



Water-Data Report 2006

453209105201201 POWDER RIVER BELOW LITTLE POWDER RIVER, NEAR BROADUS, MT

Powder Basin
Lower Powder Subbasin

LOCATION.--Lat 45°32'09", long 105°20'12" referenced to North American Datum of 1927, in SW ¼ NE ¼ NW ¼ sec.32, T.3 S., R.52 E., Powder River County, MT, Hydrologic Unit 10090209, about 5 mi below Little Powder River and 10 mi northeast of Broadus.

DRAINAGE AREA.--Not determined.

WATER-QUALITY RECORDS

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

GAGE.--None. Elevation at sampling site is 2,980 ft, referenced to the National Geodetic Vertical Datum of 1929.

REMARKS.--Water-quality sample was collected in conjunction with biological sample (fish and aquatic macro invertebrates). Biological data are not yet available for publication.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 1 of 2

Date	Time	Instantaneous discharge, cfs (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, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
Aug 03...	1330	.01	4.2	695	8.3	112	8.1	3,010	35.5	25.0	830	189	86.4

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 2 of 2

Date	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (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)
Aug 03...	14.2	6	376	289	128	.43	15.4	1,200	2,180	2.97	.06