



Water-Data Report 2010

**09258050 Muddy Creek above Olson Draw, near Dad, WY**

White-Yampa Basin  
Muddy Subbasin

LOCATION.--Lat 41°28'42", long 107°36'09" referenced to North American Datum of 1983, in SW ¼ SW ¼ NW ¼ sec.1, T.17 N., R.91 W., Carbon County, WY, Hydrologic Unit 14050004, on left bank 2 mi upstream from Olson Draw, 13 mi northeast of Dad, and 31 mi north of Baggs.

DRAINAGE AREA.--126 mi<sup>2</sup>, approximately.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--July 2010 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,835 ft above NGVD of 1929, from topographic map. U.S. Geological Survey data collection platform with satellite telemetry at station.

REMARKS.--Records poor. Result of discharge measurement made during the period when the station was not in operation is listed in the following table:

Additional Discharge Measurements	
Date	Discharge, in ft <sup>3</sup> /sec
Jul. 22	7.82

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24 ft<sup>3</sup>/s, August 2, 2010, gage height, 3.74 ft; minimum daily discharge, 3.5 ft<sup>3</sup>/s, September 20-22, 2010.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24 ft<sup>3</sup>/s, August 2, gage height, 3.74 ft; minimum daily discharge, 3.5 ft<sup>3</sup>/s, September 20-22.

## 09258050 Muddy Creek above Olson Draw, near Dad, WY—Continued

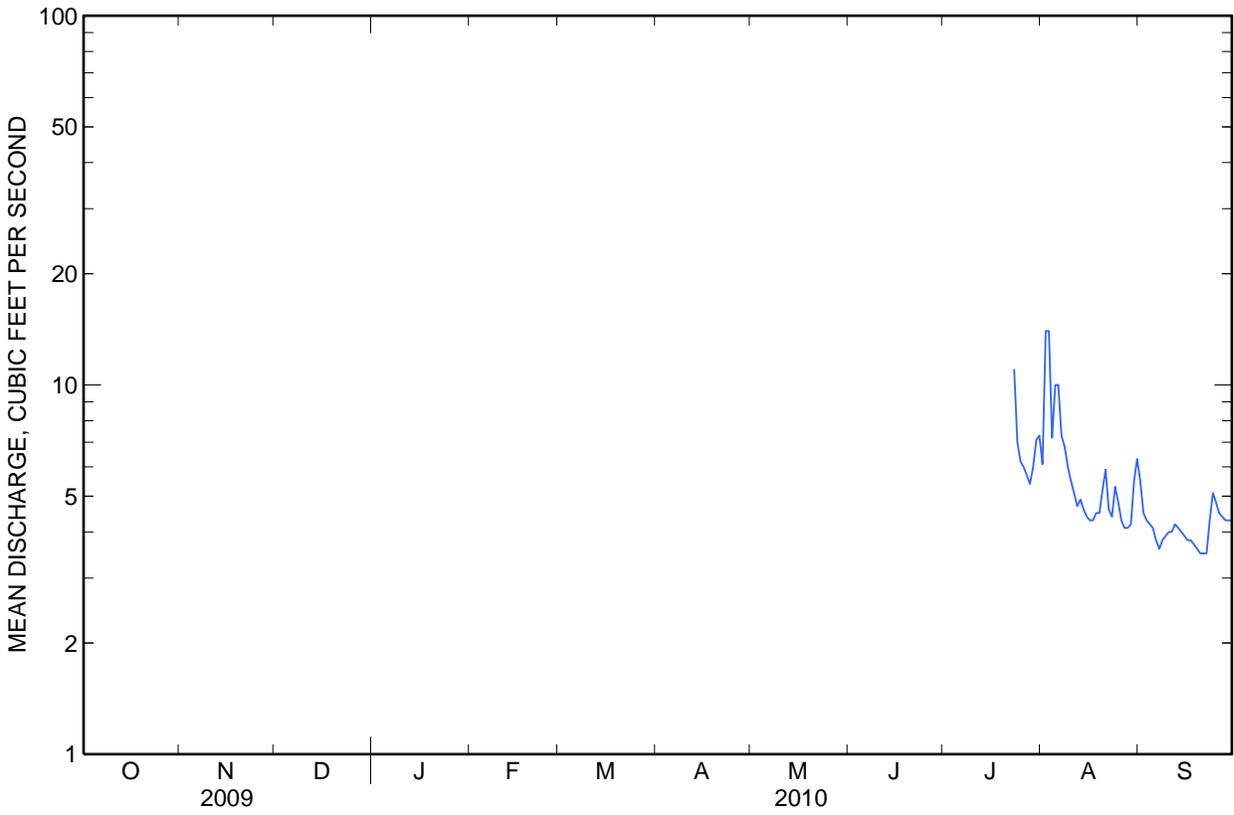
**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	6.1	5.5
2	---	---	---	---	---	---	---	---	---	---	14	4.5
3	---	---	---	---	---	---	---	---	---	---	14	4.3
4	---	---	---	---	---	---	---	---	---	---	7.2	4.2
5	---	---	---	---	---	---	---	---	---	---	10	4.1
6	---	---	---	---	---	---	---	---	---	---	10	3.8
7	---	---	---	---	---	---	---	---	---	---	7.3	3.6
8	---	---	---	---	---	---	---	---	---	---	6.8	3.8
9	---	---	---	---	---	---	---	---	---	---	6.0	3.9
10	---	---	---	---	---	---	---	---	---	---	5.5	4.0
11	---	---	---	---	---	---	---	---	---	---	5.1	4.0
12	---	---	---	---	---	---	---	---	---	---	4.7	4.2
13	---	---	---	---	---	---	---	---	---	---	4.9	4.1
14	---	---	---	---	---	---	---	---	---	---	4.6	4.0
15	---	---	---	---	---	---	---	---	---	---	4.4	3.9
16	---	---	---	---	---	---	---	---	---	---	4.3	3.8
17	---	---	---	---	---	---	---	---	---	---	4.3	3.8
18	---	---	---	---	---	---	---	---	---	---	4.5	3.7
19	---	---	---	---	---	---	---	---	---	---	4.5	3.6
20	---	---	---	---	---	---	---	---	---	---	5.2	3.5
21	---	---	---	---	---	---	---	---	---	---	5.9	3.5
22	---	---	---	---	---	---	---	---	---	---	4.6	3.5
23	---	---	---	---	---	---	---	---	---	---	4.4	4.3
24	---	---	---	---	---	---	---	---	---	11	7.0	5.1
25	---	---	---	---	---	---	---	---	---	---	6.2	4.8
26	---	---	---	---	---	---	---	---	---	---	6.0	4.5
27	---	---	---	---	---	---	---	---	---	---	5.7	4.4
28	---	---	---	---	---	---	---	---	---	---	5.4	4.1
29	---	---	---	---	---	---	---	---	---	---	6.0	4.3
30	---	---	---	---	---	---	---	---	---	---	7.1	5.5
31	---	---	---	---	---	---	---	---	---	---	7.3	6.3
<b>Total</b>	---	---	---	---	---	---	---	---	---	---	186.9	123.3
<b>Mean</b>	---	---	---	---	---	---	---	---	---	---	6.03	4.11
<b>Max</b>	---	---	---	---	---	---	---	---	---	---	14	5.5
<b>Min</b>	---	---	---	---	---	---	---	---	---	---	4.1	3.5
<b>Ac-ft</b>	---	---	---	---	---	---	---	---	---	---	371	245

