Water-Data Report 2013

11206500 Middle Fork Kaweah River near Potwisha Camp, CA

Tulare Lake Basin

LOCATION.--Lat 36°30′47″, long 118°47′27″ referenced to North American Datum of 1927, in NE ¼ NE ¼ sec.26, T.16 S., R.29 E., Tulare County, CA, Hydrologic Unit 18030007, in Sequoia National Park, on right bank, 0.25 mi below diversion dam, 0.5 mi southeast of Potwisha Camp, 0.7 mi upstream from confluence with Marble Fork Kaweah River, 8.1 mi northeast from Three Rivers, and 30 mi northeast of Visalia.

DRAINAGE AREA.--102 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1949 to current year (since October 2003, low-flow records only). Monthly discharge only, for water years 1956-57, published in WSP 1735. Prior to October 1954, records for river and conduit published separately. October 1954 to September 1955, October 1957 to September 1962, combined flow only; October 1962 to September 2002, river only, and river and conduit combined.
CHEMICAL ANALYSES: Water year 1980.
SPECIFIC CONDUCTANCE: Water years 1980-81.
WATER TEMPERATURE: Water years 1959-63, 1972, 1980-81.

REVISED RECORDS.--WSP 1930: Drainage area.

GAGE.--Water-stage recorder and rectangular flume. Elevation of gage is 2,100 ft above NGVD of 1929, from topographic map. Prior to October 1955, at datum 0.70 ft higher.

COOPERATION.--Records provided by Southern California Edison Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 298.

REMARKS.--Middle Fork Kaweah River Conduit No. 3 diverts from left bank of Middle Fork Kaweah River, 0.1 mi upstream from station. Flow from this conduit joins that of Marble Fork Kaweah River Conduit No. 3 and is returned to Kaweah River 2.7 mi downstream from confluence of Marble and Middle Forks. The record of combined discharges of river and conduit was discontinued September 2002 when the two conduit gages near the points of diversion (stations 11206000 and 11207500, respectively) were replaced with one nonequivalent conduit gage at the powerplant (station 11208565). Beginning October 2003, no records computed above 38 ft^3/s. See schematic diagram of Kaweah River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,800 ft^3/s, Dec. 23, 1955, gage height, 29.0 ft, from floodmarks, datum then in use, on basis of slope-area measurement of peak flow; minimum daily, 0.1 ft^3/s, Nov. 12-15, 1949.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11	16	---	---	---	---	---	---	---	22	19	12
2	11	16	---	---	---	---	---	---	---	17	18	12
3	12	16	---	---	---	---	---	---	---	17	17	12
4	12	16	---	---	---	---	---	---	---	17	17	13
5	12	15	---	---	---	---	---	---	---	17	16	13
6	12	15	---	---	---	---	---	---	---	17	15	12
7	12	15	---	---	---	---	---	---	---	17	15	12
8	12	15	---	---	---	32	---	---	---	17	15	12
9	12	21	---	---	---	31	---	---	---	17	15	11
10	13	21	---	---	---	29	---	---	---	20	15	11
11	13	20	---	---	---	28	---	---	---	23	14	12
12	17	25	---	---	---	---	---	---	---	22	14	12
13	17	23	---	---	---	---	---	---	---	21	13	12
14	15	21	---	---	---	---	---	---	26	19	13	12
15	14	20	---	---	---	---	---	---	27	18	13	12
16	13	---	---	---	---	---	---	---	28	18	12	11
17	13	---	---	---	---	---	---	---	27	---	12	11
18	13	---	---	---	---	---	---	---	25	19	12	11
19	13	---	---	---	---	---	---	---	23	18	13	11
20	13	---	---	---	---	---	---	---	23	17	---	11
21	13	---	---	---	---	---	---	---	23	17	---	11
22	---	---	---	---	---	---	---	---	25	---	25	18
23	---	---	---	---	---	---	---	---	23	26	17	14
24	22	---	---	---	---	---	---	---	22	25	16	13
25	19	37	---	---	---	---	---	---	23	23	14	12
26	20	34	---	---	---	---	---	---	23	21	14	13
27	19	31	---	---	---	---	---	---	23	24	13	14
28	18	---	---	---	---	---	---	---	24	27	13	13
29	17	---	---	---	---	---	---	---	24	24	13	12
30	17	---	---	---	---	---	---	---	26	22	12	12
31	16	---	---	---	---	---	---	---	---	21	12	---
Total	---	---	---	---	---	---	---	---	---	---	---	367
Mean	---	---	---	---	---	---	---	---	---	---	---	12.2
Max	---	---	---	---	---	---	---	---	---	---	---	18
Min	---	---	---	---	---	---	---	---	---	---	---	11
Ac-ft	---	---	---	---	---	---	---	---	---	---	---	728

