



Water-Data Report 2008

450047106514201 SQUIRREL CREEK ABOVE MOUTH, AT DECKER, MT

Tongue Basin
Upper Tongue Subbasin

LOCATION.--Lat 45°00'47", long 106°51'42" referenced to North American Datum of 1927, in NW ¼ SE ¼ SW ¼ sec.29, T.9 S., R.40 E., Big Horn County, MT, Hydrologic Unit 10090101, at Montana Highway 314, 2 mi north of Montana-Wyoming state line, 0.7 mi upstream from mouth, and at Decker.

DRAINAGE AREA.--Undetermined.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2002 to June 2005 and July 2007 to current year.

GAGE.--None. Elevation at sampling site is 3,510 ft, referenced to the National Geodetic Vertical Datum of 1929.

REMARKS.--The water-quality sample collected at this site was made in conjunction with aquatic ecology samples collected 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 25...	0830	1.8	14	671	7.7	93	7.9	1,750	20.0	19.5	830	92.2	146

**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 (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 25...	9.23	1.7	113	485	3.64	.52	9.29	587	1,250	1.70	6.22