11316100 Bear River below Bear River Diversion Dam, CA

San Joaquin River Basin

LOCATION.--Lat 38°29′33″, long 120°17′21″ referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.2, T.7 N., R.15 E., Amador County, CA, Hydrologic Unit 18040012, in Eldorado National Forest, on right bank, 200 ft downstream from diversion dam on Bear River and highway bridge, 1.4 mi upstream from mouth, and 3.5 mi northwest of Salt Springs Dam.

DRAINAGE AREA.--47.8 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1987 to current year (low flow records only). Unpublished records for water years 1983-87 available in files of the U.S. Geological Survey.

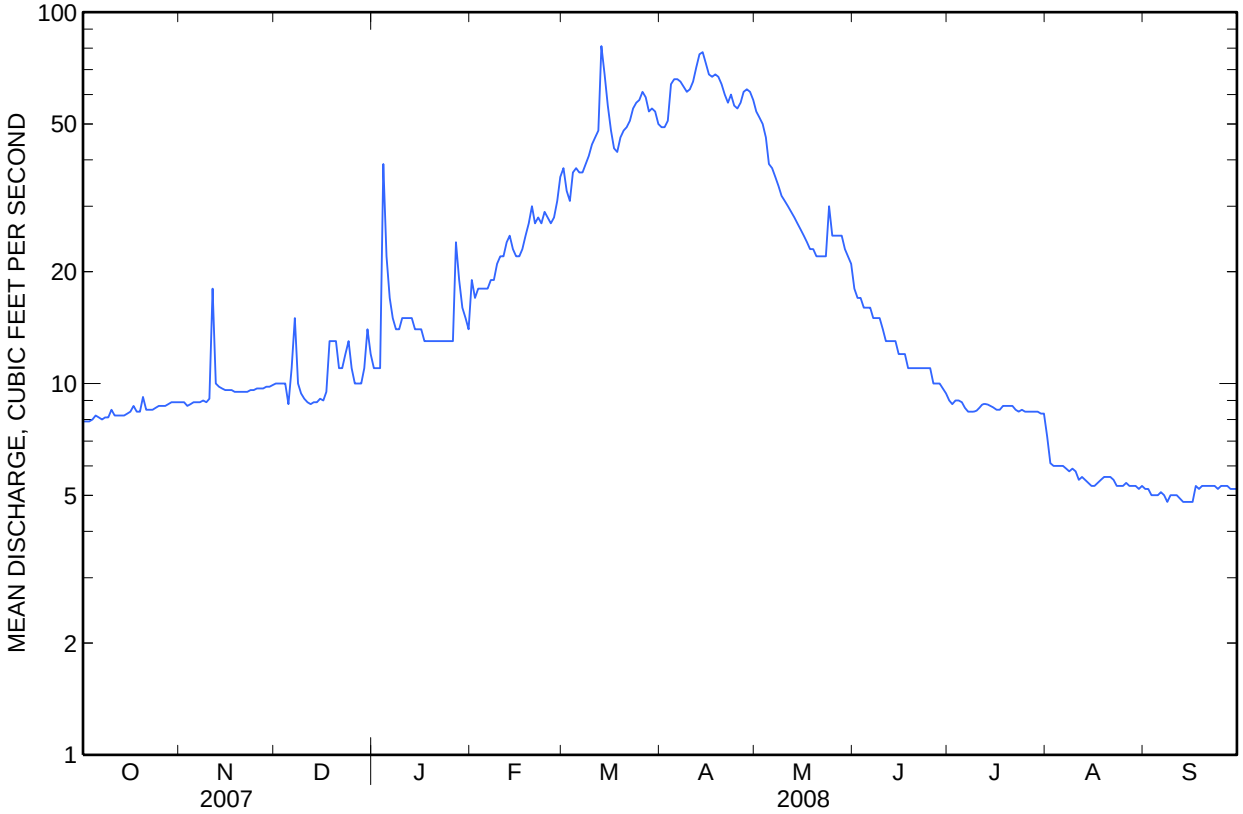
GAGE.--Water-stage recorder and concrete control. Elevation of gage is 3,710 ft above NGVD of 1929, from topographic map. Prior to Dec. 8, 1987, nonrecording gage, and Dec. 8, 1987, to Sept. 26, 2002, recording gage at site 300 ft upstream at different datum.

