

08253500 SANTISTEVAN CREEK NEAR COSTILLA, NM

Upper Rio Grande Basin
Upper Rio Grande Subbasin

LOCATION.--Lat 36°53'03", long 105°16'52" referenced to North American Datum of 1983, Taos County, NM, Hydrologic Unit 13020101, in Sangre de Cristo Grant, on left bank 200 ft upstream from road crossing, 1,300 ft upstream from normal high-water line of Costilla Reservoir, 0.6 mi north of Costilla Dam, and 16 mi southeast of Costilla.

DRAINAGE AREA.--2.15 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1937 to current year (seasonal records). Monthly discharge only for some periods, published in WSP 1312 and 1732.

REVISED RECORDS.--WSP 1923: drainage area.

GAGE.--Water-stage recorder with satellite telemetry and Parshall flume. Elevation of gage is 9,520 ft above NGVD of 1929, from topographic map. Prior to June 27, 1940, water-stage recorder and wooden control at datum 0.99 ft lower.

REMARKS.--Records fair except for those estimated, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge during periods of seasonal operation, 20 ft³/s, June 29, 1995; maximum gage height, 1.73 ft, Aug. 11, 1941; minimum, 0.20 ft³/s, Apr. 19, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during periods of seasonal operation, 12.0 ft³/s, July 29, gage height, 1.22 ft; minimum daily, e1.0 ft³/s, Oct. 4.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.2	---	---	---	---	---	---	e2.1	6.1	e5.1	2.8	1.6
2	1.2	---	---	---	---	---	---	2.3	6.3	e5.0	2.8	1.5
3	1.2	---	---	---	---	---	---	2.3	6.6	4.9	2.7	1.5
4	e1.0	---	---	---	---	---	---	2.4	6.8	4.9	2.7	1.5
5	---	---	---	---	---	---	---	2.4	7.1	4.9	2.6	1.5
6	---	---	---	---	---	---	---	2.4	7.1	4.6	2.5	1.4
7	---	---	---	---	---	---	---	2.3	6.9	4.5	2.3	1.4
8	---	---	---	---	---	---	---	2.3	6.8	4.5	2.4	1.4
9	---	---	---	---	---	---	---	2.4	6.7	4.3	2.3	1.4
10	---	---	---	---	---	---	---	2.4	6.5	4.3	2.2	1.5
11	---	---	---	---	---	---	---	2.5	6.5	4.2	2.2	1.4
12	---	---	---	---	---	---	---	2.6	6.7	4.3	2.1	1.3
13	---	---	---	---	---	---	---	2.9	7.6	4.6	2.1	1.3
14	---	---	---	---	---	---	---	3.1	6.8	4.1	2.1	1.3
15	---	---	---	---	---	---	---	3.0	6.5	3.8	2.0	1.2
16	---	---	---	---	---	---	---	3.2	6.3	3.6	2.8	1.2
17	---	---	---	---	---	---	---	3.8	6.1	3.5	2.3	1.3
18	---	---	---	---	---	---	---	3.9	6.0	3.4	2.1	1.3
19	---	---	---	---	---	---	---	4.5	5.9	3.4	1.9	1.2
20	---	---	---	---	---	---	---	4.5	5.8	3.6	1.9	1.5
21	---	---	---	---	---	---	---	4.7	5.8	3.4	1.9	1.3
22	---	---	---	---	---	---	---	4.8	e5.7	3.2	1.8	1.2
23	---	---	---	---	---	---	---	5.0	e5.7	3.2	1.8	1.4
24	---	---	---	---	---	---	---	5.2	e5.6	3.2	1.8	1.3
25	---	---	---	---	---	---	---	5.1	e5.5	2.9	1.7	1.2
26	---	---	---	---	---	---	---	5.1	e5.4	3.3	1.7	1.2
27	---	---	---	---	---	---	---	5.3	e5.3	3.0	1.6	1.2
28	---	---	---	---	---	---	---	5.6	e5.3	2.9	1.6	1.2
29	---	---	---	---	---	---	---	5.8	e5.2	3.7	2.0	1.2
30	---	---	---	---	---	---	---	6.0	e5.1	3.3	1.7	1.1
31	---	---	---	---	---	---	---	6.0	---	3.1	1.6	---
Total	---	---	---	---	---	---	---	115.9	185.7	120.7	66.0	40.0
Mean	---	---	---	---	---	---	---	3.74	6.19	3.89	2.13	1.33
Max	---	---	---	---	---	---	---	6.0	7.6	5.1	2.8	1.6
Min	---	---	---	---	---	---	---	2.1	5.1	2.9	1.6	1.1
Ac-ft	---	---	---	---	---	---	---	230	368	239	131	79

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