

06479498 SOUTH BRANCH TRIBUTARY MUD CREEK NEAR RAUVILLE, SD

Big Sioux Basin
Upper Big Sioux Subbasin

LOCATION.--Lat 44°57'11", long 97°06'23" referenced to North American Datum of 1927, in SE ¼ NE ¼ SE ¼ sec.7, T.117 N., R.52 W., Codington County, SD, Hydrologic Unit 10170202, on right bank 40 ft north of right edge of wingwall, 4.3 mi north from junction of U.S. Highways 81 and 212 or by driving south 1.9 mi on U.S. Highway 81 from the town of Rauville.

DRAINAGE AREA.--15.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--2000-present.

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

GAGE.--Seasonal water-stage recorder and crest-stage gage. Datum of gage is 1,735.43 ft above NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 450 ft³/s, Mar. 23, 2011, gage height, 5.26 ft (backwater from ice); maximum gage height, 5.62 ft, Mar. 15, 2009 (backwater from ice, from floodmark).

**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
Jun 23, 2013	118	---	3.73	1,2	Apr 4, 2013	3.96	1

Gage height qualification codes:

- 1 - Gage height affected by backwater
- 2 - Gage height not the maximum for the year

Peak gage height qualification code:

- 1 - Peak gage height affected by backwater

06479498 SOUTH BRANCH TRIBUTARY MUD CREEK NEAR RAUVILLE, 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	1042	18	632	1.5	0.5
04-29-2013	1358	20	688	22.0	12.0