

**11266500 Merced River at Pohono Bridge, near Yosemite, CA**

San Joaquin River Basin

LOCATION.--Lat 37°43'01", long 119°39'55" referenced to North American Datum of 1927, Mariposa County, CA, Hydrologic Unit 18040008, unsurveyed, in Yosemite National Park, on left bank, 150 ft upstream from Pohono Bridge, 0.4 mi upstream from Artist Creek, and 4.8 mi southwest of Yosemite National Park Headquarters.

DRAINAGE AREA.--321 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1916 to current year. Monthly discharge only for October and November 1916, published in WSP 1315-A.

CHEMICAL DATA: Water years 1971-72, 1981-82, 1994, 1995.

WATER TEMPERATURE: Water year 1995.

SEDIMENT DATA: Water year 1995.

GAGE.--Water-stage recorder. Elevation of gage is 3,861.66 ft above NGVD of 1929. Prior to Sept. 5, 1918, at datum 1.8 ft higher. Sept. 5, 1918, to Sept. 30, 1955, at datum 1.0 ft higher.

REMARKS.--Records good. No diversions between stations at Happy Isles Bridge and Pohono Bridge.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,600 ft<sup>3</sup>/s, Jan. 3, 1997, gage height, 23.43 ft, from floodmarks in gagehouse, from rating curve extended above 17,000 ft<sup>3</sup>/s, on basis of computation of flow over diversion dam for Yosemite Powerplant 1 mi downstream at gage heights 20.1 and 21.98 ft; minimum daily, 5.4 ft<sup>3</sup>/s, Oct. 26, 1977.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,900 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Apr 30	0400	*2,780	*6.62

## 11266500 Merced River at Pohono Bridge, near Yosemite, CA—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15	18	301	168	253	181	986	2,310	788	247	47	24
2	15	18	1,090	162	258	241	817	2,050	862	231	44	23
3	15	19	984	165	244	299	844	2,100	850	208	41	22
4	15	19	489	165	239	287	1,080	2,050	890	203	39	22
5	15	19	525	172	251	295	996	1,680	794	198	37	22
6	15	18	649	178	237	318	922	1,500	681	182	35	21
7	14	18	427	165	226	297	956	1,310	633	164	33	21
8	15	18	319	173	223	268	1,170	1,140	653	140	32	20
9	15	19	268	186	196	267	935	1,130	700	122	31	20
10	14	20	238	180	189	256	791	1,300	716	108	30	20
11	14	21	218	145	180	298	1,020	1,490	850	99	30	20
12	15	21	215	143	179	380	1,330	1,750	572	91	28	20
13	15	21	202	134	178	509	1,520	1,840	468	86	28	19
14	15	22	170	132	180	659	1,610	1,870	395	81	27	19
15	15	21	170	152	183	753	1,600	1,720	338	74	26	19
16	14	23	166	165	201	711	1,270	1,570	302	69	25	18
17	14	33	200	171	194	727	986	1,210	288	65	24	18
18	14	74	223	179	192	688	857	1,030	284	62	24	18
19	14	53	168	182	199	672	905	1,020	277	59	23	18
20	14	45	174	184	182	835	1,140	1,030	246	56	23	18
21	14	47	171	190	166	731	1,460	1,130	211	53	24	21
22	16	59	188	207	166	655	1,830	1,110	194	62	37	28
23	18	57	191	217	173	581	2,010	907	193	68	41	29
24	20	57	201	270	152	586	2,050	752	204	66	38	26
25	19	56	216	374	156	680	1,810	725	264	62	35	25
26	18	52	230	404	152	648	1,800	735	295	71	32	25
27	18	48	204	348	152	603	1,970	722	269	82	30	26
28	18	50	181	253	158	619	2,210	741	264	70	28	27
29	18	67	196	267	---	669	2,350	831	276	62	27	27
30	18	279	184	259	---	827	2,460	836	272	55	25	26
31	18	---	156	253	---	1,020	---	764	---	51	24	---
<b>Total</b>	487	1,292	9,314	6,343	5,459	16,560	41,685	40,353	14,029	3,247	968	662
<b>Mean</b>	15.7	43.1	300	205	195	534	1,390	1,302	468	105	31.2	22.1
<b>Max</b>	20	279	1,090	404	258	1,020	2,460	2,310	890	247	47	29
<b>Min</b>	14	18	156	132	152	181	791	722	193	51	23	18
<b>Ac-ft</b>	966	2,560	18,470	12,580	10,830	32,850	82,680	80,040	27,830	6,440	1,920	1,310

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1917 - 2013, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	65.4	120	183	207	249	439	1,129	2,354	1,920	647	147	62.7
<b>Max</b>	436	1,587	1,666	2,461	1,035	1,459	2,136	5,305	6,279	3,460	1,045	426
<b>(WY)</b>	(1983)	(1951)	(1951)	(1997)	(1986)	(1986)	(1982)	(1969)	(1983)	(1983)	(1983)	(1978)
<b>Min</b>	5.89	13.9	15.1	17.3	21.0	51.5	343	379	148	47.2	14.7	7.38
<b>(WY)</b>	(1978)	(1930)	(1977)	(1977)	(1991)	(1977)	(1977)	(1977)	(1924)	(1931)	(1977)	(1977)

11266500 Merced River at Pohono Bridge, near Yosemite, CA—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1917 - 2013	
<b>Annual total</b>	124,390		140,399			
<b>Annual mean</b>	340		385		628	
<b>Highest annual mean</b>					1,466	1983
<b>Lowest annual mean</b>					127	1977
<b>Highest daily mean</b>	3,650	Apr 26	2,460	Apr 30	21,000	Jan 2, 1997
<b>Lowest daily mean</b>	14	Oct 7	14	Oct 7	5.4	Oct 26, 1977
<b>Annual seven-day minimum</b>	14	Oct 15	14	Oct 15	5.6	Oct 20, 1977
<b>Maximum peak flow</b>			2,780	Apr 30	24,600	Jan 3, 1997
<b>Maximum peak stage</b>			6.62	Apr 30	23.43	Jan 3, 1997
<b>Annual runoff (ac-ft)</b>	246,700		278,500		454,800	
<b>10 percent exceeds</b>	1,060		1,100		1,920	
<b>50 percent exceeds</b>	111		181		186	
<b>90 percent exceeds</b>	18		18		25	

