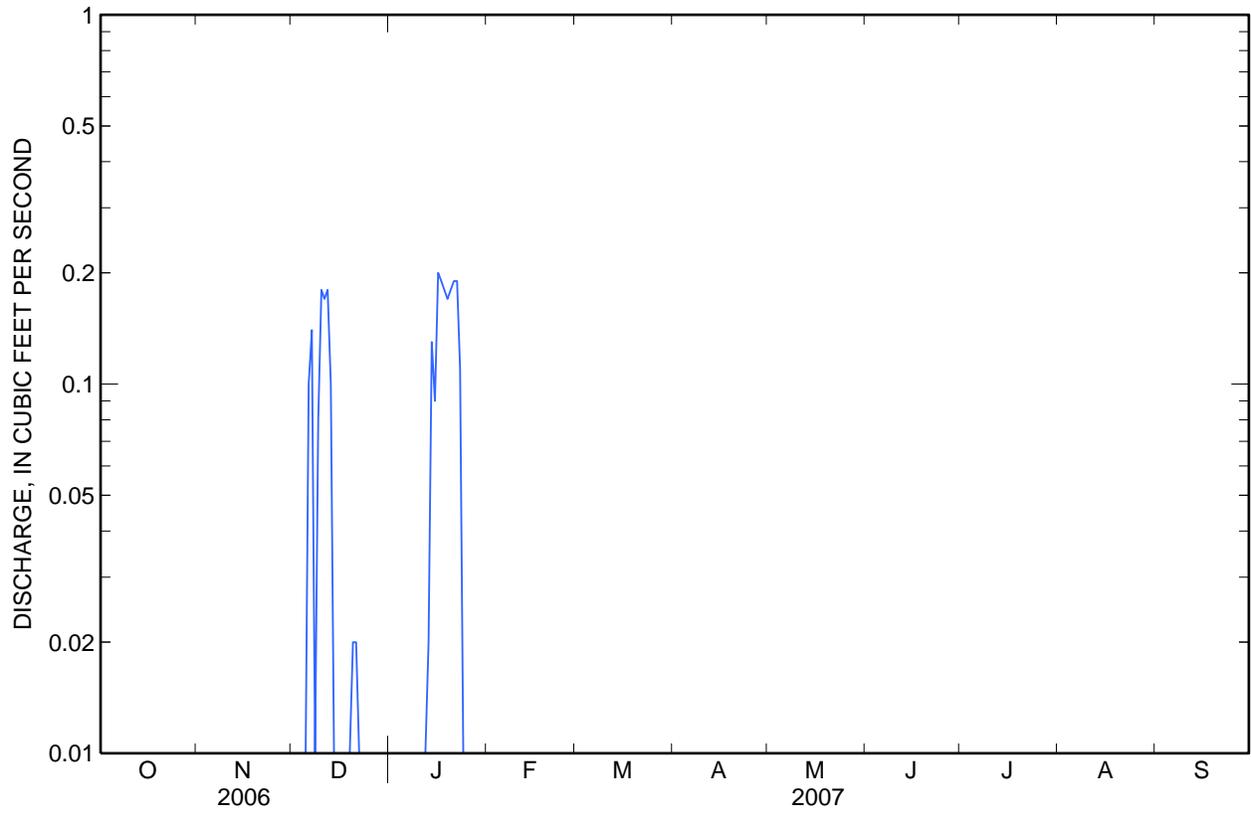
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
2	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
3	---	---	0.01	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
4	---	---	0.01	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
5	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
6	---	---	0.10	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
7	---	---	0.14	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
8	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
9	---	---	0.08	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
10	---	---	0.18	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
11	---	---	0.17	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
12	---	---	0.18	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
13	---	---	0.10	0.02	0.00	0.00	0.00	0.00	0.00	---	---	---
14	---	---	0.00	0.13	0.00	0.00	0.00	0.00	0.00	---	---	---
15	---	---	0.00	0.09	0.00	0.00	0.00	0.00	0.00	---	---	---
16	---	---	0.00	0.20	0.00	0.00	0.00	0.00	0.00	---	---	---
17	---	---	0.00	0.19	0.00	0.00	0.00	0.00	0.00	---	---	---
18	---	---	0.00	0.18	0.00	0.00	0.00	0.00	0.00	---	---	---
19	---	---	0.01	0.17	0.00	0.00	0.00	0.00	0.00	---	---	---
20	---	---	0.02	0.18	0.00	0.00	0.00	0.00	0.00	---	---	---
21	---	---	0.02	0.19	0.00	0.00	0.00	0.00	0.00	---	---	---
22	---	---	0.00	0.19	0.00	0.00	0.00	0.00	0.00	---	---	---
23	---	---	0.00	0.11	0.00	0.00	0.00	0.00	0.00	---	---	---
24	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
25	---	---	0.00	0.01	0.00	0.00	0.00	0.00	0.00	---	---	---
26	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
27	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
28	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
29	---	---	0.00	0.00	---	0.00	0.00	0.00	0.00	---	---	---
30	---	---	0.00	0.00	---	0.00	0.00	0.00	0.00	---	---	---
31	---	---	0.00	0.00	---	0.00	---	0.00	---	---	---	---
Total	---	---	1.02	1.66	0.00	0.00	0.00	0.00	0.00	---	---	---
Mean	---	---	0.03	0.05	0.00	0.00	0.00	0.00	0.00	---	---	---
Max	---	---	0.18	0.20	0.00	0.00	0.00	0.00	0.00	---	---	---
Min	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
Ac-ft	---	---	2.0	3.3	0.00	0.00	0.00	0.00	0.00	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	---	2.06	3.21	34.1	3.58	2.49	0.48	0.46	---	---	---
Max	---	---	18.6	26.4	316	23.2	13.5	4.26	1.81	---	---	---
(WY)	(---	(---	(2005)	(2005)	(1998)	(2001)	(2006)	(1998)	(1999)	(---	(---	(---
Min	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
(WY)	(---	(---	(1998)	(2000)	(2001)	(2002)	(2000)	(2000)	(2007)	(---	(---	(---

