

Water-Data Report 2007

11421770 Bear River below Drum Afterbay, near Blue Canyon, CA

Sacramento River Basin

LOCATION.--Lat 39°15'16", long 120°46'26" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.17, T.16 N., R.11 E., Placer County, CA, Hydrologic Unit 18020126, on left bank, 60 ft downstream from Drum Afterbay Dam, and 3.5 mi west of Blue Canyon.

DRAINAGE AREA.--12.3 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1966 to current year, low flows only April to September 1966 and since October 1998.

GAGE.--Water-stage recorder and 4-ft steel Cipolletti weir set in a concrete broad-crested weir. Elevation of gage is 3,300 ft above NGVD of 1929, from topographic map. April 1966 to May 25, 1967, water-stage recorder at present site at different datum. May 26, 1967, to Feb. 11, 1968, water-stage recorder at site 1,000 ft downstream at different datum.

COOPERATION.--Records, including diversion to Dutch Flat No. 1 Powerplant (station 11421750), 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. 2310. Diversion to Dutch Flat No. 2 Flume (station 11421760) provided by Nevada Irrigation District.

REMARKS.--Records not computed above 13.5 ft³/s. Water for Dutch Flat No. 1 Powerplant and Dutch Flat No. 2 Flume is diverted from Drum Afterbay just upstream from station. See schematic diagram of Bear River Basin available from the California Water Science Center.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12	6.9	6.9	7.2	7.2	11	11	13	13	13	12	13
2	8.6	6.9	6.9	7.2	7.2	11	11	13	13	---	13	13
3	6.9	6.9	6.9	7.3	7.2	11	---	13	13	---	---	---
4	6.9	6.9	6.9	7.5	7.2	---	---	13	13	---	---	---
5	6.9	6.9	6.9	7.4	7.3	---	13	13	13	---	---	13
6	6.9	6.9	6.9	7.4	7.2	11	13	12	13	---	---	---
7	6.9	6.9	6.9	7.3	7.3	11	13	---	---	---	---	13
8	6.9	6.9	6.9	7.3	7.3	11	13	13	13	12	---	13
9	6.9	6.9	6.9	7.3	7.2	11	---	12	---	---	---	13
10	6.9	6.8	6.9	7.2	---	11	---	13	---	13	---	13
11	6.9	6.9	6.9	7.1	---	11	13	13	---	13	---	---
12	6.9	6.9	6.9	7.2	7.2	11	---	13	13	---	---	---
13	6.9	6.9	6.9	7.2	7.3	11	13	13	13	13	---	---
14	6.9	6.8	6.9	7.2	7.3	---	13	13	---	13	---	---
15	6.9	6.9	6.9	7.2	7.3	11	13	---	---	---	---	---
16	6.9	6.9	6.9	7.2	7.3	11	---	13	13	13	---	---
17	6.9	6.8	6.9	7.3	7.3	11	---	---	13	13	---	---
18	6.9	6.9	7.0	7.3	7.3	11	13	13	---	13	---	---
19	6.9	6.9	6.9	7.2	7.3	11	---	13	---	12	---	---
20	6.8	6.9	6.9	7.3	7.3	11	13	12	---	13	---	---
21	6.9	6.9	6.9	7.2	7.3	11	13	13	---	13	---	---
22	6.9	6.8	6.9	7.2	7.3	11	13	13	---	13	---	12
23	6.8	6.9	6.9	7.3	7.3	11	12	13	13	13	---	---
24	6.9	6.9	6.9	7.2	7.3	11	13	13	13	13	13	---
25	6.9	6.9	6.9	7.2	7.3	11	13	13	---	13	13	---
26	6.8	6.9	6.9	7.2	---	11	13	13	---	13	13	---
27	6.9	6.9	6.9	7.2	11	11	13	13	---	13	13	---
28	6.9	6.9	7.7	7.3	11	11	---	13	---	---	---	---
29	6.9	7.0	7.3	7.2	---	---	13	13	13	13	---	---
30	6.9	6.9	7.3	7.3	---	11	13	13	---	13	13	---
31	6.9	---	7.2	7.2	---	11	---	13	---	13	13	---
Total	220.4	206.7	215.9	224.8	---	---	---	---	---	---	---	---
Mean	7.11	6.89	6.96	7.25	---	---	---	---	---	---	---	---
Max	12	7.0	7.7	7.5	---	---	---	---	---	---	---	---
Min	6.8	6.8	6.9	7.1	---	---	---	---	---	---	---	---
Ac-ft	437	410	428	446	---	---	---	---	---	---	---	---
Diversion, in acre-feet, to Dutch Flat No. 2 Flume	6,110	7,200	9,990	7,550	11,890	21,200	12,270	15,580	1,440	10,290	10,230	4,510
Diversion, in acre-feet, to Dutch Flat No. 1 Powerplant	13,280	20,560	20,500	18,740	12,800	2,590	15,390	17,980	18,540	14,360	20,610	10,170

	Calendar Year 2006	Water Year 2007
Diversion, in acre-feet, to Dutch Flat No. 2 Flume	250,900	118,300
Diversion, in acre-feet, to Dutch Flat No. 1 Powerplant	238,800	185,500

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