Water-Data Report 2008

11409350 Camptonville Tunnel at Intake, near Camptonville, CA

Sacramento River Basin

LOCATION.--Lat 39°26′25″, long 121°03′30″ referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.11, T.18 N., R.8 E., Yuba County, CA, Hydrologic Unit 18020125, in Tahoe National Forest, at tunnel intake at Log Cabin Dam, 0.2 mi upstream from High Point Ravine, and 1.0 mi southwest of Camptonville.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1988 to current year. Records of monthly diversion published with "Oregon Creek below Log Cabin Dam, near Camptonville" (station 11409400) for water years 1969-88.

GAGE.--Water-stage recorder. Datum of gage is 1,952.00 ft above NGVD of 1929 (from contractor's drawings).

COOPERATION.--Records provided by Yuba County Water Agency, under general supervision of the U. S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 2246.

REMARKS.--Water is diverted to Oregon Creek from the Middle Yuba River through Lohman Ridge Tunnel (station 11408870) 1,000 ft upstream. Camptonville Tunnel diverts water from Oregon Creek to New Bullards Bar Reservoir (station 11413515) for power development. See schematic diagram of North and Middle Yuba River Basins available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,090 ft^3/s, Mar. 25, 1989, Feb. 3, 1998, Dec. 22, 2005; no flow for many days each year.

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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	0.00	0.67	0.00	54	188	497	357	421	136	11	0.00	0.00
2	0.00	0.01	0.00	44	172	451	328	391	126	9.5	0.00	0.00
3	0.00	0.00	0.00	41	250	377	318	376	113	8.0	0.00	0.00
4	0.00	0.00	12	406	196	340	333	392	103	6.5	0.00	0.00
5	10	0.00	16	596	164	321	346	390	96	5.9	0.00	0.00
6	11	0.00	18	296	143	294	359	460	87	5.2	0.00	0.00
7	1.3	0.00	132	207	138	269	358	538	80	4.1	0.00	0.00
8	0.00	0.00	69	183	136	265	347	519	72	2.3	0.00	0.00
9	0.00	0.00	29	235	143	266	321	482	65	0.94	0.00	0.00
10	8.6	0.04	16	199	179	281	299	451	60	0.11	0.00	0.00
11	12	49	11	193	210	320	305	457	53	0.27	0.00	0.00
12	3.2	39	7.3	191	253	363	357	459	47	0.67	0.00	0.00
13	2.7	12	5.6	191	301	588	433	411	41	0.19	0.00	0.00
14	0.65	6.2	4.2	173	269	648	499	390	35	0.25	0.00	0.00
15	0.00	4.2	3.7	153	221	537	464	478	30	0.00	0.00	0.00
16	0.55	2.9	3.0	140	198	442	409	533	30	0.00	0.00	0.00
17	8.1	2.1	19	119	195	373	386	503	41	0.00	0.00	0.00
18	9.6	1.4	134	106	209	341	421	472	42	0.00	0.00	0.00
19	17	2.8	158	98	230	344	462	425	40	0.00	0.00	0.00
20	163	13	252	95	260	359	425	353	36	0.00	0.00	0.00
21	48	7.4	121	99	279	361	373	302	32	0.00	0.00	0.00
22	15	3.6	62	87	478	350	338	253	29	0.00	0.00	0.00
23	6.7	2.2	43	80	418	367	332	209	26	0.00	0.00	0.00
24	3.6	1.2	44	80	695	392	296	240	24	0.00	0.00	0.00
25	2.1	0.95	48	84	770	424	276	224	23	0.00	0.00	0.00
26	1.1	0.77	37	165	529	486	292	208	21	0.00	0.00	0.00
27	0.63	0.44	28	258	433	438	371	188	20	0.00	0.00	0.00
28	0.09	0.03	26	593	414	406	476	178	17	0.00	0.00	0.00
29	0.00	0.00	32	318	451	438	529	167	15	0.00	0.00	0.00
30	0.74	0.00	68	226	---	432	473	154	12	0.00	0.00	3.9
31	1.4	---	72	188	---	384	---	140	---	0.00	0.00	---
Total	327.06	149.91	1,470.80	5,898	8,522	12,154	11,283	11,164	1,552	54.93	0.00	3.90
Mean	10.6	5.00	47.4	190	294	392	376	360	51.7	1.77	0.00	0.13
Max	163	49	252	596	770	648	529	538	136	11	0.00	3.9
Min	0.00	0.00	0.00	41	136	265	276	140	12	0.00	0.00	0.00
Ac-ft	649	297	2,920	11,700	16,900	24,110	22,380	22,140	3,080	109	0.00	7.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	8.61	39.1	176	304	411	534	510	401	177	50.2	6.25	2.17
Max	54.9	127	628	695	865	793	867	820	542	347	37.8	19.8
(WY)	(1990)	(1999)	(1997)	(1995)	(1998)	(1993)	(1995)	(1996)	(1993)	(1995)	(1998)	(1998)
Min	0.00	1.28	0.83	1.16	16.7	308	173	53.2	3.95	0.00	0.00	0.00
(WY)	(1989)	(1991)	(1991)	(1991)	(1991)	(1994)	(1994)	(1992)	(2001)	(2001)	(1992)	(1991)

