

## 11215000 North Fork Kings River near Cliff Camp, CA

Tulare Lake Basin

LOCATION.--Lat 36°59'38", long 118°58'49" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.12, T.11 S., R.27 E., Fresno County, CA, Hydrologic Unit 18030010, in Sierra National Forest, on right bank, at Cliff Camp Bridge, 0.6 mi northwest of Cliff Camp, 1.2 mi downstream from Wishon Dam, 2 mi downstream from Woodchuck Creek, and 10 mi northeast of Balch Camp.

DRAINAGE AREA.--181 mi<sup>2</sup>.

### **SURFACE-WATER RECORDS**

PERIOD OF RECORD.--August 1921 to current year (since October 1990, high-flow records only). Monthly discharge only for some periods, published in WSP 1315-A.

REVISED RECORDS.--WSP 1715: 1951, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,143.95 ft above NGVD of 1929 (levels by San Joaquin Light and Power Corp.). Prior to Nov. 24, 1922, at site 1 mi upstream at different datum.

COOPERATION.--Records, including diversion to Haas Powerplant (station 11216050), were provided by Pacific Gas and Electric Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission Project nos. 175 and 1988.

REMARKS.--No records computed below 25 ft<sup>3</sup>/s. Flow regulated since Dec. 5, 1957, by Wishon Reservoir (station 11214800) 1.2 mi upstream, and since Oct. 17, 1958, by Courtright Reservoir (station 11214550). Water diverted for power from Wishon Reservoir by tunnel to Haas Powerplant since Dec. 10, 1958. Monthly chemical, trace-element, biological, and sediment data are available in files of the U.S. Geological Survey and in U.S. Geological Survey Open-File Report 88-479. Also available in the same report are daily maximum, minimum, and mean specific-conductance and water-temperature values. See schematic diagram of Kings River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--(Prior to regulation by Wishon Reservoir) Maximum discharge, 14,000 ft<sup>3</sup>/s, Dec. 11, 1937, gage height, 18.0 ft, from floodmarks, from rating curve extended above 4,200 ft<sup>3</sup>/s, on basis of velocity-area studies.  
From 1957 to 1990, maximum discharge, 5,110 ft<sup>3</sup>/s, Sept. 5, 1978, gage height, 11.96 ft.

EXTREMES FOR CURRENT YEAR.--(Maximum only) Maximum discharge, 885 ft<sup>3</sup>/s, June 12, gage height, 6.64 ft.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	26	---	---	27	34	36	33	31	---	---	---
2	---	26	---	---	27	33	36	33	30	---	---	---
3	---	26	---	---	27	32	38	33	31	---	---	---
4	---	26	---	---	26	33	40	32	31	---	---	---
5	---	26	---	42	26	33	40	31	31	---	---	---
6	---	26	---	29	26	32	41	31	31	---	---	---
7	---	26	26	27	27	32	39	31	31	---	---	---
8	---	26	---	27	28	34	37	30	31	---	---	---
9	---	26	---	26	28	35	35	30	31	---	---	---
10	---	26	---	27	29	36	36	30	32	---	---	---
11	---	26	---	27	29	38	39	29	31	---	---	---
12	---	---	---	27	30	39	43	29	---	---	---	---
13	---	---	---	28	31	47	46	29	---	---	---	---
14	---	---	26	28	30	41	47	28	---	---	---	---
15	---	---	26	28	28	37	42	29	---	---	---	---
16	---	---	---	28	28	34	39	29	---	---	---	---
17	---	---	---	28	29	32	39	31	---	---	---	---
18	---	---	---	27	29	34	39	32	---	---	---	---
19	---	---	---	27	29	37	38	32	---	---	---	---
20	---	---	---	27	29	38	36	33	---	---	---	26
21	---	---	---	27	28	39	35	33	---	---	---	26
22	---	---	---	26	28	40	34	33	---	---	---	26
23	---	---	---	27	28	41	35	34	---	---	---	27
24	---	---	---	27	28	43	35	34	---	---	---	27
25	---	---	---	26	27	44	35	35	---	---	---	27
26	---	---	---	27	28	46	36	35	---	---	---	28
27	---	---	---	33	29	43	37	35	---	---	---	28
28	---	---	---	30	31	43	38	35	---	---	---	28
29	26	---	---	28	33	43	37	33	---	---	---	28
30	26	---	---	27	---	40	35	32	---	---	---	28
31	26	---	---	27	---	37	---	32	---	---	---	---
<b>Total</b>	---	---	---	---	823	1,170	1,143	986	---	---	---	---
<b>Mean</b>	---	---	---	---	28.4	37.7	38.1	31.8	---	---	---	---
<b>Max</b>	---	---	---	---	33	47	47	35	---	---	---	---
<b>Min</b>	---	---	---	---	26	32	34	28	---	---	---	---
<b>Ac-ft</b>	---	---	---	---	1,630	2,320	2,270	1,960	---	---	---	---
<b>Diversion, in acre-feet, to Haas Powerplant</b>	6,860	5,230	7,920	12,720	13,090	9,310	16,280	12,580	24,640	36,100	34,170	8,220

