

Water-Data Report 2013

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, CA, 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 mi².

SURFACE-WATER 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.

COOPERATION.--Records, including diversion to Kings River Powerplant (station 11218700), 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 no. 175.

REMARKS.--Flow regulated by Courtright Reservoir (station 11214550), Wishon Reservoir (station 11214800), and Black Rock Reservoir (station 11216100); Balch Afterbay, capacity, 318 acre-ft; and Haas and Balch Powerplants. Water is diverted from Balch Afterbay to Kings River Powerplant, 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 available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,400 ft³/s, Feb. 1, 1963, gage height, 19.20 ft, from rating curve extended above 10,100 ft³/s; minimum daily, 6.4 ft³/s, Oct. 3, 1977.

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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	48	91	386	144	184	143	371	324	91	45	38	40
2	47	119	1,200	117	186	164	312	314	86	44	38	39
3	47	105	751	166	173	186	301	289	83	44	38	40
4	47	102	305	128	175	195	328	272	82	44	38	40
5	48	122	231	139	179	191	307	251	80	43	38	41
6	47	121	218	184	172	210	298	235	75	42	38	40
7	48	83	205	214	166	203	321	251	72	41	39	39
8	48	71	180	158	169	181	348	227	69	44	38	40
9	49	73	189	128	154	171	292	222	67	41	38	40
10	49	99	168	152	146	170	271	232	65	40	38	41
11	50	83	134	199	140	195	309	217	65	40	39	41
12	53	87	129	138	143	213	332	215	65	40	39	40
13	55	102	139	135	142	242	360	210	62	40	39	40
14	53	116	150	123	140	289	366	200	59	39	38	40
15	54	115	136	124	141	310	366	193	57	39	38	40
16	61	117	122	120	147	332	317	181	56	39	38	40
17	78	145	129	127	141	342	277	168	55	39	38	39
18	76	293	157	134	143	324	262	157	54	38	38	40
19	78	129	135	156	150	309	262	146	53	38	39	40
20	72	112	134	173	140	343	285	140	52	38	39	39
21	72	136	118	264	132	302	322	135	51	38	39	40
22	73	101	135	273	131	298	367	130	51	40	39	41
23	79	100	179	226	134	286	382	124	50	40	40	44
24	71	90	346	425	121	292	378	118	50	42	40	45
25	70	85	234	367	127	319	355	111	51	42	39	42
26	93	83	221	316	126	289	332	107	51	41	38	41
27	80	80	168	284	131	280	336	106	50	40	39	41
28	84	78	141	215	133	272	347	104	49	39	40	40
29	102	186	144	199	---	268	358	104	47	38	40	41
30	110	479	127	195	---	305	356	101	46	38	39	41
31	77	---	115	189	---	409	---	96	---	39	39	---
Total	2,019	3,703	7,126	5,912	4,166	8,033	9,818	5,680	1,844	1,255	1,198	1,215
Mean	65.1	123	230	191	149	259	327	183	61.5	40.5	38.6	40.5
Max	110	479	1,200	425	186	409	382	324	91	45	40	45
Min	47	71	115	117	121	143	262	96	46	38	38	39
Ac-ft	4,000	7,340	14,130	11,730	8,260	15,930	19,470	11,270	3,660	2,490	2,380	2,410
Diversion, in acre-feet, to Kings River Powerplant	11,290	0	0	5,320	11,200	13,900	12,400	7,780	7,410	19,390	11,880	8,820

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	56.3	87.4	142	263	293	383	636	1,009	854	289	63.4	52.9
Max	288	347	920	1,492	1,269	1,329	2,192	4,253	4,210	1,894	422	304
(WY)	(1983)	(1984)	(1967)	(1997)	(1986)	(1986)	(2006)	(1969)	(1983)	(1983)	(1961)	(2011)
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)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1961 - 2013	
Annual total	60,742		51,969			
Annual mean	166		142		344	
Highest annual mean					1,045	1983
Lowest annual mean					49.2	1977
Highest daily mean	1,490	Apr 26	1,200	Dec 2	14,900	Dec 6, 1966
Lowest daily mean	43	Jan 1	38	Jul 18	6.4	Oct 3, 1977
Annual seven-day minimum	44	Jan 1	38	Jul 29	9.6	Oct 2, 1977
Maximum peak flow			3,790	Dec 2	27,400	Feb 1, 1963
Maximum peak stage			8.81	Dec 2	19.20	Feb 1, 1963
Annual runoff (ac-ft)	120,500		103,100		249,000	
10 percent exceeds	347		311		874	
50 percent exceeds	102		117		101	
90 percent exceeds	46		39		33	

