



Water-Data Report 2008

435453106104701 POWDER RIVER BELOW WILLOW CREEK, NEAR SUSSEX, WY

Powder Basin
Upper Powder Subbasin

LOCATION.--Lat 43°54'52.8", long 106°10'47.1" referenced to North American Datum of 1983, Johnson County, WY, Hydrologic Unit 10090202.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 2005 to current year.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 2

Date	Time	Instantaneous discharge, ft ³ /s (00061)	Turbidity white light, 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
Jul 21...	1200	84	86	654	7.5	108	8.4	2,980	33.0	25.3	620	142	64.3

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 2

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium fraction of cations percent (00932)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat fltrd end lab, mg/L as CaCO ₃ (29801)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO ₂ (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, dissolved, tons/d (70302)
Jul 21...	11.3	7.1	58	405	209	344	.65	9.11	880	1,980	2.70	447