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2003, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	16.5	31.2	54.3	90.3	102	138	238	437	390	170	46.8	22.4
Max	125	236	732	743	489	504	630	1,178	1,271	786	354	157
(WY)	(1983)	(2003)	(1967)	(1997)	(1986)	(1986)	(1982)	(1969)	(1983)	(1983)	(1983)	(1982)
Min	0.92	1.07	1.08	0.36	0.60	12.8	64.3	78.6	27.1	1.07	2.43	1.56
(WY)	(1962)	(1962)	(1962)	(1961)	(1961)	(1961)	(1976)	(1977)	(1976)	(1961)	(1962)	(1962)

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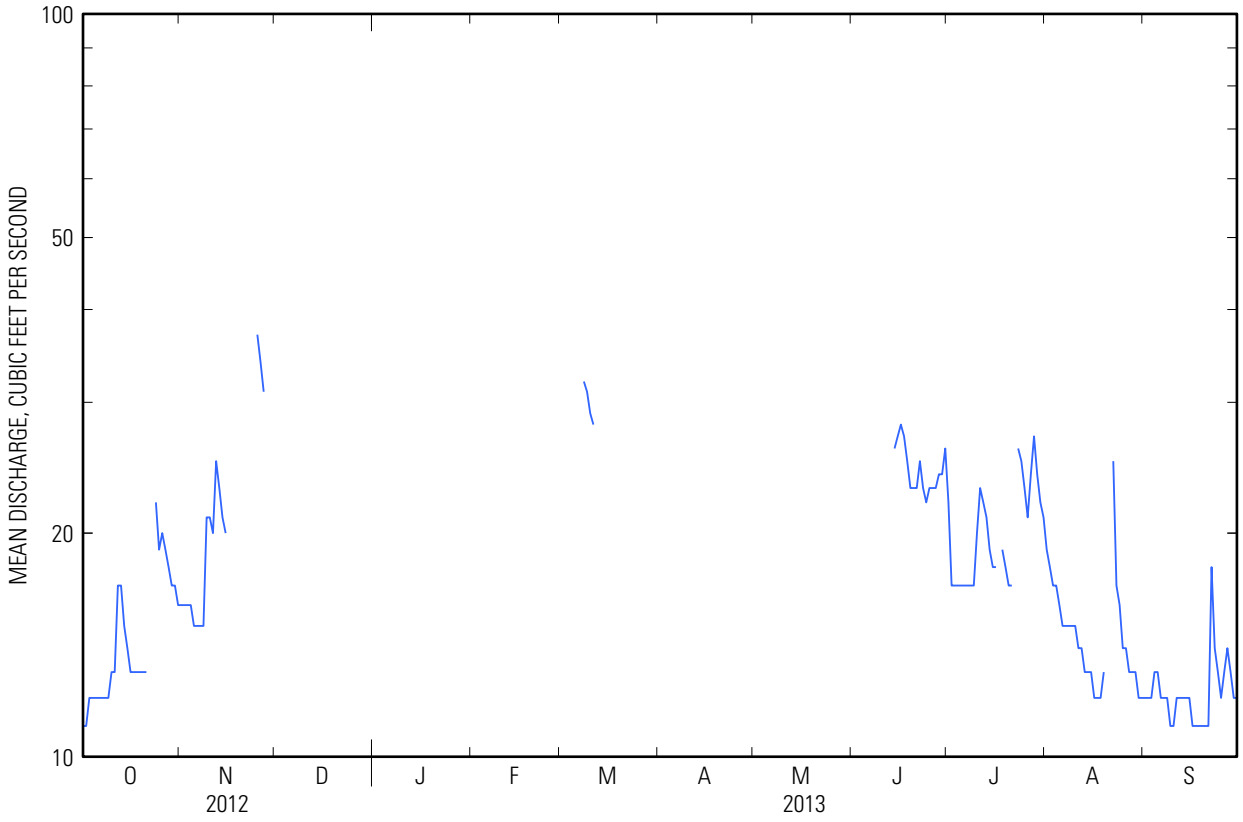
SUMMARY STATISTICS

	Water Years 1961 - 2003	
Annual mean	145	
Highest annual mean	417	1983
Lowest annual mean	25.2	1961
Highest daily mean	10,500	Dec 6, 1966
Lowest daily mean	.30	Dec 27, 1960
Annual seven-day minimum	.30	Dec 27, 1960
Maximum peak flow	46,800	Dec 23, 1955
Maximum peak stage	[a]29.00	Dec 23, 1955
Annual runoff (ac-ft)	104,800	
10 percent exceeds	422	
50 percent exceeds	34	
90 percent exceeds	10	

[a] From Floodmarks.