11230215 South Fork San Joaquin River below Hooper Creek, near Florence Lake, CA

San Joaquin River Basin

LOCATION.--Lat 37°18′35″, long 118°57′40″ referenced to North American Datum of 1927, Fresno County, CA, Hydrologic Unit 18040006, unsurveyed, in Sierra National Forest, on right bank, 0.1 mi downstream from Hooper Creek, 3.5 mi downstream from Florence Lake Dam, and 17 mi northeast of town of Big Creek.

DRAINAGE AREA.--184 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1978 to September 1997, October 1998 to current year. October 1946 to September 1978, operated as a low-flow station only, in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder, Parshall flume, and concrete control. Datum of gage is 6,949.41 ft above NGVD of 1929 (levels by Southern California Edison Co.).

COOPERATION.--Records were collected by Southern California Edison Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project nos. 67 and 120.

REMARKS.--Flow regulated by Florence Lake (station 11229600) 3.5 mi upstream, and Hooper Creek Diversion Dam (capacity less than 2 acre-ft) 0.7 mi upstream. Most of the water is diverted at Florence Lake to Ward Tunnel (station 11229500). See schematic diagram of upper San Joaquin River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft^3/s, estimated, June 2, 2005, gage height unknown; minimum daily, 3.9 ft^3/s, Oct. 24, 1979.

