

07105600 SAND CREEK ABOVE MOUTH AT COLORADO SPRINGS, CO

Upper Arkansas Basin
Fountain Subbasin

LOCATION.--Lat 38°47'18", long 104°46'24" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.34, T.14 S., R.66 W., El Paso County, CO, Hydrologic Unit 11020003, on left bank 0.2 mi upstream from Las Vegas Street bridge at Colorado Springs, 0.7 mi upstream from mouth, and 4.0 mi southeast of courthouse in Colorado Springs.

DRAINAGE AREA.--52.5 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 2003 to current year (seasonal records only).

REVISED RECORDS.--WDR CO-04-1: 2003 (M).

GAGE.--Water-stage recorder with satellite telemetry, crest-stage gage, and concrete control. Elevation of gage is 5,837 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records poor. Natural flow of stream affected by several small storage reservoirs, ground-water withdrawals, and flows from sewage-treatment plants.

EXTREMES FOR PERIOD OF RECORD.--(seasonal only) Maximum discharge, 5,720 ft³/s, June 27, 2004, from rating curve extended above 681 ft³/s on basis of step-backwater analysis of flow, gage height, 6.22 ft, from floodmarks; minimum daily, 1.2 ft³/s, Aug. 21, 2003.

EXTREMES FOR CURRENT YEAR.--(seasonal only) Maximum discharge, 977 ft³/s, July 9, gage height, 3.80 ft, from rating curve extended above 681 ft³/s on basis of step-backwater analysis of flow; minimum daily, 1.3 ft³/s, May 11.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	5.3	3.3	3.9	2.1	20	4.6
2	---	---	---	---	---	---	5.6	2.3	1.5	3.8	6.2	3.1
3	---	---	---	---	---	---	4.7	2.5	1.5	16	55	5.9
4	---	---	---	---	---	---	3.4	2.3	1.7	27	110	5.3
5	---	---	---	---	---	---	3.2	2.4	2.5	132	7.3	4.5
6	---	---	---	---	---	---	3.1	5.3	2.8	112	38	4.0
7	---	---	---	---	---	---	2.7	2.6	2.1	12	9.9	5.0
8	---	---	---	---	---	---	2.0	2.4	1.7	36	10	7.1
9	---	---	---	---	---	---	2.4	2.1	2.4	285	12	34
10	---	---	---	---	---	---	2.9	2.2	1.7	26	5.9	61
11	---	---	---	---	---	---	2.8	1.3	2.4	21	3.2	113
12	---	---	---	---	---	---	2.5	1.6	1.8	8.4	17	47
13	---	---	---	---	---	---	2.7	1.9	2.4	4.6	7.2	8.7
14	---	---	---	---	---	---	2.9	2.0	2.1	4.3	6.6	7.1
15	---	---	---	---	---	---	3.3	2.2	1.7	4.0	3.1	4.8
16	---	---	---	---	---	---	3.8	2.0	50	4.0	7.5	4.6
17	---	---	---	---	---	---	4.5	1.7	6.9	54	5.4	3.6
18	---	---	---	---	---	---	4.3	1.6	4.2	59	4.3	2.3
19	---	---	---	---	---	---	3.7	2.2	3.5	5.9	158	3.3
20	---	---	---	---	---	---	3.3	2.3	3.5	26	15	3.7
21	---	---	---	---	---	---	3.6	1.6	5.3	8.9	8.2	129
22	---	---	---	---	---	---	2.6	3.7	2.7	4.8	5.8	92
23	---	---	---	---	---	---	4.0	4.0	1.9	4.0	4.3	29
24	---	---	---	---	---	---	5.0	3.0	1.6	4.8	3.7	6.7
25	---	---	---	---	---	---	3.4	2.7	100	8.8	143	4.9
26	---	---	---	---	---	---	2.1	2.8	14	29	199	4.9
27	---	---	---	---	---	---	3.0	2.7	2.7	6.6	61	4.2
28	---	---	---	---	---	---	3.9	2.4	2.5	5.2	10	4.9
29	---	---	---	---	---	---	3.2	3.0	1.9	3.7	6.2	3.9
30	---	---	---	---	---	---	2.7	3.1	2.0	3.7	3.2	3.7
31	---	---	---	---	---	---	---	3.3	---	18	4.7	---
Total	---	---	---	---	---	---	102.6	78.5	234.9	940.6	950.7	615.8
Mean	---	---	---	---	---	---	3.42	2.53	7.83	30.3	30.7	20.5
Max	---	---	---	---	---	---	5.6	5.3	100	285	199	129
Min	---	---	---	---	---	---	2.0	1.3	1.5	2.1	3.1	2.3
Ac-ft	---	---	---	---	---	---	204	156	466	1,870	1,890	1,220

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