

06479520 BIG SIOUX RIVER BELOW WATERTOWN, SD

Big Sioux Basin
Upper Big Sioux Subbasin

LOCATION.--Lat 44°50'52", long 97°02'57" referenced to North American Datum of 1927, in NE ¼ NE ¼ NE ¼ sec.22, T.116 N., R.52 W., Codington County, SD, Hydrologic Unit 10170202, on left bank near the downstream end of bridge on township gravel road, 3.0 river miles downstream from mouth of Willow Creek, 3.3 river miles upstream from the Codington-Hamlin County line, and 4.1 mi southeast of Watertown.

DRAINAGE AREA.--999 mi² of which 480 mi² probably is noncontributing, documented runoff occurred during 1994-2002 water years for 213 mi² of the usually noncontributing area.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1994-2008 (continuous-record gaging station), 2009-present.

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

GAGE.--Seasonal water-stage recorder and crest-stage gage. Datum is 1,694.29 ft above NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,700 ft³/s, Apr. 11, 1997, gage height, 12.99 ft; maximum gage height, 13.13 ft, Apr. 2, 1997 (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	Peak gage height date	Peak gage height, in ft	Peak gage height qualification code
Apr 28, 2013	510	5	7.80	2	Mar 16, 2013	8.90	1

Discharge qualification code:

5 - Discharge affected to unknown degree by regulation or diversion

Gage height qualification code:

2 - Gage height not the maximum for the year

Peak gage height qualification code:

1 - Peak gage height affected by backwater

06479520 BIG SIOUX RIVER BELOW WATERTOWN, 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, instanta- neous, ft³/s (00061)	Specific conduc- tance, water, unfiltered, μS/cm at 25°C (00095)	Tempera- ture, air, °C (00020)	Tempera- ture, water, °C (00010)
04-08-2013	1300	144	633	3.0	1.0
04-26-2013	0732	111	849	3.0	3.5