11230215 South Fork San Joaquin River below Hooper Creek, near Florence Lake, CA—Continued

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

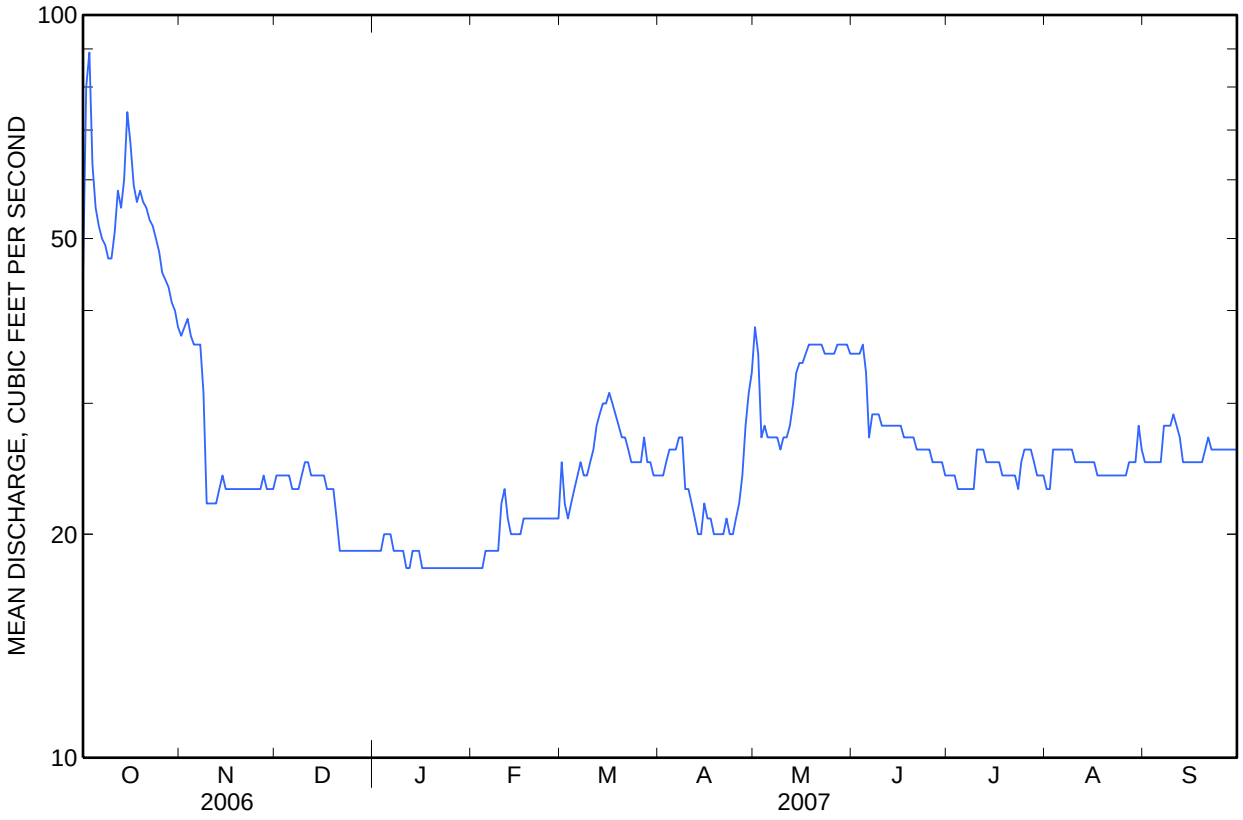
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	44	37	24	e19	e18	25	24	38	35	24	23	25
2	80	38	24	e19	e18	22	24	35	35	24	23	25
3	89	39	24	e19	e18	21	25	27	35	24	26	25
4	63	37	24	e20	e18	22	26	28	36	23	26	25
5	55	36	24	e20	e19	23	26	27	33	23	26	25
6	52	36	23	e20	e19	24	26	27	27	23	26	25
7	50	36	23	e19	19	25	27	27	29	23	26	28
8	49	31	23	e19	19	24	27	27	29	23	26	28
9	47	22	24	e19	19	24	23	26	29	23	26	28
10	47	22	25	e19	22	25	23	27	28	26	25	29
11	51	22	25	e18	23	26	22	27	28	26	25	28
12	58	22	24	e18	21	28	21	28	28	26	25	27
13	55	23	24	e19	20	29	20	30	28	25	25	25
14	60	24	24	e19	20	30	20	33	28	25	25	25
15	74	23	24	e19	20	30	22	34	28	25	25	25
16	67	23	24	e18	20	31	21	34	28	25	25	25
17	59	23	e23	e18	21	30	21	35	27	25	24	25
18	56	23	e23	e18	21	29	20	36	27	24	24	25
19	58	23	e23	e18	21	28	20	36	27	24	24	25
20	56	23	e21	e18	21	27	20	36	27	24	24	26
21	55	23	e19	e18	21	27	20	36	26	24	24	27
22	53	23	e19	e18	21	26	21	36	26	24	24	26
23	52	23	e19	e18	21	25	20	35	26	23	24	26
24	50	23	e19	e18	21	25	20	35	26	25	24	26
25	48	23	e19	e18	21	25	21	35	26	26	24	26
26	45	23	e19	e18	21	25	22	35	25	26	24	26
27	44	24	e19	e18	21	27	24	36	25	26	25	26
28	43	e23	e19	e18	21	25	28	36	25	25	25	26
29	41	e23	e19	e18	---	25	31	36	25	24	25	26
30	40	e23	e19	e18	---	24	33	36	24	24	28	26
31	38	---	e19	e18	---	24	---	35	---	24	26	---
Total	1,679	794	682	574	565	801	698	1,009	846	756	772	780
Mean	54.2	26.5	22.0	18.5	20.2	25.8	23.3	32.5	28.2	24.4	24.9	26.0
Max	89	39	25	20	23	31	33	38	36	26	28	29
Min	38	22	19	18	18	21	20	26	24	23	23	25
Ac-ft	3,330	1,570	1,350	1,140	1,120	1,590	1,380	2,000	1,680	1,500	1,530	1,550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	20.3	17.4	16.9	18.5	20.6	26.4	30.6	54.5	377	262	59.1	36.5
Max	54.2	28.7	25.3	53.0	42.6	49.0	59.9	342	2,429	1,799	661	268
(WY)	(2007)	(2001)	(1984)	(1997)	(1986)	(1995)	(2006)	(2006)	(1983)	(1995)	(1983)	(1982)
Min	7.87	11.8	8.93	11.9	12.2	14.5	14.3	20.9	20.5	21.4	13.1	7.19
(WY)	(1980)	(1979)	(1979)	(1979)	(1991)	(2002)	(2002)	(1981)	(1981)	(1981)	(1979)	(1979)

11230215 South Fork San Joaquin River below Hooper Creek, near Florence Lake, CA—Continued

SUMMARY STATISTICS

[e, estimated]

	Calendar Year 2006		Water Year 2007		Water Years 1979 - 2007	
Annual total	78,167		9,956			
Annual mean	214		27.3		78.4	
Highest annual mean					396	1983
Lowest annual mean					18.5	1979
Highest daily mean	3,190	Jun 6	89	Oct 3	5,200	Sep 26, 1982
Lowest daily mean	19	Feb 19	18	Jan 11	3.9	Oct 24, 1979
Annual seven-day minimum	19	Dec 21	18	Jan 16	4.4	Oct 13, 1979
Maximum peak flow			196	Oct 2	[e]10,400	Jun 2, 2005
Maximum peak stage			5.14	Oct 2	unknown	Jun 2, 2005
Annual runoff (ac-ft)	155,000		19,750		56,760	
10 percent exceeds	921		36		49	
50 percent exceeds	40		25		23	
90 percent exceeds	22		19		14