COOPERATION.--Records were collected by Pacific Gas and Electric Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 137.

REMARKS.--Records not computed above 100 ft^3/s. Flow regulated since 1900 by Bear River Reservoir, capacity, 6,760 acre-ft, and since December 1952 by Lower Bear River Reservoir 4 mi upstream, capacity, 49,100 acre-ft. Water diverted for power since December 1952 from Lower Bear River Reservoir through tunnel to Salt Springs Powerplant No. 2 (station 11313510) on North Fork Mokelumne River. Water diverted at diversion dam 500 ft upstream to Tiger Creek Powerplant Conduit for use at Tiger Creek Powerplant (station 11316610). See schematic diagram of Mokelumne River Basin available from the California Water Science Center.

11316100 Bear River below Bear River Diversion Dam, CA—Continued

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	7.9	8.9	10	11	19	38	49	54	18	9.0	7.2	5.2
2	7.9	8.9	10	11	17	33	49	52	17	8.8	6.1	5.2
3	7.9	8.7	10	11	18	31	51	50	17	9.0	6.0	5.0
4	8.0	8.8	10	39	18	37	64	46	16	9.0	6.0	5.0
5	8.2	8.9	8.8	22	18	38	66	39	16	8.9	6.0	5.0
6	8.1	8.9	11	17	18	37	66	38	16	8.6	6.0	5.1
7	8.0	8.9	15	15	19	37	65	36	15	8.4	5.9	5.0
8	8.1	9.0	10	14	19	39	63	34	15	8.4	5.8	4.8
9	8.1	8.9	9.4	14	21	41	61	32	15	8.4	5.9	5.0
10	8.5	9.1	9.1	15	22	44	62	31	14	8.5	5.8	5.0
11	8.2	18	8.9	15	22	46	65	30	13	8.7	5.5	5.0
12	8.2	10	8.8	15	24	48	71	29	13	8.8	5.6	4.9
13	8.2	9.8	8.9	15	25	81	77	28	13	8.8	5.5	4.8
14	8.2	9.7	8.9	14	23	68	78	27	13	8.7	5.4	4.8
15	8.3	9.6	9.1	14	22	56	73	26	12	8.6	5.3	4.8
16	8.4	9.6	9.0	14	22	48	68	25	12	8.5	5.3	4.8
17	8.7	9.6	9.5	13	23	43	67	24	12	8.5	5.4	5.3
18	8.4	9.5	13	13	25	42	68	23	11	8.7	5.5	5.2
19	8.4	9.5	13	13	27	46	67	23	11	8.7	5.6	5.3
20	9.2	9.5	13	13	30	48	64	22	11	8.7	5.6	5.3
21	8.5	9.5	11	13	27	49	60	22	11	8.7	5.6	5.3
22	8.5	9.5	11	13	28	51	57	22	11	8.5	5.5	5.3
23	8.5	9.6	12	13	27	55	60	22	11	8.4	5.3	5.3
24	8.6	9.6	13	13	29	57	56	30	11	8.5	5.3	5.2
25	8.7	9.7	11	13	28	58	55	25	11	8.4	5.3	5.3
26	8.7	9.7	10	13	27	61	57	25	10	8.4	5.4	5.3
27	8.7	9.7	10	24	28	59	61	25	10	8.4	5.3	5.3
28	8.8	9.8	10	19	31	54	62	25	10	8.4	5.3	5.2
29	8.9	9.8	11	16	36	55	61	23	9.7	8.4	5.3	5.2
30	8.9	9.9	14	15	---	54	58	22	9.4	8.3	5.2	5.2
31	8.9	---	12	14	---	50	---	21	---	8.3	5.3	---
Total	260.6	290.6	330.4	474	693	1,504	1,881	931	384.1	266.4	174.2	153.1
Mean	8.41	9.69	10.7	15.3	23.9	48.5	62.7	30.0	12.8	8.59	5.62	5.10
Max	9.2	18	15	39	36	81	78	54	18	9.0	7.2	5.3
Min	7.9	8.7	8.8	11	17	31	49	21	9.4	8.3	5.2	4.8
Ac-ft	517	576	655	940	1,370	2,980	3,730	1,850	762	528	346	304

11316100 Bear River below Bear River Diversion Dam, CA—Continued