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2010 - 2010, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	---	---	---	---	---	---	---	---	---	---	6.03	4.11
<b>Max</b>	---	---	---	---	---	---	---	---	---	---	6.03	4.11
<b>(WY)</b>	(---	(---	(---	(---	(---	(---	(---	(---	(---	(---	(2010)	(2010)
<b>Min</b>	---	---	---	---	---	---	---	---	---	---	6.03	4.11
<b>(WY)</b>	(---	(---	(---	(---	(---	(---	(---	(---	(---	(---	(2010)	(2010)

09258050 Muddy Creek above Olson Draw, near Dad, WY—Continued



**09258050 Muddy Creek above Olson Draw, near Dad, WY—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--July 23, 2010 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 23, 2010 to current year (seasonal).

WATER TEMPERATURE: July 23, 2010 to current year (seasonal).

INSTRUMENTATION.--Water-quality monitor for specific conductance and water temperature.

REMARKS.--Specific conductance records poor July 23 to August 11, August 18 to August 31, and September 15 to September 30. Water temperature records excellent July 23 to August 11, August 18 to September 1, and September 15 to September 30. Water temperature records represent water temperature at sensor within 0.2°C. Maximum and minimum recorded values in the EXTREMES paragraphs may have occurred during days of partial record and may not appear in the daily values tables. Quality of water data were collected and are available at <http://waterdata.usgs.gov/usa/nwis/qw>.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 759 microsiemens per centimeter at 25°C ( $\mu\text{S}/\text{cm}$ ), September 30, 2010; minimum recorded, 469  $\mu\text{S}/\text{cm}$ , July 29, 2010.

WATER TEMPERATURE: Maximum recorded, 26.1°C, July 28, 2010; minimum recorded, 9.7°C, September 25, 2010.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 759  $\mu\text{S}/\text{cm}$ , September 30; minimum recorded, 469  $\mu\text{S}/\text{cm}$ , July 29.

