



Water-Data Report 2009

11413000 North Yuba River below Goodyears Bar, CA

Sacramento River Basin

LOCATION.--Lat 39°31'30", long 120°56'13" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.11, T.19 N., R.9 E., Sierra County, CA, Hydrologic Unit 18020125, Tahoe National Forest, on right bank, 200 ft downstream from St. Catherine Creek, 3.1 mi southwest of Goodyears Bar, and 6.4 mi southwest of Downieville.

DRAINAGE AREA.--250 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1930 to current year. Prior to October 1949, published as "North Fork Yuba River below Goodyears Bar." Monthly and yearly discharge only for some periods, published in WSP 1315-A.

REVISED RECORDS.--WSP 1041: 1944. WSP 1931: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 2,453.00 ft above NGVD of 1929 (river-profile survey).

REMARKS.--Records good. Several small diversions upstream from station for irrigation and mining. See schematic diagram of North and Middle Yuba River Basins available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,500 ft³/s, Jan. 2, 1997, gage height, 25.65 ft, from rating curve extended above 11,900 ft³/s, on basis of one float measurement at 17,900 ft³/s and slope-area measurements at gage heights 19.15 and 23.8 ft; minimum daily, 60 ft³/s, Sept. 7-14, 1977.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,200 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb 23	2200	5,360	9.69
Mar 2	1845	6,040	10.17
May 5	0515	*9,560	*12.23

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	99	354	128	154	278	1,240	928	1,380	837	259	157	125
2	98	996	127	242	267	3,840	982	3,660	806	254	155	125
3	104	370	126	284	265	3,590	945	3,810	842	247	154	123
4	218	389	125	204	267	2,230	880	2,910	835	241	153	122
5	154	233	123	185	269	1,600	843	7,190	781	235	151	122
6	122	194	122	172	287	1,290	858	4,180	742	232	156	122
7	114	198	122	170	265	1,100	927	3,370	674	228	174	122
8	111	194	122	179	254	999	947	2,810	628	224	167	122
9	108	245	121	179	281	920	909	2,450	592	222	159	121
10	107	203	120	174	241	827	855	2,250	560	218	154	121
11	107	180	121	173	254	771	806	2,160	534	214	150	120
12	108	171	120	193	239	730	788	2,040	514	212	148	119
13	108	169	127	248	251	704	871	1,830	497	207	147	118
14	107	164	126	246	251	703	966	1,750	507	202	145	119
15	107	160	136	241	263	723	857	1,790	471	198	143	121
16	107	154	131	237	295	1,450	794	1,850	453	195	142	119
17	107	149	125	230	317	1,530	802	1,910	451	190	141	118
18	106	145	128	221	311	1,320	925	1,930	420	188	139	117
19	106	143	149	212	304	1,240	1,120	1,860	399	185	137	116
20	106	140	135	204	285	1,260	1,410	1,700	392	182	136	115
21	106	139	152	202	276	1,310	1,720	1,530	377	178	134	113
22	104	137	248	478	942	1,270	1,910	1,410	359	176	133	111
23	103	135	172	627	3,890	1,080	1,970	1,320	342	174	132	111
24	103	134	166	995	3,660	984	1,680	1,250	328	172	132	110
25	103	132	348	777	1,950	941	1,330	1,160	315	170	131	110
26	103	132	199	544	1,740	929	1,200	1,100	304	168	130	110
27	102	134	165	421	1,370	925	1,170	1,060	295	166	129	109
28	102	132	155	367	1,080	937	1,130	1,020	282	163	128	109
29	101	130	160	328	---	1,070	1,050	981	272	161	128	109
30	102	129	163	302	---	1,020	1,030	928	265	166	127	111
31	130	---	157	291	---	939	---	881	---	161	125	---
Total	3,463	6,285	4,619	9,480	20,352	39,472	32,603	65,470	15,074	6,188	4,437	3,510
Mean	112	210	149	306	727	1,273	1,087	2,112	502	200	143	117
Max	218	996	348	995	3,890	3,840	1,970	7,190	842	259	174	125
Min	98	129	120	154	239	703	788	881	265	161	125	109
Ac-ft	6,870	12,470	9,160	18,800	40,370	78,290	64,670	129,900	29,900	12,270	8,800	6,960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	182	337	649	865	947	1,072	1,375	1,812	1,082	358	185	150
Max	1,407	2,380	3,830	4,526	4,367	3,074	2,861	3,894	3,627	1,384	417	256
(WY)	(1963)	(1951)	(1965)	(1997)	(1986)	(1995)	(2006)	(1952)	(1983)	(1983)	(1983)	(1983)
Min	71.8	107	97.3	117	138	151	241	335	170	82.7	66.8	71.0
(WY)	(1978)	(1978)	(1977)	(1991)	(1977)	(1977)	(1977)	(1977)	(1992)	(1977)	(1977)	(1977)

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SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1931 - 2009	
Annual total	148,141		210,953			
Annual mean	405		578		750	
Highest annual mean					1,566	1982
Lowest annual mean					141	1977
Highest daily mean	2,220	May 16	7,190	May 5	29,600	Jan 2, 1997
Lowest daily mean	98	Sep 29	98	Oct 2	60	Sep 7, 1977
Annual seven-day minimum	99	Sep 26	102	Oct 24	60	Sep 7, 1977
Maximum peak flow			9,560	May 5	45,500	Jan 2, 1997
Maximum peak stage			12.23	May 5	25.65	Jan 2, 1997
Annual runoff (ac-ft)	293,800		418,400		543,100	
10 percent exceeds	986		1,390		1,840	
50 percent exceeds	206		224		328	
90 percent exceeds	107		114		127	

