



Water-Data Report 2008

06305700 GOOSE CREEK NEAR ACME, WY

Tongue Basin
Upper Tongue Subbasin

LOCATION.--Lat 44°53'11", long 106°59'18" referenced to North American Datum of 1927, in SE ¼ SE ¼ NE ¼ sec.28, T.57 N., R.84 W., Sheridan County, WY, Hydrologic Unit 10090101, on right bank 0.2 mi north of county road, 1.6 mi south of Acme, and 3.4 mi upstream from mouth.

DRAINAGE AREA.--413 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1983-89, 2004 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 2004 to September 2007 (discontinued).

REMARKS.--The water quality sampling on August 4 was conducted in conjunction with aquatic ecology sampling. 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, 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 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)
Aug 04...	1600	34	3.8	669	10.0	140	8.6	705	31.5	25.2	320	61.9	39.6

**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 fraction of cations percent (00932)	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, dissolved, tons/d (70302)
Aug 04...	3.74	.7	15	27.1	239	10.0	.29	3.52	135	425	.58	39.2