11348500 Pit River near Canby, CA

Sacramento River Basin

LOCATION.--Lat 41°24′22″, long 120°55′36″ referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.10, T.41 N., R.9 E., Modoc County, CA, Hydrologic Unit 18020002, on right bank, at lower end of Warm Spring Valley, 0.4 mi upstream from concrete highway bridge, and 3.9 mi southwest of Canby.

DRAINAGE AREA.--1,431 mi^2, excluding Goose Lake Basin.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1904 to December 1905, May 1929 to current year (1929-31 incomplete). Monthly discharge only for February and March 1904 published in WSP 1315-A.
CHEMICAL DATA: Water years 1951-79.
WATER TEMPERATURE: Water years 1965-79.
SEDIMENT DATA: Water years 1957-61, 1967-70.

REVISED RECORDS.--WSP 1445: 1904, 1935 (instantaneous maximum discharge), 1936, 1937 (instantaneous maximum discharge). WSP 1931: Drainage area. WSP 1315-A, 1950: Monthly total.

GAGE.--Water-stage recorder. Datum of gage is 4,266.00 ft above NGVD of 1929. January 1904 to December 1905, nonrecording gage and May 6, 1929, to Sept. 30, 1931, water-stage recorder, at site 100 ft upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Low flow regulated by many small reservoirs, total capacity about 144,000 acre-ft. Diversions for irrigation of about 39,000 acres upstream from station. See schematic diagram of Pit River and McCloud River Basins available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 13,000 ft^3/s, Mar. 8, 1904, gage height, 15.0 ft, site and datum then in use; no flow July 18, 19, 2000, July 14, 15, 2002, and several days during 2003.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 2	1115	*1,660	*6.04

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 11348500, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/11348500.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.0	59	131	74	265	173	60	2.3	2.2	9.5	1.1	0.73
2	7.6	54	996	71	247	221	89	1.8	2.2	1.9	1.1	0.84
3	4.1	66	996	63	240	283	143	1.5	2.5	1.3	1.1	0.81
4	5.6	57	566	53	243	312	137	1.2	2.5	1.1	1.2	0.79
5	4.4	27	421	46	261	309	104	1.2	2.4	0.92	1.4	0.83
6	2.6	30	283	46	300	297	109	1.8	1.4	0.83	1.4	0.85
7	4.8	42	214	48	e340	285	125	1.5	1.4	0.73	2.7	0.81
8	5.5	28	174	51	e274	252	169	2.9	1.4	0.91	2.8	0.80
9	4.4	17	150	55	e216	222	267	3.2	1.8	0.81	38	0.72
10	4.3	27	116	61	e181	199	316	2.3	32	0.93	48	0.80
11	4.6	28	94	67	e159	180	295	2.4	e9.0	0.82	6.2	1.0
12	3.7	32	107	68	e153	175	254	2.2	e3.5	0.77	3.0	0.98
13	2.7	47	102	62	140	175	193	2.0	e2.0	0.80	3.1	0.91
14	2.4	51	93	53	141	177	148	1.7	e1.5	0.84	2.7	1.1
15	2.5	48	79	48	161	176	107	3.0	1.2	0.99	1.7	1.2
16	2.5	42	88	46	203	166	107	20	1.1	0.90	1.4	1.5
17	2.8	46	110	47	263	163	70	21	8.4	0.87	1.3	1.0
18	3.3	62	106	47	271	147	47	66	13	0.87	1.1	1.1
19	8.0	68	82	50	248	136	16	100	7.8	0.88	1.1	2.9
20	17	68	109	52	213	139	13	56	5.1	0.99	0.99	1.8
21	15	73	111	52	184	147	12	25	6.6	1.1	1.0	1.4
22	23	57	102	51	172	129	11	125	14	0.88	1.1	1.1
23	28	50	78	50	176	108	11	44	8.7	1.5	1.0	1.1
24	54	56	113	51	164	80	9.9	3.0	3.7	2.0	1.1	1.1
25	63	56	109	70	152	66	8.6	1.8	1.3	1.2	0.92	1.2
26	99	43	114	169	138	72	7.7	1.9	1.4	1.0	1.2	1.4
27	120	41	102	367	124	62	6.6	8.9	63	1.3	0.96	1.2
28	113	42	79	528	125	53	5.3	7.9	86	1.4	0.72	1.3
29	82	45	87	442	---	50	3.8	6.0	73	2.2	0.83	1.5
30	84	237	83	347	---	72	3.1	4.6	59	1.2	0.78	2.6
31	61	---	63	285	---	53	---	3.7	---	0.98	0.70	---
Total	838.8	1,599	6,058	3,520	5,754	5,079	2,848.0	525.8	419.1	42.42	131.70	35.37
Mean	27.1	53.3	195	114	206	164	94.9	17.0	14.0	1.37	4.25	1.18
Max	120	237	996	528	340	312	316	125	86	9.5	48	2.9
Min	2.4	17	63	46	124	50	3.1	1.2	1.1	0.73	0.70	0.72
Ac-ft	1,660	3,170	12,020	6,980	11,410	10,070	5,650	1,040	831	84	261	70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	75.6	103	188	295	396	512	444	458	260	59.0	39.7	59.5
Max	1,068	418	1,225	1,684	2,249	1,749	2,774	2,176	1,746	312	125	201
(WY)	(1963)	(1982)	(1938)	(1970)	(1986)	(1972)	(1952)	(1995)	(1971)	(1971)	(1983)	(1998)
Min	0.26	12.7	31.0	14.7	19.2	5.83	1.29	2.32	3.53	0.78	0.22	0.28
(WY)	(1935)	(1935)	(1937)	(1937)	(1937)	(1934)	(1934)	(1992)	(1992)	(2003)	(1934)	(1934)

