



Water-Data Report 2006

06438800 ELM CREEK NEAR RED OWL, SD

Cheyenne Basin
Cherry Subbasin

LOCATION.--Lat 44°45'04", long 102°26'55" referenced to North American Datum of 1927, in NW ¼ SW ¼ SW ¼ sec.8, T.9 N., R.14 E., Meade County, SD, Hydrologic Unit 10120113, on Fox Ridge Road, 6.2 mi northeast of Red Owl and 1.2 mi southwest of the confluence of Elm Creek and Sulphur Creek. Elevation of gage is 2,455 ft above NGVD of 1929, from topographic map.

DRAINAGE AREA.--15 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1999-present.

REMARKS.--Peak for 2006 WY was observed and/or measured.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 92 ft³/s, July 7, 2000, gage height, 5.16 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 5, 2006	0.75	---	1.58	---

06438800 ELM CREEK NEAR RED OWL, SD—Continued

WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Date	Time	Instan- taneous dis- charge, cfs (00061)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)
Apr					
05...	1130	.75	2,220	19.0	10.5
May					
11...	1120	--	3,170	17.5	12.0