

## Water-Data Report 2007

**06375600 LITTLE THUNDER CREEK NEAR HAMPSHIRE, WY**

 Cheyenne Basin  
 Upper Cheyenne Subbasin

LOCATION.--Lat 43°39'18", long 104°54'33" referenced to North American Datum of 1983, in SW ¼ SW ¼ SE ¼ sec.33, T.43 N., R.67 W., Weston County, WY, Hydrologic Unit 10120103, Thunder Basin National Grassland, on left bank 1.2 mi downstream from county bridge, 2.7 mi upstream from mouth, 12 mi northwest of Hampshire, and 38 mi southwest of Newcastle.

 DRAINAGE AREA.--234 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--September 1977 to September 1981, October 1987 to September 1997, July 2004 to current year.

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
 Part 1 of 2  
 [Remark codes: <, less than.]

Date	Time	Turbidity			Specific Conductance							Hardness		
		Instantaneous discharge, cfs (00061)	white light, det ang 90+/-30 corrctd	Barometric pressure, mm Hg (63676)	Dissolved oxygen, mg/L (00025)	Dissolved oxygen, percent of saturation (00300)	pH, water, unfltrd field, std units (00400)	Conductance, wat unf 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Water, mg/L as CaCO <sub>3</sub> (00900)	Calcium water, mg/L (00915)	Magnesium water, mg/L (00925)	
Oct 10...	1235	.00	--	--	--	--	--	--	--	--	--	--	--	
Nov 06...	1205	.00	--	--	--	--	--	--	--	--	--	--	--	
Dec 11...	1130	.00	--	--	--	--	--	--	--	--	--	--	--	
Jan 08...	1140	.00	--	--	--	--	--	--	--	--	--	--	--	
Feb 06...	1115	.00	--	--	--	--	--	--	--	--	--	--	--	
Mar 06...	1225	.00	--	--	--	--	--	--	--	--	--	--	--	
Apr 10...	1300	.00	--	--	--	--	--	--	--	--	--	--	--	
May 09...	1225	.67	--	650	7.4	97	8.3	1,810	22.0	20.5	370	68.5	49.1	
Jun 05...	1240	.37	--	646	9.3	124	8.7	1,000	23.0	21.0	220	42.1	29.1	
	13...	.34	42	--	9.8	--	8.9	940	--	24.1	--	--	--	
Jul 10...	1045	.00	--	--	--	--	--	--	--	--	--	--	--	
Aug 07...	1215	.21	--	650	3.4	46	7.6	363	30.5	22.0	88	20.4	8.98	
Sep 05...	1145	.00	--	--	--	--	--	--	--	--	--	--	--	

## 06375600 LITTLE THUNDER CREEK NEAR HAMPSHIRE, WY—Continued

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

Part 2 of 2

[Remark codes: &lt;, less than.]

Date			Residue		Nitrate		Total nitro- gen, wat unf by anal	Ortho- phos- phate, water, fltrd, mg/L as P (00671)
	Sodium adsorp- tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	on evap.	Ammonia at 180degC wat flt mg/L (70300)	+ water, fltrd, mg/L (00608)	Nitrite water, fltrd, mg/L (00631)		
<b>Oct</b>								
10...	--	--	--	--	--	--	--	--
<b>Nov</b>								
06...	--	--	--	--	--	--	--	--
<b>Dec</b>								
11...	--	--	--	--	--	--	--	--
<b>Jan</b>								
08...	--	--	--	--	--	--	--	--
<b>Feb</b>								
06...	--	--	--	--	--	--	--	--
<b>Mar</b>								
06...	--	--	--	--	--	--	--	--
<b>Apr</b>								
10...	--	--	--	--	--	--	--	--
<b>May</b>								
09...	6.2	277	1,310	<.020	<.06	<.002	1.04	<.006
<b>Jun</b>								
05...	4.3	147	731	<.020	<.06	<.002	1.02	<.006
13...	--	--	--	--	--	--	--	--
<b>Jul</b>								
10...	--	--	--	--	--	--	--	--
<b>Aug</b>								
07...	1.5	32.8	217	.023	.06	.019	1.48	.006
<b>Sep</b>								
05...	--	--	--	--	--	--	--	--