

Water-Data Report 2013

**07155590 CIMARRON RIVER NEAR ELKHART, KS**

Upper Cimarron Basin  
Upper Cimarron Subbasin

LOCATION.--Lat 37°07'19", long 101°53'51" referenced to North American Datum of 1927, in NW ¼ SW ¼ NW ¼ sec.4, T.34 S., R.42 W., Morton County, KS, Hydrologic Unit 11040002, Cimarron National Grasslands, on left bank at downstream side of bridge on Kansas Highway 27, 8.0 mi north of Elkhart, and at mile 499.4.

DRAINAGE AREA.--2,899 mi<sup>2</sup> of which 483 mi<sup>2</sup> probably is noncontributing, does not contribute directly to surface runoff.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--April 1971 to April 2013 (discontinued).

REVISED RECORDS.--WDR KS-84-1: 1983.

GAGE.--Water-stage recorder. Datum of gage is 3,376.89 ft above NGVD of 1929. Prior to May 25, 1999, at datum 5.0 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.—No peak discharges greater than base discharge of 1,000 ft<sup>3</sup>/s were available this year.

## 07155590 CIMARRON RIVER NEAR ELKHART, KS—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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
13	e0.17	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
29	0.00	0.00	0.00	0.00	---	0.00	0.00	---	---	---	---	---
30	0.00	0.00	0.00	0.00	---	0.00	0.00	---	---	---	---	---
31	0.00	---	0.00	0.00	---	0.00	---	---	---	---	---	---
<b>Mean</b>	0.01	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
<b>Max</b>	0.17	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
<b>Min</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---
<b>Ac-ft</b>	0.3	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	---	---

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2013, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	0.04	0.04	0.17	0.27	0.20	0.48	4.48	25.5	20.7	9.72	23.0	5.74
<b>Max</b>	1.12	1.52	6.88	10.3	7.06	16.9	107	519	368	113	239	102
<b>(WY)</b>	(1974)	(1998)	(1998)	(1998)	(1998)	(1998)	(1977)	(1977)	(1978)	(1977)	(1997)	(1973)
<b>Min</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>(WY)</b>	(1972)	(1972)	(1972)	(1972)	(1972)	(1972)	(1972)	(1985)	(1983)	(1974)	(1978)	(1972)

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**SUMMARY STATISTICS**

	<b>Calendar Year 2012</b>		<b>Water Years 1972 - 2013</b>	
<b>Annual mean</b>	0.00		7.60	
<b>Highest annual mean</b>			82.6	1977
<b>Lowest annual mean</b>			0.00	1985
<b>Highest daily mean</b>	0.17	Oct 13	6,190	May 26, 1977
<b>Lowest daily mean</b>	0.00	Jan 1	0.00	Oct 1, 1971
<b>Annual seven-day minimum</b>	0.00	Jan 1	0.00	Oct 1, 1971
<b>Maximum peak flow</b>			21,500	May 26, 1977
<b>Maximum peak stage</b>			9.17	May 26, 1977
<b>Annual runoff (ac-ft)</b>	0.3		5,500	
<b>10 percent exceeds</b>	0.00		0.23	
<b>50 percent exceeds</b>	0.00		0.00	
<b>90 percent exceeds</b>	0.00		0.00	