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 1957, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	18.3	49.3	84.9	62.2	93.6	197	709	1,670	1,177	211	27.7	9.45
<b>Max</b>	121	550	605	300	212	402	1,210	3,232	3,395	1,161	131	37.4
<b>(WY)</b>	(1946)	(1951)	(1956)	(1956)	(1945)	(1956)	(1926)	(1952)	(1938)	(1938)	(1938)	(1938)
<b>Min</b>	5.54	6.25	7.00	11.6	20.3	36.0	306	357	35.7	5.52	1.83	1.60
<b>(WY)</b>	(1956)	(1930)	(1931)	(1924)	(1948)	(1924)	(1948)	(1934)	(1924)	(1924)	(1924)	(1924)

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## SUMMARY STATISTICS

Water Years 1922 - 1957		
Annual mean	360	
Highest annual mean	749	1938
Lowest annual mean	80.2	1924
Highest daily mean	7,460	Dec 23, 1955
Lowest daily mean	1.3	Sep 9, 1924
Annual seven-day minimum	1.4	Sep 9, 1924
Maximum peak flow	14,000	Dec 11, 1937
Maximum peak stage	18.00	Dec 11, 1937
Annual runoff (ac-ft)	260,600	
10 percent exceeds	1,240	
50 percent exceeds	63	
90 percent exceeds	6.5	

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1990, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	16.3	17.5	15.8	17.8	18.4	20.7	36.1	96.1	173	97.3	17.9	19.1
<b>Max</b>	24.5	29.4	41.0	49.8	66.9	49.2	298	1,170	1,339	918	27.0	84.1
<b>(WY)</b>	(1987)	(1966)	(1967)	(1969)	(1986)	(1986)	(1986)	(1969)	(1983)	(1967)	(1986)	(1978)
<b>Min</b>	7.67	7.53	7.45	7.62	8.20	9.21	8.62	8.45	8.21	7.37	7.56	7.83
<b>(WY)</b>	(1960)	(1960)	(1963)	(1964)	(1964)	(1961)	(1961)	(1961)	(1961)	(1964)	(1961)	(1964)

## SUMMARY STATISTICS

Water Years 1960 - 1990		
Annual mean	45.5	
Highest annual mean	241	1969
Lowest annual mean	10.0	1964
Highest daily mean	3,040	Jul 1, 1967
Lowest daily mean	3.9	Dec 9, 1967
Annual seven-day minimum	4.2	Dec 6, 1967
Maximum peak flow	5,110	Sep 5, 1978
Maximum peak stage	11.96	Sep 5, 1978
Annual runoff (ac-ft)	32,970	
10 percent exceeds	29	
50 percent exceeds	17	
90 percent exceeds	8.6	

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