

Water-Data Report 2007

## 11359120 Hat Creek Low Flow Release below Baum Lake, near Burney, CA

Sacramento River Basin

LOCATION.--Lat 40°57'04", long 121°32'43" referenced to North American Datum of 1983, in SW ¼ NW ¼ sec.29, T.36 N., R.4 E., Shasta County, CA, Hydrologic Unit 18020003, at Hat No. 2 Diversion Dam on Hat Creek, 4.6 mi upstream from mouth, and 7.9 mi northeast of Burney.

DRAINAGE AREA.--356 mi<sup>2</sup>.

### **SURFACE-WATER RECORDS**

PERIOD OF RECORD.--June 2007 to September 2007 (operated as a low-flow station only).

GAGE.--Water-stage recorder and crest style sharp crested weir gate. Elevation of gage is 2,980 ft above NGVD of 1929, from topographic map.

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. 2661.

REMARKS.--This station records fishwater release only. The minimum release requirement is 8.0 ft<sup>3</sup>/s at all times. Flow is computed to 300 ft<sup>3</sup>/s. See schematic diagram of Pit and McCloud River Basins available from the California Water Science Center.

## 11359120 Hat Creek Low Flow Release below Baum Lake, near Burney, CA—Continued

**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	---	---	---	---	---	---	---	---	---	8.8	8.7	8.7
2	---	---	---	---	---	---	---	---	---	8.6	8.7	8.6
3	---	---	---	---	---	---	---	---	---	8.5	8.7	8.7
4	---	---	---	---	---	---	---	---	---	8.8	8.6	8.6
5	---	---	---	---	---	---	---	---	---	8.7	8.5	8.5
6	---	---	---	---	---	---	---	---	---	8.7	8.6	8.7
7	---	---	---	---	---	---	---	---	---	8.7	8.7	153
8	---	---	---	---	---	---	---	---	---	8.7	8.7	265
9	---	---	---	---	---	---	---	---	---	8.7	8.7	282
10	---	---	---	---	---	---	---	---	---	8.7	8.5	288
11	---	---	---	---	---	---	---	---	---	8.6	8.6	287
12	---	---	---	---	---	---	---	---	---	8.7	8.7	228
13	---	---	---	---	---	---	---	---	---	8.7	8.7	9.2
14	---	---	---	---	---	---	---	---	---	8.7	8.6	8.7
15	---	---	---	---	---	---	---	---	---	8.7	8.5	8.6
16	---	---	---	---	---	---	---	---	---	8.7	8.6	8.5
17	---	---	---	---	---	---	---	---	---	8.7	8.7	9.0
18	---	---	---	---	---	---	---	---	---	8.8	8.8	63
19	---	---	---	---	---	---	---	---	---	8.6	8.7	141
20	---	---	---	---	---	---	---	---	8.7	8.5	8.7	140
21	---	---	---	---	---	---	---	---	8.6	8.8	8.7	85
22	---	---	---	---	---	---	---	---	8.8	8.7	8.5	8.5
23	---	---	---	---	---	---	---	---	8.7	8.6	8.6	8.7
24	---	---	---	---	---	---	---	---	8.7	8.8	8.5	8.8
25	---	---	---	---	---	---	---	---	8.7	8.4	8.6	8.5
26	---	---	---	---	---	---	---	---	8.7	8.5	8.6	8.6
27	---	---	---	---	---	---	---	---	8.6	8.6	8.6	8.5
28	---	---	---	---	---	---	---	---	8.5	8.7	8.5	8.6
29	---	---	---	---	---	---	---	---	8.7	8.8	8.6	8.6
30	---	---	---	---	---	---	---	---	8.7	8.6	8.6	8.6
31	---	---	---	---	---	---	---	---	---	8.4	8.6	---
<b>Total</b>	---	---	---	---	---	---	---	---	---	268.5	267.4	2,105.2
<b>Mean</b>	---	---	---	---	---	---	---	---	---	8.66	8.63	70.2
<b>Max</b>	---	---	---	---	---	---	---	---	---	8.8	8.8	288
<b>Min</b>	---	---	---	---	---	---	---	---	---	8.4	8.5	8.5
<b>Ac-ft</b>	---	---	---	---	---	---	---	---	---	533	530	4,180

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