



Water-Data Report 2008

451607106372801 TONGUE RIVER AT PRAIRIE DOG CREEK, NEAR BIRNEY, MT

Tongue Basin
Lower Tongue Subbasin

LOCATION.--Lat 45°16'07", long 106°37'28" referenced to North American Datum of 1927, in SE ¼ NE ¼ SE ¼ sec.31, T.6 S., R.42 E., Rosebud County, MT, Hydrologic Unit 10090102, at mouth of Prairie Dog Creek, 7 mi southwest of Birney, and at river mile 176.1.

DRAINAGE AREA.--Not determined.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1977, November 1978, August 2005 to current year.

GAGE.--None. Elevation of site is 3,200 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, cfs (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, 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)
Sep 09...	1000	406	5.0	675	9.0	101	8.7	427	10.5	15.0	180	39.6	19.4

**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, water fltrd, 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, dis-solved, tons/d (70302)
Sep 09...	2.44	.6	19.7	152	2.16	.22	5.47	71.4	252	.34	276