

Water-Data Report 2013

**06441110 PLUM CREEK BELOW HAYES, SD**

Fort Randall Reservoir Basin  
Bad Subbasin

LOCATION.--Lat 44°12'38", long 100°43'34" referenced to North American Datum of 1927, in NW ¼ NW ¼ NW ¼ sec.23, T.3 N., R.28 E., Stanley County, SD, Hydrologic Unit 10140102, on left bank at downstream side of county bridge, 0.3 mi upstream from mouth, 3.0 mi southwest of Wendte, 18.5 mi southeast of Hayes, and 21.2 mi southwest of Ft. Pierre.

DRAINAGE AREA.--296 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--1989-1995 (continuous-record gaging station), 1998-present.

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

GAGE.--Partial-record crest-stage gage. Elevation of gage is 1,612 ft above NGVD of 1929, from topographic map.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,500 ft<sup>3</sup>/s (discharge determined by indirect measurement of peak flow), May 30, 1991, gage height, 23.74 ft (from floodmark).

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

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>	<b>Discharge qualification code</b>	<b>Gage height, in ft</b>	<b>Gage height qualification code</b>
May 21, 2013	270	---	9.15	---

**06441110 PLUM CREEK BELOW HAYES, 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, instanta- neous, ft<sup>3</sup>/s (00061)</b>	<b>Specific conduc- tance, water, unfiltered, μS/cm at 25°C (00095)</b>	<b>Tempera- ture, air, °C (00020)</b>	<b>Tempera- ture, water, °C (00010)</b>
04-26-2013	0848	2.5	2,780	14.5	10.5
06-04-2013	1402	3.1	5,100	24.0	22.4