

Water-Data Report 2013

**07099050 BEAVER CREEK ABOVE UPPER BEAVER CEMETERY NEAR PENROSE, CO**

Upper Arkansas Basin  
Upper Arkansas Subbasin

LOCATION.--Lat 38°33'42", long 105°01'17" referenced to North American Datum of 1927, in NW ¼ NE ¼ sec.20, T.17 S., R.68 W., Fremont County, CO, Hydrologic Unit 11020002, on downstream side of bridge on Fremont County Road 132, 1 mi downstream from Banta Gulch, 1.3 mi northeast of Upper Beaver Cemetery, and 9.2 mi north of Penrose.

DRAINAGE AREA.--122 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--March 1991 to November 2005 (seasonal records only) and March 2010 to current year (seasonal records only).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,020 ft above NGVD of 1929, from topographic map. Prior to Mar. 1, 2010, at site on left bank 55 ft upstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation, and diversions for municipal use by the City of Colorado Springs.

EXTREMES FOR PERIOD OF RECORD.--(seasonal only) Maximum discharge, 745 ft<sup>3</sup>/s, Sept. 13, 2013, gage height, 5.70 ft, from rating curve extended above 602 ft<sup>3</sup>/s; maximum gage height, 6.70 ft, Sept. 4, 1991; minimum daily, 0.75 ft<sup>3</sup>/s, Sept. 8, 2002.

EXTREMES FOR CURRENT YEAR.--(seasonal only) Maximum discharge, 745 ft<sup>3</sup>/s, Sept. 13, gage height, 5.70 ft; minimum daily, 1.6 ft<sup>3</sup>/s, Mar. 1-2.

## 07099050 BEAVER CREEK ABOVE UPPER BEAVER CEMETERY NEAR PENROSE, CO—Continued

**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	4.3	3.8	---	---	---	1.6	2.2	7.5	23	2.6	9.6	15
2	4.4	3.7	---	---	---	1.6	2.2	7.3	23	2.6	9.2	14
3	4.0	3.8	---	---	---	1.8	2.1	7.0	23	2.3	46	14
4	3.6	3.9	---	---	---	1.8	2.0	7.5	9.9	3.5	43	15
5	3.7	4.0	---	---	---	1.7	3.6	6.8	9.9	3.7	23	16
6	4.0	4.1	---	---	---	1.7	4.5	5.6	10	4.0	15	16
7	4.0	4.1	---	---	---	1.9	5.0	4.5	9.0	4.0	12	14
8	4.2	4.4	---	---	---	1.8	4.8	5.0	9.0	4.4	12	14
9	3.9	4.5	---	---	---	1.8	4.3	6.6	8.6	4.0	11	14
10	3.8	4.6	---	---	---	1.7	4.1	6.4	8.2	4.2	11	14
11	3.9	e4.2	---	---	---	1.8	4.6	6.4	7.8	4.4	12	16
12	4.0	e3.7	---	---	---	1.8	4.9	7.0	5.1	4.2	25	244
13	4.0	e4.5	---	---	---	1.8	4.8	7.0	4.0	4.4	55	559
14	4.0	e4.3	---	---	---	2.0	5.2	8.9	3.4	5.5	54	382
15	4.1	e4.5	---	---	---	2.1	4.9	9.0	3.4	11	54	362
16	4.1	4.6	---	---	---	2.3	4.8	9.0	3.5	8.3	52	384
17	4.1	4.6	---	---	---	2.2	5.2	9.9	3.5	7.0	51	309
18	3.9	4.7	---	---	---	2.0	5.1	10	3.6	9.7	50	287
19	4.2	4.4	---	---	---	1.9	5.1	10	3.6	11	49	248
20	4.3	3.0	---	---	---	1.8	5.3	10	2.8	13	46	222
21	4.4	2.7	---	---	---	2.1	5.2	11	2.3	14	47	195
22	4.4	2.9	---	---	---	1.9	5.2	10	2.1	12	52	192
23	4.5	2.8	---	---	---	2.0	5.3	10	2.1	11	55	199
24	4.3	2.8	---	---	---	1.7	5.1	11	2.2	8.5	52	178
25	4.2	3.0	---	---	---	1.8	5.3	13	2.0	11	51	168
26	4.3	2.7	---	---	---	1.9	5.4	13	1.9	11	41	161
27	4.2	e2.4	---	---	---	2.2	5.2	13	1.8	9.5	21	155
28	4.2	e2.5	---	---	---	2.1	5.3	15	1.8	9.6	18	150
29	4.1	2.8	---	---	---	2.1	5.5	22	2.3	11	17	147
30	3.9	2.6	---	---	---	2.1	6.2	23	2.5	11	12	143
31	4.0	---	---	---	---	2.2	---	23	---	10	13	---
<b>Total</b>	127.0	110.6	---	---	---	59.2	138.4	315.4	195.3	232.4	1,018.8	4,847
<b>Mean</b>	4.10	3.69	---	---	---	1.91	4.61	10.2	6.51	7.50	32.9	162
<b>Max</b>	4.5	4.7	---	---	---	2.3	6.2	23	23	14	55	559
<b>Min</b>	3.6	2.4	---	---	---	1.6	2.0	4.5	1.8	2.3	9.2	14
<b>Ac-ft</b>	252	219	---	---	---	117	275	626	387	461	2,020	9,610

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