



Water-Data Report 2013

06477150 ROCK CREEK NEAR FULTON, SD

James Basin
Lower James Subbasin

LOCATION.--Lat 43°45'30", long 97°54'32" referenced to North American Datum of 1927, in NE ¼ NE ¼ sec.4, T.103 N., R.59 W., Hanson County, SD, Hydrologic Unit 10160011, on right downstream wingwall of highway bridge, 4.8 mi northwest of Fulton, and 9.3 mi upstream from mouth.

DRAINAGE AREA.--238 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1967-1972 (continuous-record gaging station), 1973-1979, 1989-present.

REVISED RECORDS.--WDR SD-10-1: Drainage area.

GAGE.--Partial-record crest-stage gage. Elevation of gage is 1,240 ft above NGVD of 1929, from topographic map. Prior to August 1989 at site 0.16 mi upstream from present location and different datum. From August 1989 to August 1995 at site 0.16 mi upstream from present location and same datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,720 ft³/s, May 7, 2007, gage height, 14.11 ft; maximum gage height, 14.56 ft, Mar. 18, 2011 (backwater from ice).

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Mar 12, 2013	200	2	8.63	1

Discharge qualification code:

2 - Discharge is an estimate

Gage height qualification code:

1 - Gage height affected by backwater

06477150 ROCK CREEK NEAR FULTON, SD—Continued

WATER-QUALITY RECORDS

WATER-QUALITY DATA

WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

[ft³/s, cubic feet per second; °C, degrees Celsius; μS/cm, microsiemens per centimeter]

Date	Sample start time	Discharge, instantaneous, ft³/s (00061)	Specific conductance, water, unfiltered, μS/cm at 25°C (00095)	Temperature, air, °C (00020)	Temperature, water, °C (00010)
03-14-2013	1637	101	423	10.0	0.5