



Water-Data Report 2006

**445957106524701 TONGUE RIVER BELOW YOUNGS CREEK, NEAR DECKER, MT**

Tongue Basin  
Upper Tongue Subbasin

LOCATION.--Lat 44°59'57", long 106°52'47" referenced to North American Datum of 1927, in NE ¼ NE ¼ SW ¼ sec.31, T.9 S., R.40 E., Big Horn County, MT, Hydrologic Unit 10090101, 0.20 mi downstream of Montana-Wyoming State line, about 3 mi below the mouth of Youngs Creek, and about 2 mi south of Decker.

DRAINAGE AREA.--Not determined.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--August 2005 to current year.

GAGE.--None. Elevation of site is 4,680 ft, referenced to the National Geodetic Vertical Datum of 1929.

REMARKS.--Water-quality sample was collected in conjunction with biological sample (fish and aquatic macro invertebrates). Biological data are not yet available for publication.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 1 of 2

| Date      | Time | Instantaneous discharge, cfs (00061) | Turbidity white light, det ang 90+/-30 corrcrtd NTRU (63676) | Barometric pressure, mm Hg (00025) | Dissolved oxygen, mg/L (00300) | Dissolved oxygen, percent of saturation (00301) | pH, water, unfltrd std units (00400) | Specific conductance, wat unfiltered uS/cm 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) |
|-----------|------|--------------------------------------|--|------------------------------------|--------------------------------|---|--------------------------------------|--|---------------------------------|-----------------------------------|--|-------------------------------------|---------------------------------------|
| Aug 24... | 0830 | 23                                   | 12   | 669                                | 7.3                            | 91  | 7.9                                  | 695  | 25.0                            | 19.0                              | 290                                    | 49.0                                | 41.9                                  |

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 2 of 2

| Date      | Potassium, water, fltrd, mg/L (00935) | Sodium adsorption ratio (00931) | Sodium, water, fltrd, mg/L (00930) | Alkalinity, water fltrd end lab, 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, fltrd, dissolved, tons/d (70302) |
|-----------|---------------------------------------|---------------------------------|------------------------------------|--|--------------------------------------|--------------------------------------|------------------------------------|-------------------------------------|--|--|---|
| Aug 24... | 3.98                                  | .8                              | 33.3                               | 227  | 6.73                                 | .29                                  | 4.72                               | 145                                 | 421  | .57  | 25.9  |