Water-Data Report 2008

11408870 Lohman Ridge Tunnel at Intake, near Camptonville, CA

Sacramento River Basin

LOCATION.--Lat 39°24′45″, long 120°59′43″ referenced to North American Datum of 1927, in SW ¼ NE ¼ sec.20, T.18 N., R.8 E., Sierra County, CA, Hydrologic Unit 18020125, in Tahoe National Forest, at tunnel intake at Our House Dam, and 4.0 mi southeast of Camptonville.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1988 to current year. Records of monthly diversion published with "Middle Yuba River below Our House Dam, near Camptonville" (station 11408880), for water years 1969-88.

GAGE.--Water-stage recorder. Datum of gage is 2,014.77 ft above NGVD of 1929.

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.--Tunnel diverts water from Middle Yuba River 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, 850 ft^3/s, May 20, 2005; no flow for many days in most years.

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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	1.1	4.4	3.2	36	139	390	297	388	155	16	0.00	0.00
2	2.2	3.4	3.0	31	129	354	280	371	146	15	0.00	0.00
3	0.81	2.8	3.0	29	179	299	276	360	135	14	0.00	0.00
4	0.14	2.4	14	362	147	277	291	373	126	13	0.00	0.00
5	13	2.1	16	474	125	269	311	373	117	12	0.00	0.00
6	11	2.1	20	216	112	263	320	431	111	12	0.00	0.00
7	3.7	2.0	112	159	108	254	318	504	101	11	0.00	0.00
8	2.0	1.8	54	142	106	250	307	483	91	8.2	0.00	0.00
9	1.3	1.9	23	174	113	251	287	448	79	6.4	0.00	0.00
10	13	3.2	16	155	139	261	277	422	69	4.2	0.00	0.00
11	14	43	12	152	166	272	282	429	61	3.5	0.00	0.00
12	6.5	31	9.9	151	186	301	328	430	53	3.1	0.00	0.00
13	5.9	14	8.7	147	208	480	384	388	46	2.5	0.00	0.00
14	3.8	9.8	7.4	131	186	513	436	376	40	2.1	0.00	0.00
15	2.4	7.7	6.8	119	165	420	403	459	36	1.6	0.00	0.00
16	3.4	6.6	6.5	110	150	351	362	505	36	1.0	0.00	0.00
17	11	5.8	20	96	147	307	349	475	45	0.61	0.00	0.00
18	13	5.2	104	87	157	284	380	447	44	0.68	0.00	0.00
19	22	7.2	111	82	168	289	413	401	41	0.91	0.00	0.00
20	138	14	180	78	177	303	379	340	37	0.68	0.00	0.00
21	39	10	89	81	183	306	340	296	33	0.72	0.00	0.00
22	16	6.9	44	69	323	298	310	247	31	0.52	0.00	0.00
23	10	5.7	31	61	306	315	303	221	28	0.28	0.00	0.00
24	7.4	4.8	35	61	553	335	279	240	26	0.18	0.00	0.00
25	5.9	4.6	38	68	597	358	270	226	25	0.19	0.00	0.00
26	5.0	4.4	29	128	408	406	281	218	23	0.11	0.00	0.00
27	4.4	4.0	23	204	345	366	354	203	22	0.00	0.00	0.00
28	3.8	3.6	22	448	334	346	437	188	20	0.00	0.00	0.00
29	3.9	3.2	27	216	362	351	483	181	19	0.00	0.00	0.00
30	5.1	3.2	52	162	---	345	430	173	17	0.00	0.00	13
31	5.6	---	50	145	---	312	---	162	---	0.00	0.00	---
Total	374.35	220.8	1,170.5	4,574	6,418	10,126	10,167	10,758	1,813	130.48	0.00	13.00
Mean	12.1	7.36	37.8	148	221	327	339	347	60.4	4.21	0.00	0.43
Max	138	43	180	474	597	513	483	505	155	16	0.00	13
Min	0.14	1.8	3.0	29	106	250	270	162	17	0.00	0.00	0.00
Ac-ft	743	438	2,320	9,070	12,730	20,080	20,170	21,340	3,600	259	0.00	26

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	9.51	34.7	143	220	302	392	423	344	164	46.8	8.38	3.85
Max	51.4	112	486	509	649	644	688	701	503	269	41.4	23.6
(WY)	(1990)	(1997)	(1997)	(1995)	(1998)	(1993)	(1995)	(1996)	(1993)	(1995)	(1998)	(1998)
Min	0.00	1.42	1.36	0.66	16.6	206	182	38.0	8.47	0.22	0.00	0.00
(WY)	(1989)	(1991)	(1991)	(1997)	(1991)	(1997)	(1994)	(1995)	(2001)	(2001)	(1992)	(1992)

