

06479512 BIG SIOUX RIVER AT BROADWAY, AT WATERTOWN, SD

Big Sioux Basin
Upper Big Sioux Subbasin

LOCATION.--Lat 44°53'22", long 97°07'07" referenced to North American Datum of 1927, in NE ¼ NE ¼ NW ¼ sec.6, T.116 N., R.52 W., Codington County, SD, Hydrologic Unit 10170202, on right downstream bank at bridge on Broadway Street, 0.1 mi south of the intersection with U.S. Highway 212, 0.3 mi downstream from the confluence of Big Sioux River and Pelican Lake outflow (low flow), and 1.7 mi upstream from Willow Creek.

DRAINAGE AREA.--868 mi² of which 480 mi² probably is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1997, 2000-present.

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

GAGE.--Seasonal water-stage recorder and crest-stage gage. Datum of gage is 1,701.41 ft above NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,760 ft³/s (measured), Apr. 12, 1997, gage height, 13.53 ft (backwater from ice); maximum gage height, 13.67 ft (observed), Apr. 6, 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 |
|--------------|----------------------------------|------------------------------|--------------------|--------------------------------|
| Apr 30, 2013 | 345 | 5 | 8.66 | --- |

Discharge qualification code:

5 - Discharge affected to unknown degree by regulation or diversion

06479512 BIG SIOUX RIVER AT BROADWAY, AT 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, instantaneous, ft ³ /s (00061) | Specific conductance, water, unfiltered, μS/cm at 25°C (00095) | Temperature, air, °C (00020) | Temperature, water, °C (00010) |
|------------|-------------------|--|--|------------------------------|--------------------------------|
| 04-26-2013 | 0942 | 72 | 723 | 4.5 | 4.0 |
| 04-29-2013 | 0905 | 309 | 404 | 8.0 | 8.0 |