



Water-Data Report 2011

07099080 RED CREEK BELOW SULLIVAN PARK AT FORT CARSON, CO

Upper Arkansas Basin
Upper Arkansas Subbasin

LOCATION.--Lat 38°29'59", long 104°54'48" referenced to North American Datum of 1983, in SE ¼ NW ¼ sec.8, T.18 S., R.67 W., Pueblo County, CO, Hydrologic Unit 11020002, on Fort Carson Military Reservation, on right bank 0.8 mi downstream from Sullivan Park outflow, 1.5 mi south of Camp Red Devil, 1.5 mi east of State Highway 115, and 4.9 mi northeast of Penrose.

DRAINAGE AREA.--26.6 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 2000 to September 2003 (seasonal records only). April 2004 to current year (annual maximum only).

GAGE.--Nonrecording gage. Elevation of gage is 5,783 ft above NGVD of 1929, from topographic map. Prior to October 2003, water-stage recorder and crest-stage gage at same site and datum.

REMARKS.--Records poor. Natural flow of stream affected by erosion-control and livestock-watering reservoirs.

EXTREMES FOR PERIOD OF RECORD.--(seasonal only) Maximum discharge, 2,320 ft³/s, Aug. 8, 2003, gage height, 5.81 ft, from rating curve based on slope-conveyance computation; maximum gage height, 5.90 ft, July 5, 2006, from floodmarks; no flow on most days.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Sep 14, 2011	^a 339	---	^b 4.28	---

^a From rating curve based on slope-conveyance computation.

^b From floodmarks.