



Water-Data Report 2007

**06284500 BITTER CREEK NEAR GARLAND, WY**

Big Horn Basin  
Shoshone Subbasin

LOCATION.--Lat 44°45'13", long 108°35'29" referenced to North American Datum of 1927, in SW ¼ SW ¼ SW ¼ sec.7, T.55 N., R.97 W., Big Horn County, WY, Hydrologic Unit 10080014, 100 ft downstream from bridge on county road, 1.0 mi upstream from mouth, 4.0 mi southeast of Garland, and 5.0 mi southwest of Byron.

DRAINAGE AREA.--80.5 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1951-53, 1958-61, 1969 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1969 to September 1983.

WATER TEMPERATURES: July 1969 to September 1983.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 2

[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, cfs (00061)	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 unf 25 degC μS/cm (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)
<b>Nov</b>													
<b>16...</b>	0835	35	650	12.0	106	8.4	1,210	5.0	3.5	<.020	4.70	.017	.007
<b>Jan</b>													
<b>31...</b>	1040	17	655	13.1	105	8.5	1,260	-5.0	.0	.027	5.16	.027	.049
<b>May</b>													
<b>02...</b>	1735	106	648	7.4	92	8.3	750	20.0	18.0	.220	.97	.022	.046
<b>Aug</b>													
<b>14...</b>	1900	380	--	7.0	--	8.3	601	30.0	18.0	<.020	2.07	.008	.070

**06284500 BITTER CREEK NEAR GARLAND, WY—Continued****WATER-QUALITY DATA  
WATER YEAR OCTOBER 2006  
TO SEPTEMBER 2007**

Part 2 of 2

[Remark codes: <, less than;  
E, estimated.]

<b>Date</b>	<b>E coli, modif. m-TEC, water, col/ 100 mL (90902)</b>	<b>Fecal coli- form, M-FC 0.7u MF col/ 100 mL (31625)</b>
<b>Nov 16...</b>	48	E61
<b>Jan 31...</b>	180	220
<b>May 02...</b>	550	620
<b>Aug 14...</b>	380	600