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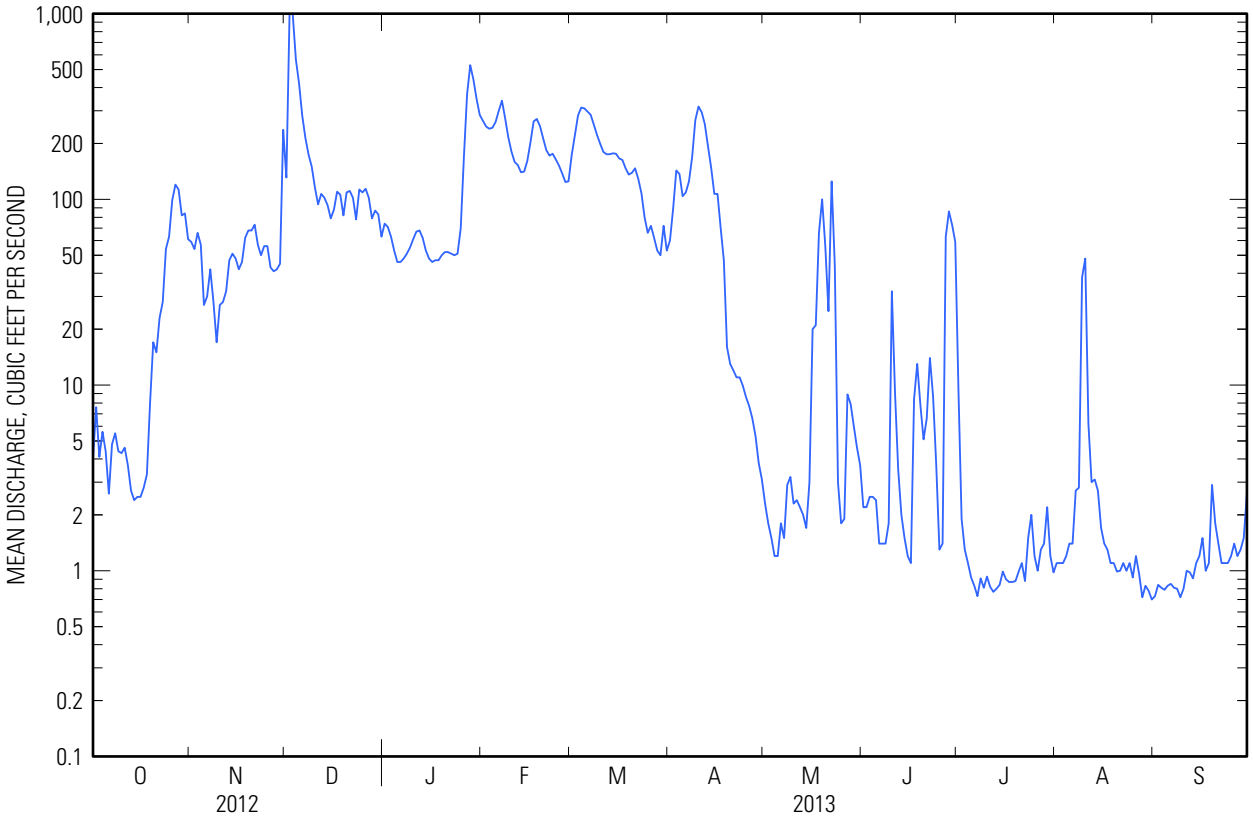
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1904 - 2013	
Annual total	24,068.6		26,851.19			
Annual mean	65.8		73.6		239	
Highest annual mean					676	1971
Lowest annual mean					22.4	1934
Highest daily mean	996	Dec 2	996	Dec 2	8,580	Feb 19, 1986
Lowest daily mean	1.1	Aug 18	0.70	Aug 31	0.00	Jul 18, 2000
Annual seven-day minimum	1.3	Aug 15	0.77	Aug 28	0.00	Jul 25, 2003
Maximum peak flow			1,660	Dec 2	13,000	Mar 8, 1904
Maximum peak stage			6.04	Dec 2	15.00	Mar 8, 1904
Annual runoff (ac-ft)	47,740		53,260		173,500	
10 percent exceeds	121		213		614	
50 percent exceeds	50		32		91	
90 percent exceeds	2.4		0.99		13