11202710 Middle Fork Tule River below Intake, above Springville, CA

Tulare Lake Basin

LOCATION.--Lat 36°09′41″, long 118°42′31″ referenced to North American Datum of 1927, Tulare County, CA, Hydrologic Unit 18030006, unsurveyed, in Sequoia National Forest, on right bank, 700 ft downstream from confluence of North Fork Middle Fork Tule River and South Fork Middle Fork Tule River, and 6.5 mi northeast of Springville.

DRAINAGE AREA.--85.3 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1988 to September 1990, October 1991 to current year. Prior to October 2002, published as river only, and river and conduit combined.

REVISED RECORDS.--WDR CA-95-3: 1993 (instantaneous maximum discharge).

GAGE.--Water-stage recorder and V-notch sharp-crested weir in concrete control. Elevation of gage is 2,370 ft above NGVD of 1929, from topographic map.

COOPERATION.--Records collected by Southern California Edison Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 372.

REMARKS.--Southern California Edison Co.'s Tule River Conduit diverts from the right bank of Middle Fork Tule River upstream from station. Flow from this conduit passes through Tule River Powerplant of Southern California Edison Co. Diversions are made from powerplant tailrace ditch to Springville Diversion and Duncan Diversion Ditches. Remaining water is returned to the Tule River 1.5 mi upstream from confluence of Middle and North Forks. The record of combined discharges of river and conduit was discontinued September 2002 when the conduit gage location was moved from near the point of diversion (station11202700) to near the powerplant (station 11202838). The conduit-flow records from those two locations may not be equivalent due to gains or losses along the conduit. See schematic diagram of Tule River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,400 ft^3/s, Jan. 2, 1997, gage height, 11.82 ft; minimum daily, 4.8 ft^3/s, Oct. 3, 1996.

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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	11	7.8	8.5	7.3	6.6	28	39	49	11	11	11	12
2	15	7.8	8.4	7.3	6.5	20	45	48	11	11	11	12
3	9.3	7.8	8.4	7.3	6.5	22	47	44	11	11	11	12
4	6.7	7.9	8.4	24	6.5	26	47	40	11	11	11	12
5	6.7	7.9	8.3	36	6.5	28	48	36	11	11	11	12
6	6.5	7.8	8.3	15	6.7	30	49	33	11	11	11	12
7	6.7	7.8	8.3	11	6.7	33	50	31	11	11	13	12
8	6.8	7.7	8.4	9.3	6.7	34	52	51	11	11	15	12
9	7.0	7.7	8.0	8.3	6.9	34	49	66	11	11	15	12
10	7.2	8.0	20	7.4	8.7	33	44	59	11	14	15	12
11	7.2	9.2	9.9	6.7	78	34	41	38	11	13	14	13
12	7.1	11	9.5	6.6	33	38	35	39	11	12	14	13
13	e7.2	19	10	6.5	24	41	33	37	11	11	14	13
14	e7.4	40	11	6.5	17	42	33	36	11	11	14	14
15	e7.4	23	9.6	6.7	13	43	39	34	11	11	14	14
16	7.4	11	10	6.7	12	44	35	34	11	11	14	13
17	7.3	9.8	9.9	6.7	12	44	37	33	11	11	15	14
18	7.7	9.6	7.8	6.8	12	44	32	28	11	11	14	14
19	7.3	9.3	7.8	6.7	25	45	28	23	11	11	14	14
20	7.2	9.0	8.9	6.7	15	53	29	21	11	11	14	15
21	7.1	8.9	10	6.7	13	57	27	22	11	11	14	16
22	7.3	8.8	17	6.6	18	42	43	20	11	11	14	18
23	7.5	8.7	8.3	6.6	21	36	41	17	11	11	14	20
24	7.6	8.7	7.9	6.6	15	35	44	14	11	11	13	18
25	7.7	8.7	7.8	6.5	18	34	52	13	11	11	13	17
26	7.7	8.7	7.7	6.4	16	35	47	12	11	11	13	16
27	7.7	8.7	29	6.4	56	50	45	11	11	11	13	16
28	7.7	8.7	13	6.7	31	41	48	10	11	11	14	15
29	7.7	8.6	8.6	6.5	---	42	53	10	11	11	13	16
30	7.8	8.5	8.1	6.5	---	39	53	9.5	11	11	13	16
31	7.8	---	7.5	6.5	---	38	---	10	---	11	13	---
Total	239.7	316.1	314.3	271.5	497.3	1,165	1,265	928.5	330	347	412	425
Mean	7.73	10.5	10.1	8.76	17.8	37.6	42.2	30.0	11.0	11.2	13.3	14.2
Max	15	40	29	36	78	57	53	66	11	14	15	20
Min	6.5	7.7	7.5	6.4	6.5	20	27	9.5	11	11	11	12
Ac-ft	475	627	623	539	986	2,310	2,510	1,840	655	688	817	843

