



Water-Data Report 2008

445832106551401 YOUNGS CREEK ABOVE MOUTH, NEAR DECKER, MT

Tongue Basin
Upper Tongue Subbasin

LOCATION.--Lat 44°58'32", long 106°55'14" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.30, T.58 N., R.83 W., Sheridan County, Hydrologic Unit 10090101, at Wyoming Highway 338, 1.2 mi upstream from mouth, near Decker.

DRAINAGE AREA.--62.3 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--None. Elevation at sampling site is 3,570 ft, referenced to the National Geodetic Vertical Datum of 1929.

REMARKS.-- The water-quality sampling on June 26 was conducted in conjunction with aquatic ecology sampling for an interagency task group studying the effects of coal-bed natural gas development. Additional information is available at: <http://wy.water.usgs.gov/projects/atg/index.htm>.

**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, det ang 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 μS/cm (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)
Jun 26...	0900	4.0	58	668	8.2	100	7.9	923	24.0	18.0	460	76.9	64.6

**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, 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, dis-solved, tons/d (70302)
Jun 26...	8.59	.7	34.0	384	2.68	.65	16.6	157	592	.80	6.38