

Water-Data Report 2011

11157500 Tres Pinos Creek near Tres Pinos, CA

Pajaro River Basin

LOCATION.--Lat 36°45'57", long 121°17'55" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.34, T.13 S., R.6 E., San Benito County, CA, Hydrologic Unit 18060002, in Santa Ana y Quien Sabe Grant, on right bank at north end of Highway 25 bridge, 2.3 mi southeast of Tres Pinos, and 4.7 mi upstream from mouth.

DRAINAGE AREA.--208 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1922 to May 1923, December 1939 to September 1983, October 1996 to current year. Published as "at highway bridge, near Tres Pinos" 1923, December 1939 to November 1941. Records from this station and the "at highway bridge, near Tres Pinos" station, published as nonequivalent records in WSP 1315B, are now considered equivalent except during low-flow, due to diversion and channel losses, and are combined in this record. An annual estimate for 1940 and monthly estimates for October and November 1940 published in WSP 1315B for this station are superseded by the records from "at highway bridge, near Tres Pinos."

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 515 ft above NGVD of 1929, from topographic map. December 1940 to September 1983 at site 1.5 mi upstream at different datum.

REMARKS.--Records fair. No regulation. Diversions above station for irrigation can divert total flow in summer months, and since 1962, diversions into basin above station from San Benito River (via Paicines Reservoir) for ground-water recharge and irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,200 ft³/s, Feb. 3, 1998, gage height, 16.00 ft, from floodmarks, from rating curve extended above 9,000 ft³/s, on basis of slope-area measurement of peak flow; no flow at times in several years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of February 1938 reached a stage of about 9.0 ft, from floodmarks, at datum then in use.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 450 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 2	1700	630	5.62
Feb 19	0530	667	5.69
Mar 20	1115	*1,350	*6.71
Mar 25	0415	941	6.14

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.7	5.9	4.7	12	2.9	20	31	3.1	5.8	4.7	5.7	5.4
2	6.6	5.8	4.7	272	2.1	16	24	2.8	5.9	4.6	5.8	5.3
3	6.7	5.9	4.6	183	2.1	14	20	2.8	6.0	4.6	5.7	5.4
4	6.9	5.1	4.6	56	2.1	11	16	2.7	6.1	4.6	5.7	5.3
5	7.0	4.8	4.9	30	2.0	8.2	13	2.7	5.8	4.6	5.8	5.3
6	7.0	5.0	5.2	20	2.0	6.8	11	2.7	5.9	4.6	6.0	5.2
7	5.8	5.3	5.2	14	1.9	13	9.5	2.8	5.7	4.6	6.0	4.9
8	2.7	5.4	5.2	11	2.0	18	13	2.9	5.8	4.4	6.0	5.0
9	2.5	5.3	5.2	7.4	1.9	9.7	14	2.9	5.6	4.3	6.1	5.2
10	2.4	5.4	5.0	5.7	1.9	7.1	9.2	2.8	5.4	4.1	6.2	5.2
11	2.3	5.0	5.0	4.2	1.9	5.4	7.2	2.9	5.4	4.0	6.3	5.4
12	2.3	5.0	5.0	3.1	2.0	4.5	6.4	3.2	5.4	4.1	6.2	5.2
13	2.6	5.3	5.0	2.9	2.0	3.8	6.0	4.4	5.4	4.1	6.1	5.2
14	4.1	4.8	5.0	2.7	2.0	3.1	5.6	4.7	5.3	4.3	6.1	5.2
15	4.2	4.5	4.6	2.6	2.0	2.8	5.1	5.1	5.2	4.3	6.0	5.3
16	4.3	4.7	2.8	2.5	2.3	2.7	4.4	5.1	5.3	4.4	5.8	5.3
17	4.5	4.8	2.7	2.4	3.4	2.8	3.8	5.3	5.4	4.5	5.9	5.2
18	4.5	5.1	2.8	2.2	201	2.9	3.8	5.3	5.4	4.4	5.9	5.1
19	4.5	5.5	3.1	2.2	372	6.1	3.7	5.2	5.3	4.3	6.0	5.1
20	4.5	6.0	3.1	2.1	193	616	3.6	5.4	5.1	4.1	6.0	5.1
21	4.5	5.9	2.8	2.1	81	292	3.6	5.4	5.0	4.2	6.0	5.1
22	4.5	5.7	2.8	2.0	44	125	3.5	5.6	4.9	4.3	6.0	5.1
23	4.6	5.6	2.6	2.0	26	78	3.5	5.4	5.0	4.3	5.9	5.1
24	4.6	5.6	2.5	2.0	19	107	3.5	5.3	5.1	4.4	5.7	5.2
25	4.6	5.3	2.7	2.0	26	488	3.5	5.4	5.1	4.6	5.6	5.4
26	5.6	5.1	2.7	2.0	112	192	3.4	5.4	5.0	5.5	5.6	5.4
27	7.7	5.0	2.6	2.0	48	249	3.3	5.5	4.9	5.6	5.5	5.3
28	7.2	5.0	2.6	2.0	27	115	3.3	5.5	5.0	5.7	5.4	5.1
29	5.9	4.8	45	2.0	---	78	3.3	5.7	5.1	5.8	5.4	5.2
30	6.0	4.7	37	2.3	---	55	3.2	5.7	4.8	5.8	5.5	5.3
31	6.0	---	20	2.2	---	41	---	5.8	---	5.6	5.4	---
Total	153.3	157.3	211.7	660.6	1,185.5	2,593.9	244.4	135.5	161.1	143.4	181.3	156.5
Mean	4.95	5.24	6.83	21.3	42.3	83.7	8.15	4.37	5.37	4.63	5.85	5.22
Max	7.7	6.0	45	272	372	616	31	5.8	6.1	5.8	6.3	5.4
Min	2.3	4.5	2.5	2.0	1.9	2.7	3.2	2.7	4.8	4.0	5.4	4.9
Ac-ft	304	312	420	1,310	2,350	5,140	485	269	320	284	360	310

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2.57	3.64	13.6	35.2	58.3	36.8	22.5	6.14	4.71	4.36	4.22	3.43
Max	7.40	23.0	205	313	835	391	327	76.1	29.8	18.9	20.6	14.1
(WY)	(1970)	(1997)	(1956)	(1997)	(1998)	(1983)	(1958)	(1998)	(1998)	(1979)	(1978)	(1983)
Min	0.00	0.00	0.00	0.09	0.88	0.52	0.18	0.01	0.00	0.00	0.00	0.00
(WY)	(2003)	(2003)	(2010)	(2004)	(1961)	(1948)	(1964)	(2004)	(2004)	(2002)	(2002)	(2002)

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	Calendar Year 2010	Water Year 2011	Water Years 1923 - 2011	
Annual total	3,616.57	5,984.5		
Annual mean	9.91	16.4	16.0	
Highest annual mean			98.9	1998
Lowest annual mean			0.62	2009
Highest daily mean	380	Mar 4	616	Mar 20
Lowest daily mean	0.00	Jan 1	1.9	Feb 7
Annual seven-day minimum	0.00	Jan 1	1.9	Feb 5
Maximum peak flow			1,350	Mar 20
Maximum peak stage			6.71	Mar 20
Annual runoff (ac-ft)	7,170	11,870	11,590	
10 percent exceeds	10	17	16	
50 percent exceeds	6.0	5.2	2.7	
90 percent exceeds	0.45	2.6	0.30	

