11218400 NORTH FORK KINGS RIVER BELOW DINKEY CREEK, NEAR BALCH CAMP, CA

Tulare Lake Basin

LOCATION.--Lat 36°52′47″, long 119°07′40″ referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.22, T.12 S., R.26 E., Fresno County, Hydrologic Unit 18030010, in Sierra National Forest, on right bank, 1.1 mi upstream from junction with Kings River, 1.7 mi south of Balch Camp, 2.1 mi downstream from Dinkey Creek, 9 mi east of Trimmer, and 24 mi southeast of Shaver.

DRAINAGE AREA.--387 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1960 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,035 ft above NGVD of 1929, from river-profile map.

REMARKS.--Flow regulated by Courtright Reservoir (station 11214550), Wishon Reservoir (station 11214800), and Balch Diversion Reservoir (station 11216100); Balch Afterbay, capacity, 318 acre-ft; and Haas and Balch Powerplants. Water is diverted from Balch Afterbay to Kings River Powerplant (station 11218700), beginning Mar. 1, 1962. Some water diverted from Balch Afterbay returns upstream from station at a release to Dinkey Creek. See schematic diagram of Kings River Basin.

COOPERATION.--Records, including diversion to Kings River Powerplant, 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,400 ft^3/s, Feb. 1, 1963, gage height, 19.20 ft, from rating curve extended above 10,100 ft^3/s; minimum daily, 6.4 ft^3/s, Oct. 3, 1977.

