

06416000 RAPID CREEK BELOW HAWTHORN DITCH, AT RAPID CITY, SD

Cheyenne Basin
Rapid Subbasin

LOCATION.--Lat 44°04'02.2", long 103°10'49.7" referenced to North American Datum of 1927, in NW ¼ NW ¼ NE ¼ sec.8, T.1 N., R.8 E., Pennington County, SD, Hydrologic Unit 10120110, 1.5 mi downstream from diversion to Hawthorn Ditch and 1.0 mi upstream from diversion to Murphy Ditch.

DRAINAGE AREA.--423 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1947-1954, May 1980 to July 1982 (continuous-record gaging station), 2000-present.

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

GAGE.--Seasonal water-stage recorder and crest-stage gage. Datum of gage is 3,124.18 ft above NGVD of 1929. METWARN station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,130 ft³/s, May 23, 1952, gage height, 9.19 ft (at different site and datum); maximum gage height, 16.26 ft, May 24, 2010.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 9-10, 1972, reached a stage of 24.3 ft, present datum, from floodmark established by U.S. Army Corps of Engineers.

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

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
May 29, 2013	1,090	6	15.48	---

Discharge qualification code:

6 - Discharge affected by regulation or diversion