



Water-Data Report 2011

08420500 Pecos Rv at Pecos, TX

Lower Pecos Basin
Lower Pecos-Red Bluff Reservoir Subbasin

LOCATION.--Lat 31°26'11", long 103°28'01" referenced to North American Datum of 1927, Reeves County, TX, Hydrologic Unit 13070001.

DRAINAGE AREA.--26,236 mi² of which 4,136 mi² probably is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1898 to June 1907, April 1914 to August 1915, March 1922 to July 1926, August 1939 to December 1954, October 2007 to current year (daily mean discharge below 300 ft³/s). Published as "near Pecos" 1898-1907, as "near Barstow" 1914-15, and as "above Barstow" 1922-26. Records for February 1916 to May 1921 published as "near Barstow" are not equivalent owing to diversions by Ward County Irrigation District No.1 canal.

GAGE.--Nonrecording prior to June 30, 1907; recording thereafter. Datum of gage 2,552.0 ft above NGVD of 1929 prior to December 1954 (discontinued). Reestablished October 2007 at datum 2,552.88 ft above NAVD 1988. Prior to July 16, 1926, at several locations within 14 miles of present location at various datum. Aug. 15, 1938 to Oct. 12, 1946, at site 284 ft upstream at datum 2.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated above station by irrigation canals and Red Bluff Reservoir except for the period Feb. 1, 1916, to May 11, 1921. Some records listed in the period of record may not be available electronically.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--21 years (1899-1900, 1902-04, 1922-25, 1939-54), 214 cfs (154,900 acre-feet per year).

EXTREMES FOR PERIOD OF RECORD.--1899-1907, 1914-15, 1922-26, 1939-54: Maximum gage height about 20 ft, at site 195 ft upstream, present datum, Oct. 5, 1904, (discharge not determined); flood of Sept. 30, 1941, reached a stage of 19.68 ft, present datum, at site 284 ft upstream (discharge 22,200 cfs); no flow at times in 1953-54. Flood of Aug 1893 reached approximately the same stage as that of Oct. 5, 1904, from information by local residents.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12	10	7.1	5.9	4.8	4.3	4.2	125	41	48	84	53
2	39	10	6.8	5.8	4.7	4.3	2.8	185	42	30	90	55
3	51	10	6.7	5.9	4.6	4.3	2.0	191	43	24	93	62
4	59	10	6.7	5.9	4.3	4.3	1.5	168	50	15	95	87
5	76	10	6.5	5.9	5.4	4.0	1.1	139	58	11	79	84
6	53	10	6.3	5.9	5.2	3.8	0.95	104	55	15	66	73
7	38	10	6.5	6.1	4.9	3.8	12	87	55	9.4	59	72
8	28	9.9	6.7	6.3	4.8	3.6	80	83	45	30	62	71
9	21	10	6.5	6.4	5.4	3.5	154	81	39	33	67	71
10	17	9.9	6.6	6.2	5.2	3.4	196	79	33	31	66	70
11	14	10	6.7	5.9	5.1	3.2	216	78	29	26	68	70
12	12	11	6.3	5.9	4.9	3.2	234	84	27	21	88	71
13	11	10	6.3	6.1	4.8	3.1	221	77	25	16	85	70
14	9.2	10	6.7	6.3	4.7	3.1	167	76	25	11	76	70
15	8.2	37	6.9	6.2	5.7	3.0	157	75	31	8.3	69	72
16	7.6	60	6.6	5.9	41	3.0	158	45	38	5.9	e72	72
17	6.8	50	6.6	5.9	22	2.8	160	36	28	4.5	e67	73
18	43	44	6.5	5.9	16	2.6	162	35	39	3.4	e65	74
19	44	55	6.8	6.0	20	2.5	163	54	44	1.4	e63	72
20	46	67	6.7	6.0	46	2.3	163	68	53	2.2	e62	72
21	47	50	6.4	5.9	54	3.9	159	73	81	0.81	62	70
22	58	35	6.3	5.8	51	13	117	72	81	2.3	62	50
23	46	23	6.5	5.7	25	0.76	55	66	81	10	62	47
24	31	17	6.7	5.6	14	0.55	35	51	89	14	63	53
25	23	13	6.4	5.5	9.2	0.56	24	46	90	24	62	53
26	18	11	6.3	5.5	6.4	5.2	21	45	89	34	62	56
27	15	9.8	6.3	5.4	4.8	28	56	44	83	58	59	75
28	13	9.0	6.3	5.1	3.9	41	62	43	73	56	58	61
29	12	8.2	6.4	5.1	---	30	77	42	63	43	58	39
30	11	7.4	6.3	5.0	---	15	82	41	57	28	61	24
31	11	---	6.0	5.0	---	7.3	---	42	---	53	51	---
Mean	28.4	21.2	6.53	5.81	13.8	6.88	98.1	78.5	52.9	21.6	68.9	64.7
Max	76	67	7.1	6.4	54	41	234	191	90	58	95	87
Min	6.8	7.4	6.0	5.0	3.9	0.55	0.95	35	25	0.81	51	24
Ac-ft	1,750	1,260	401	357	769	423	5,840	4,830	3,150	1,330	4,240	3,850

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