11218400 NORTH FORK KINGS RIVER BELOW DINKEY CREEK, NEAR BALCH CAMP, CA—Continued

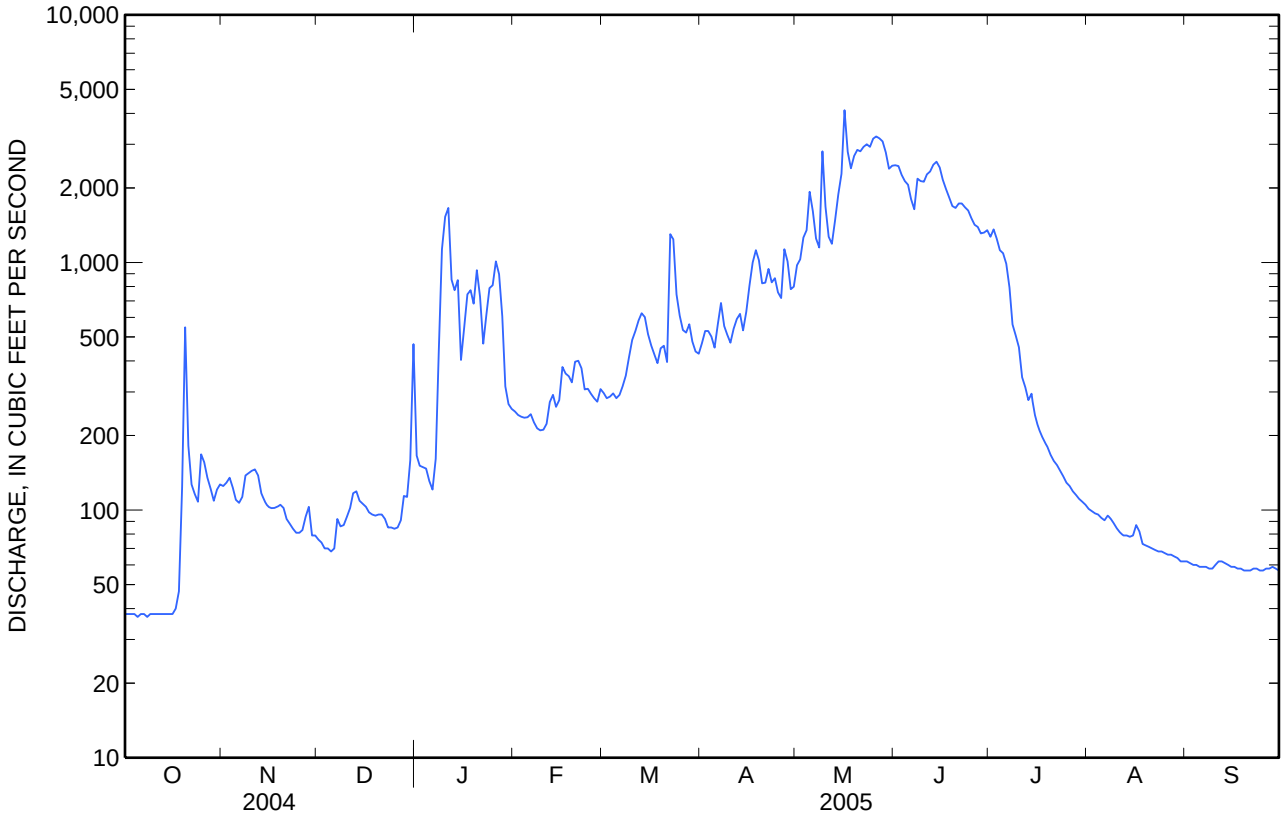
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	38	125	76	166	250	297	472	975	2,470	1,270	101	62
2	38	129	74	151	242	283	529	1,030	2,450	1,360	99	61
3	38	135	70	149	238	287	529	1,260	2,260	1,250	97	60
4	38	123	70	147	236	296	502	1,350	2,130	1,120	96	60
5	37	110	68	131	237	283	453	1,930	2,060	1,090	93	59
6	38	107	70	121	244	292	562	1,610	1,800	987	91	59
7	38	113	92	161	226	316	686	1,250	1,640	792	95	59
8	37	138	86	435	214	349	554	1,150	2,180	562	92	58
9	38	141	87	1,130	210	414	511	2,810	2,130	507	88	58
10	38	144	94	1,530	211	486	474	1,680	2,120	454	84	60
11	38	146	102	1,660	223	529	540	1,270	2,270	344	81	62
12	38	138	117	852	273	583	591	1,190	2,330	313	79	62
13	38	117	119	773	292	624	620	1,480	2,480	278	79	61
14	38	109	109	848	261	602	532	1,880	2,550	295	78	60
15	38	104	106	404	278	513	632	2,280	2,420	245	79	59
16	38	102	103	546	378	462	806	4,120	2,160	218	87	59
17	40	102	98	743	356	424	1,000	2,800	1,980	202	82	58
18	47	103	96	773	347	392	1,120	2,400	1,830	190	73	58
19	124	105	95	682	328	450	1,020	2,690	1,690	180	72	57
20	547	102	96	931	397	461	824	2,850	1,660	167	71	57
21	182	92	96	727	401	396	828	2,810	1,730	158	70	57
22	127	88	92	470	374	1,300	942	2,930	1,730	152	69	58
23	116	84	85	618	307	1,240	831	3,000	1,670	144	68	58
24	108	81	85	788	309	743	864	2,930	1,620	137	68	57
25	168	81	84	809	295	610	758	3,160	1,510	129	67	57
26	156	83	85	1,010	283	533	718	3,230	1,420	125	66	58
27	135	94	91	897	274	521	1,130	3,170	1,390	119	66	58
28	122	103	114	606	308	563	1,010	3,080	1,310	115	65	59
29	109	79	113	316	---	479	779	2,780	1,320	111	64	58
30	121	79	159	268	---	437	798	2,390	1,350	108	62	57
31	127	---	468	256	---	428	---	2,460	---	105	62	---
Total	2,835	3,257	3,300	19,098	7,992	15,593	21,615	69,945	57,660	13,227	2,444	1,766
Mean	91.5	109	106	616	285	503	720	2,256	1,922	427	78.8	58.9
Max	547	146	468	1,660	401	1,300	1,130	4,120	2,550	1,360	101	62
Min	37	79	68	121	210	283	453	975	1,310	105	62	57
Ac-ft	5,620	6,460	6,550	37,880	15,850	30,930	42,870	138,700	114,400	26,240	4,850	3,500
Diversion, in acre-feet, to Kings River Powerplant	8,920	9,720	15,840	15,330	28,870	31,770	54,510	65,520	56,420	50,350	35,640	31,800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	49.6	88.2	133	251	275	367	608	1,022	841	296	59.4	48.6
Max	288	347	920	1,492	1,269	1,329	2,163	4,253	4,210	1,894	422	233
(WY)	(1983)	(1984)	(1967)	(1997)	(1986)	(1986)	(1982)	(1969)	(1983)	(1983)	(1961)	(1978)
Min	10.6	17.6	19.3	26.3	30.0	48.1	111	129	47.3	21.9	16.2	14.1
(WY)	(1978)	(1978)	(1977)	(1991)	(1991)	(1977)	(1977)	(1977)	(1976)	(1976)	(1968)	(1968)

11218400 NORTH FORK KINGS RIVER BELOW DINKEY CREEK, NEAR BALCH CAMP, CA—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1961 - 2005	
Annual total	69,170		218,732			
Annual mean	189		599		336	
Highest annual mean					1,045	1983
Lowest annual mean					49.2	1977
Highest daily mean	725	Jan 27	4,120	May 16	14,900	Dec 6, 1966
Lowest daily mean	34	Aug 1	37	Oct 5	6.4	Oct 3, 1977
Annual seven-day minimum	34	Jul 31	38	Oct 2	9.6	Oct 2, 1977
Maximum peak flow			6,440	May 16	27,400	Feb 1, 1963
Maximum peak stage			10.78	May 16	19.20	Feb 1, 1963
Annual runoff (ac-ft)	137,200		433,900		243,600	
10 percent exceeds	510		1,810		835	
50 percent exceeds	104		242		97	
90 percent exceeds	38		59		31