

**06481400 BIG SIOUX RIVER BELOW DIVERSION, AT SIOUX FALLS, SD**

Big Sioux Basin  
Lower Big Sioux Subbasin

LOCATION.--Lat 43°34'23", long 96°45'50" referenced to North American Datum of 1927, in NE ¼ NE ¼ NW ¼ sec.7, T.101 N., R.49 W., Minnehaha County, SD, Hydrologic Unit 10170203, on right bank at downstream side of walkway bridge, about 3.4 mi upstream from confluence with Skunk Creek, and in the City of Sioux Falls.

DRAINAGE AREA.--3,998 mi<sup>2</sup> of which 869 mi<sup>2</sup> probably is noncontributing.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--2002-present.

REVISED RECORDS.--WDR SD-06-1: 2004-05(M), WDR SD-10-1: Drainage area.

GAGE.--Seasonal water-stage recorder and crest-stage gage. Datum of gage is 1,403.55 ft above NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1000 ft<sup>3</sup>/s (estimated), May 17, 2007, gage height, 7.59 ft.

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

Date	Discharge, in ft <sup>3</sup> /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
May 9, 2013	500	6	6.99	1

Discharge qualification code:

6 - Discharge affected by regulation or diversion

Gage height qualification code:

1 - Gage height affected by backwater

**06481400 BIG SIOUX RIVER BELOW DIVERSION, AT SIOUX FALLS, SD—Continued****WATER-QUALITY RECORDS****WATER-QUALITY DATA****WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

[ft<sup>3</sup>/s, cubic feet per second; °C, degrees Celsius; μS/cm, microsiemens per centimeter]

<b>Date</b>	<b>Sample start time</b>	<b>Discharge, instantaneous, ft<sup>3</sup>/s (00061)</b>	<b>Specific conductance, water, unfiltered, μS/cm at 25°C (00095)</b>	<b>Temperature, air, °C (00020)</b>	<b>Temperature, water, °C (00010)</b>
03-11-2013	1007	101	738	-5.0	0.5
05-09-2013	1150	263	814	13.0	12.0