WATER TEMPERATURE: Maximum recorded, 26.1°C, July 28; minimum recorded, 9.7°C, September 25.

## 09258050 Muddy Creek above Olson Draw, near Dad, WY—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	622	605	612	---	---	---
2	---	---	---	---	---	---	605	571	592	---	---	---
3	---	---	---	---	---	---	633	567	590	---	---	---
4	---	---	---	---	---	---	748	624	678	---	---	---
5	---	---	---	---	---	---	693	621	651	---	---	---
6	---	---	---	---	---	---	641	626	634	---	---	---
7	---	---	---	---	---	---	640	591	624	---	---	---
8	---	---	---	---	---	---	591	571	579	---	---	---
9	---	---	---	---	---	---	619	571	595	---	---	---
10	---	---	---	---	---	---	634	614	623	---	---	---
11	---	---	---	---	---	---	656	629	641	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	678	667	672
16	---	---	---	---	---	---	---	---	---	675	662	668
17	---	---	---	---	---	---	---	---	---	674	662	667
18	---	---	---	---	---	---	677	664	671	673	657	664
19	---	---	---	---	---	---	669	658	665	683	659	670
20	---	---	---	---	---	---	663	655	659	683	669	676
21	---	---	---	---	---	---	663	654	660	688	673	681
22	---	---	---	---	---	---	656	642	648	688	679	684
23	---	---	---	657	619	640	669	648	659	695	683	687
24	---	---	---	642	617	630	671	651	659	698	678	687
25	---	---	---	624	593	605	688	660	675	700	682	690
26	---	---	---	595	582	587	682	663	670	693	675	682
27	---	---	---	614	595	607	704	676	689	709	674	689
28	---	---	---	632	604	620	716	699	707	710	692	699
29	---	---	---	648	469	603	717	698	711	756	693	720
30	---	---	---	634	599	620	709	683	699	759	744	752
31	---	---	---	628	611	619	683	674	678	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

## 09258050 Muddy Creek above Olson Draw, near Dad, WY—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	23.9	20.4	22.1	17.0	12.0	14.0
2	---	---	---	---	---	---	24.6	18.8	21.6	---	---	---
3	---	---	---	---	---	---	23.1	19.3	21.1	---	---	---
4	---	---	---	---	---	---	21.5	17.7	19.5	---	---	---
5	---	---	---	---	---	---	22.2	16.6	19.4	---	---	---
6	---	---	---	---	---	---	21.4	17.5	19.6	---	---	---
7	---	---	---	---	---	---	21.5	16.6	19.0	---	---	---
8	---	---	---	---	---	---	22.9	17.1	19.7	---	---	---
9	---	---	---	---	---	---	21.4	16.7	19.0	---	---	---
10	---	---	---	---	---	---	21.7	15.6	18.6	---	---	---
11	---	---	---	---	---	---	19.8	15.8	17.9	---	---	---
12	---	---	---	---	---	---	---	15.4	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	16.6	11.7	13.9
16	---	---	---	---	---	---	---	---	---	16.4	11.1	13.5
17	---	---	---	---	---	---	---	---	---	16.7	11.1	13.6
18	---	---	---	---	---	---	19.3	15.4	17.4	16.4	11.3	13.6
19	---	---	---	---	---	---	17.4	15.9	16.6	16.3	10.8	13.4
20	---	---	---	---	---	---	20.3	14.1	16.9	15.1	11.8	13.2
21	---	---	---	---	---	---	21.0	15.0	17.9	15.4	9.9	12.5
22	---	---	---	---	---	---	20.0	16.1	18.1	13.9	10.3	12.1
23	---	---	---	23.0	16.9	19.9	20.9	16.5	18.4	15.4	11.2	12.8
24	---	---	---	24.6	17.0	20.6	20.2	14.2	17.1	14.3	10.3	12.0
25	---	---	---	24.6	17.8	21.3	20.5	14.1	17.2	14.8	9.7	12.1
26	---	---	---	24.6	17.6	21.3	20.7	14.8	17.6	15.6	10.9	12.9
27	---	---	---	25.5	19.1	22.3	20.2	15.8	17.9	15.8	11.3	13.2
28	---	---	---	26.1	20.4	23.2	19.1	16.5	17.5	15.8	11.3	13.1
29	---	---	---	23.8	17.7	21.8	18.4	14.8	16.4	15.7	10.9	12.9
30	---	---	---	25.6	18.7	22.0	16.9	14.5	15.6	15.9	11.4	13.3
31	---	---	---	25.2	19.7	22.6	16.8	12.2	14.4	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---