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

CHEMICAL DATA: Water years 1998 to current year.

SEDIMENT DATA: Water years 1998 to current year.

REMARKS.--There were no observations of bedload movement during current year.

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

[Remark codes: <, less than.]

Date	Time	Number of sam- pling points, count (00063)	Instan- taneous dis- charge, cfs (00061)	Bed	Bed	Bed	Bed	Bed	Bed	Bed	Bed	Bed	Bed
				sediment, dry svd sve dia percent <.063mm (80164)	sediment, dry svd sve dia percent <.125mm (80165)	sediment, dry svd sve dia percent <.25mm (80166)	sediment, dry svd sve dia percent <.5 mm (80167)	sediment, dry svd sve dia percent <1 mm (80168)	sediment, dry svd sve dia percent <2 mm (80169)	sediment, dry svd sve dia percent <4 mm (80170)	sediment, dry svd sve dia percent <8 mm (80171)	sediment, dry svd sve dia percent <16 mm (80172)	sediment, dry svd sve dia percent <32 mm (80173)
Oct													
05...	1247	1	.00	1	2	10	48	79	91	97	99	100	--
05...	1249	1	.00	<1	1	8	41	72	84	91	97	99	100
05...	1250	1	.00	1	2	10	43	70	81	89	96	100	--
05...	1251	1	.00	<1	1	8	40	67	79	89	96	100	--
05...	1252	1	.00	10	34	78	94	98	100	--	--	--	--
05...	1253	1	.00	6	24	70	96	98	99	100	--	--	--
05...	1255	1	.00	2	9	32	60	75	79	83	89	96	100
05...	1256	1	.00	<1	1	9	31	53	66	74	82	92	100
05...	1258	1	.00	1	4	28	66	89	96	98	99	100	--

SUMMARY OF WATER AND SEDIMENT DISCHARGE
DECEMBER 2006 TO JUNE 2007

Month	Water discharge (CFS-days)	Suspended sediment discharge (tons)	Estimated bedload discharge (tons)	Estimated total sediment discharge (tons)
December 2006	1.02	0.11	1	1
January 2007	1.66	0.24	2	2
February	0	0	0	0
March	0	0	0	0
April	0	0	0	0
May	0	0	0	0
June	0	0	0	0
Period	2.68	0.35	3	3