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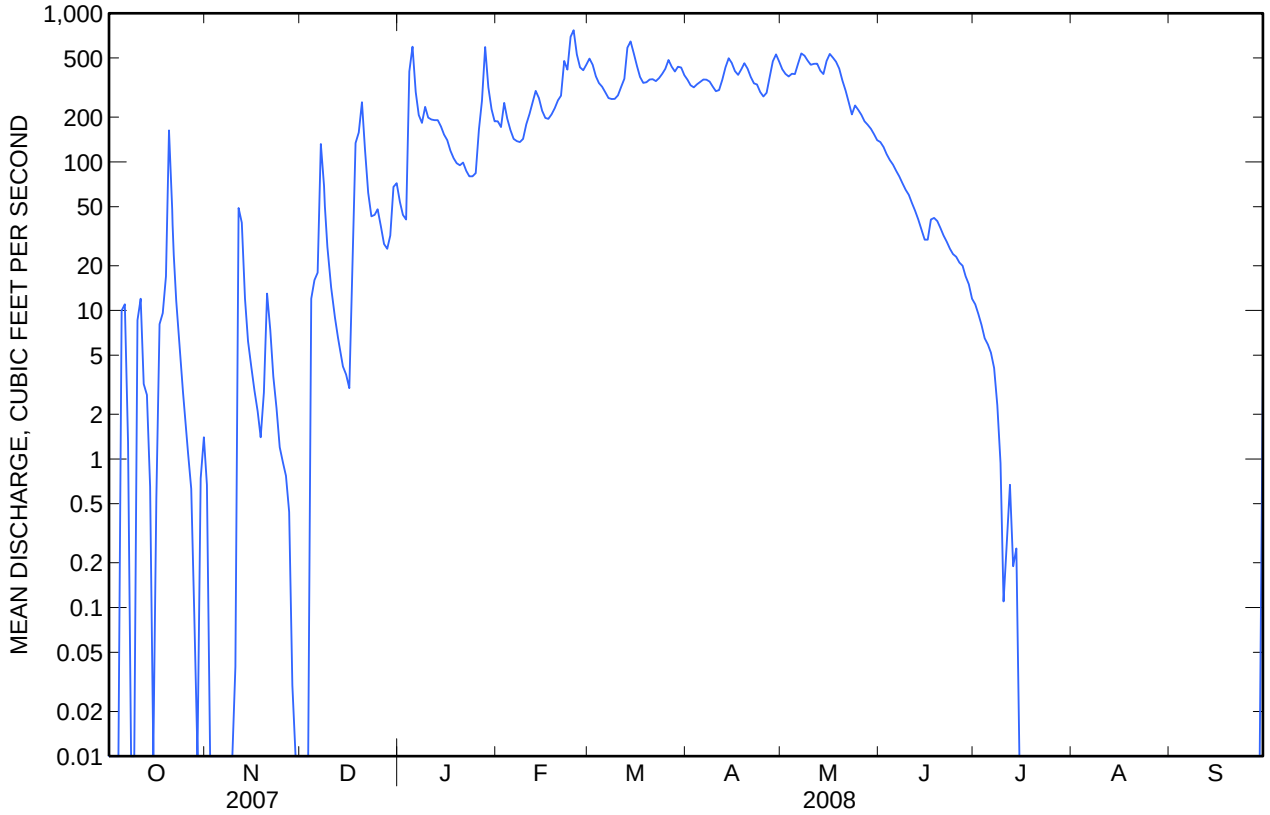
SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1989 - 2008	
Annual total	46,015.74		52,579.60			
Annual mean	126		144		217	
Highest annual mean					364	1998
Lowest annual mean					75.7	1994
Highest daily mean	999	Feb 10	770	Feb 25	1,090	Mar 25, 1989
Lowest daily mean	0.00	Jul 17	0.00	Oct 1	0.00	Oct 1, 1988
Annual seven-day minimum	0.00	Jul 26	0.00	Nov 3	0.00	Oct 1, 1988
Annual runoff (ac-ft)	91,270		104,300		157,300	
10 percent exceeds	389		427		686	
50 percent exceeds	25		40		61	
90 percent exceeds	0.00		0.00		0.00