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	17.0	33.3	35.9	96.4	70.7	97.0	125	163	107	43.1	17.6	15.6
Max	40.9	218	236	976	241	239	309	390	614	303	69.7	41.8
(WY)	(1998)	(2003)	(1997)	(1997)	(1998)	(1995)	(2006)	(1998)	(1998)	(1998)	(1998)	(1998)
Min	5.66	5.72	5.50	6.41	8.21	15.5	32.9	22.6	11.0	11.0	10.8	10.4
(WY)	(2003)	(2001)	(2001)	(1994)	(1990)	(1992)	(1990)	(1992)	(2007)	(2004)	(1996)	(1996)

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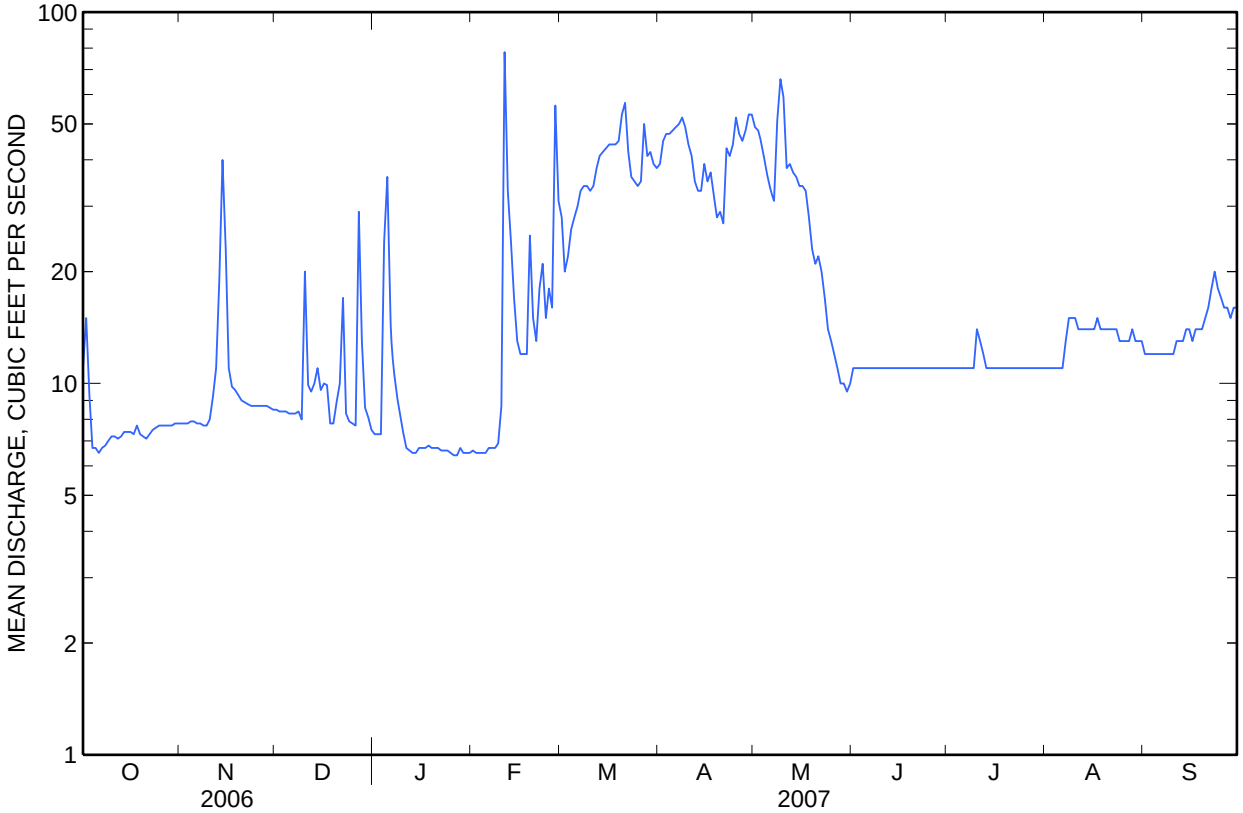
SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1989 - 2007	
Annual total	37,923.1		6,511.4			
Annual mean	104		17.8		68.5	
Highest annual mean					199	1998
Lowest annual mean					15.6	1990
Highest daily mean	759	Apr 4	78	Feb 11	6,030	Jan 3, 1997
Lowest daily mean	6.5	Oct 6	6.4	Jan 26	4.8	Oct 3, 1996
Annual seven-day minimum	6.8	Oct 4	6.5	Jan 25	5.1	Oct 2, 1996
Maximum peak flow			128	Feb 11	19,400	Jan 2, 1997
Maximum peak stage			3.24	Feb 11	11.82	Jan 2, 1997
Annual runoff (ac-ft)	75,220		12,920		49,590	
10 percent exceeds	320		41		173	
50 percent exceeds	56		11		23	
90 percent exceeds	7.8		7.1		6.6