11374305 Middle Fork Cottonwood Creek below diversion to Arbuckle Mountain Powerplant, near Platina, CA

Sacramento River Basin

LOCATION.--(CORRECTED) Lat 40°24′34″, long 122°52′58″ referenced to North American Datum of 1983, Shasta County, CA, Hydrologic Unit 18020113, unsurveyed, on left bank, 0.4 mi downstream from confluence with Knob Gulch, and 3.4 mi northeast of Platina.

DRAINAGE AREA.--46.3 mi^2 (corrected).

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1997 to current year (low-flow records only, collected only seasonally during period of upstream diversion for power generation).

GAGE.--Water-stage recorder and V-notched weir. Elevation of gage is 2,050 ft above NGVD of 1929, from topographic map.

COOPERATION.--Records were collected by Arbuckle Mountain Hydro, LLC, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission Project no. 7178. Discharge for Arbuckle Mountain Powerplant (station 11374300), provided by Arbuckle Mountain Hydro, LLC.

REMARKS.--Records published to 11 ft^3/s. Prior to February 2004 records published to 90 ft^3/s. Record is only collected during the part of the year when flow is generally high enough to allow for upstream diversion of water to Arbuckle Mountain Powerplant. This year record was collected Jan. 4 to Apr. 7. During times of powerplant operation, the minimum release requirement is 5.0 ft^3/s. See schematic diagram of upper Sacramento River Basin available from the California Water Science Center.

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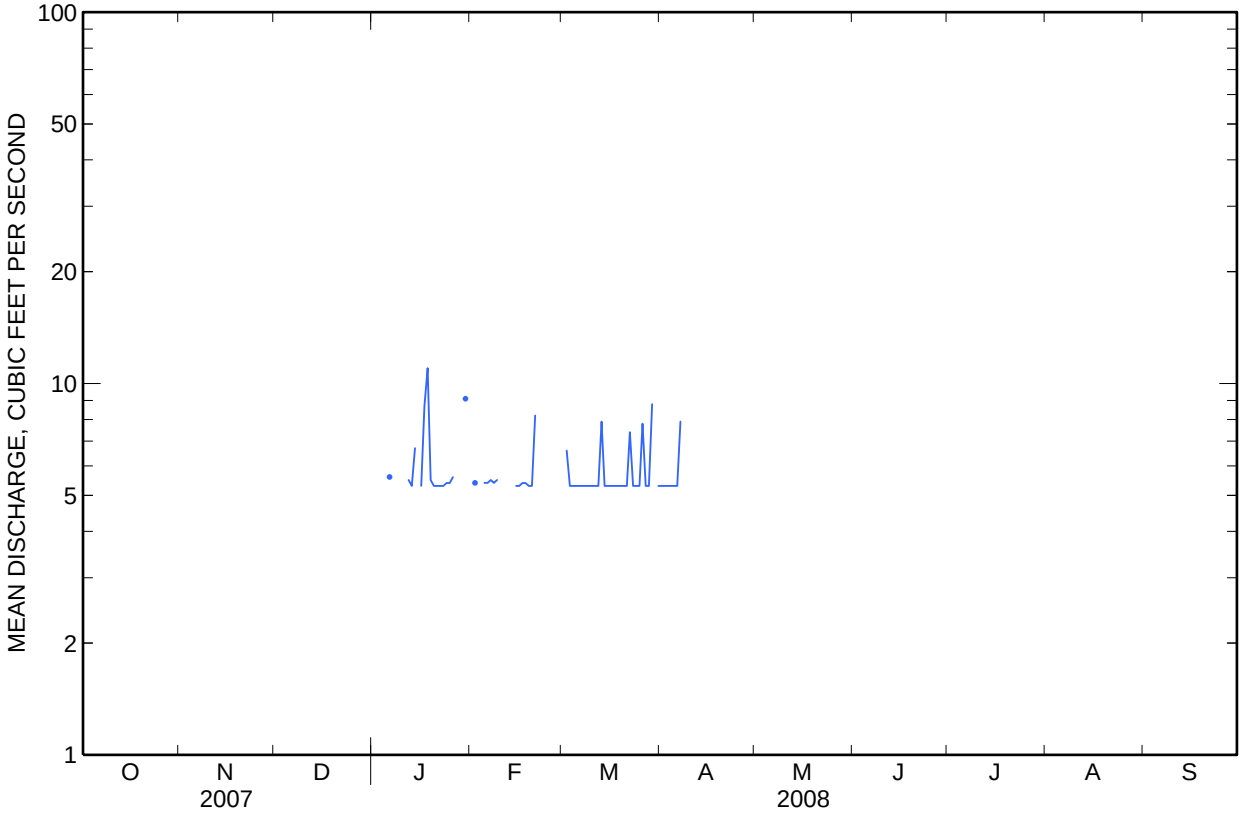
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	5.3	---	---	---	---	---
2	---	---	---	---	5.4	6.6	5.3	---	---	---	---	---
3	---	---	---	---	---	5.3	5.3	---	---	---	---	---
4	---	---	---	---	---	5.3	5.3	---	---	---	---	---
5	---	---	---	---	5.4	5.3	5.3	---	---	---	---	---
6	---	---	---	5.6	5.4	5.3	5.3	---	---	---	---	---
7	---	---	---	---	5.5	5.3	7.9	---	---	---	---	---
8	---	---	---	---	5.4	5.3	---	---	---	---	---	---
9	---	---	---	---	5.5	5.3	---	---	---	---	---	---
10	---	---	---	---	---	5.3	---	---	---	---	---	---
11	---	---	---	---	---	5.3	---	---	---	---	---	---
12	---	---	---	5.5	---	5.3	---	---	---	---	---	---
13	---	---	---	5.3	---	7.9	---	---	---	---	---	---
14	---	---	---	6.7	---	5.3	---	---	---	---	---	---
15	---	---	---	---	5.3	5.3	---	---	---	---	---	---
16	---	---	---	5.3	5.3	5.3	---	---	---	---	---	---
17	---	---	---	8.7	5.4	5.3	---	---	---	---	---	---
18	---	---	---	11	5.4	5.3	---	---	---	---	---	---
19	---	---	---	5.5	5.3	5.3	---	---	---	---	---	---
20	---	---	---	5.3	5.3	5.3	---	---	---	---	---	---
21	---	---	---	5.3	8.2	5.3	---	---	---	---	---	---
22	---	---	---	5.3	---	7.4	---	---	---	---	---	---
23	---	---	---	5.3	---	5.3	---	---	---	---	---	---
24	---	---	---	5.4	---	5.3	---	---	---	---	---	---
25	---	---	---	5.4	---	5.3	---	---	---	---	---	---
26	---	---	---	5.6	---	7.8	---	---	---	---	---	---
27	---	---	---	---	---	5.3	---	---	---	---	---	---
28	---	---	---	---	---	5.3	---	---	---	---	---	---
29	---	---	---	---	---	8.8	---	---	---	---	---	---
30	---	---	---	9.1	---	---	---	---	---	---	---	---
31	---	---	---	---	---	5.3	---	---	---	---	---	---
Total	---	---	---	---	---	---	---	---	---	---	---	---
Mean	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---
Ac-ft	---	---	---	---	---	---	---	---	---	---	---	---
Discharge, in acre-feet, for Arbuckle Mountain Powerplant												
	---	---	---	---	4,320	2,620	---	---	---	---	---	---

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