



Water-Data Report 2008

06306100 SQUIRREL CREEK NEAR DECKER, MT

Tongue Basin
Upper Tongue Subbasin

LOCATION.--Lat 45°03'05", long 106°55'36" referenced to North American Datum of 1927, in NE ¼ NW ¼ NW ¼ sec.14, T.9 S., R.39 E., Big Horn County, MT, Hydrologic Unit 10090101, on left bank 0.4 mi upstream from Powers Cormack ditch, 0.5 mi northwest of CX Ranch, 4 mi northwest of Decker.

DRAINAGE AREA.--33.6 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1975 to June 1985, June 2005 to current year.

GAGE.--None. Elevation at site is 3,660 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 unfiltered, μS/cm 25 degC (00095)	Temperature, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
Jun 25...	1315	2.3	15	665	13.2	173	8.4	1,290	21.5	670	88.0	110	7.88

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

Part 2 of 2

Date	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...	.8	50.0	408	2.68	.43	11.3	327	842	1.15	5.25