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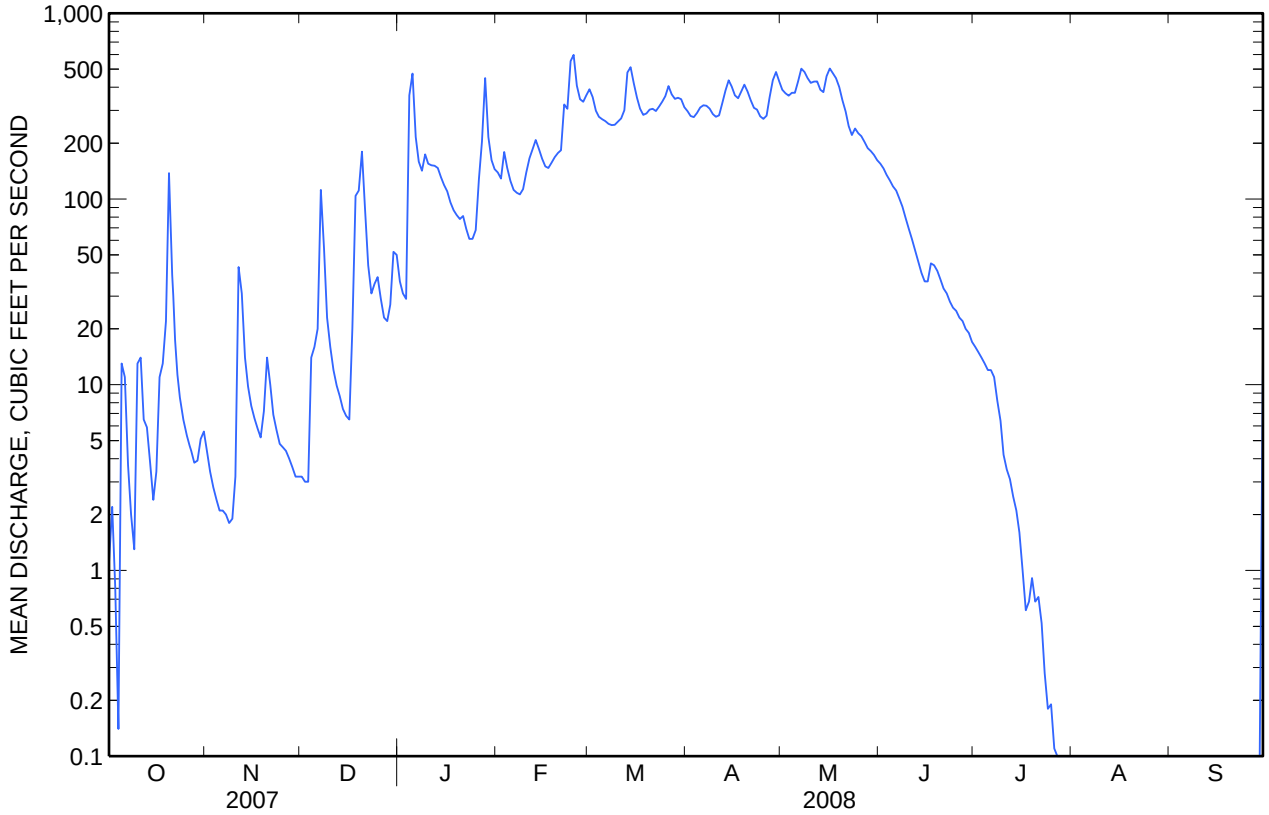
SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1989 - 2008	
Annual total	40,669.95		45,765.13			
Annual mean	111		125		173	
Highest annual mean					305	1998
Lowest annual mean					71.7	2001
Highest daily mean	776	Feb 10	597	Feb 25	850	May 20, 2005
Lowest daily mean	0.00	Aug 4	0.00	Jul 27	0.00	Oct 1, 1988
Annual seven-day minimum	0.00	Aug 4	0.00	Jul 27	0.00	Oct 1, 1988
Annual runoff (ac-ft)	80,670		90,780		125,600	
10 percent exceeds	337		372		534	
50 percent exceeds	23		36		54	
90 percent exceeds	0.00		0.00		0.00