

Water-Data Report 2007

**09258980 MUDDY CREEK BELOW YOUNG DRAW NEAR BAGGS, WY**

White-Yampa Basin  
Muddy Subbasin

LOCATION.--Lat 41°04'05.5", long 107°37'51.5" referenced to North American Datum of 1927, in NE ¼ NE ¼ SE ¼ sec.28, T.13 N., R.91 W., Carbon County, WY, Hydrologic Unit 14050004, on right bank, 4.0 mi upstream from mouth and 4.0 mi northeast of Baggs.

DRAINAGE AREA.--1,200 mi<sup>2</sup>, approximately.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--April 2004 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,270 ft above NGVD of 1929, from topographic map. U.S. Geological Survey data collection platform with satellite telemetry at station.

REMARKS.--Records fair except those for discharges less than 1.0 ft<sup>3</sup>/s and those for estimated daily discharges, which are poor. Natural flow of stream possibly affected by numerous small ponds for coal-bed methane production water.

## 09258980 MUDDY CREEK BELOW YOUNG DRAW NEAR BAGGS, WY—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.45	2.7	0.41	0.22	0.16	14	55	15	2.2	0.08	0.08	0.22
2	1.4	1.8	0.35	0.22	0.16	13	45	14	1.7	0.15	0.78	0.23
3	1.1	1.5	0.29	0.22	0.16	16	44	15	0.70	0.10	0.42	0.19
4	0.76	1.4	0.28	0.22	0.16	12	43	16	0.87	0.08	0.26	0.19
5	0.66	0.99	0.28	0.22	0.16	8.0	38	19	0.55	0.11	0.79	0.41
6	0.73	0.94	0.28	0.21	0.17	20	36	22	0.48	0.15	1.4	0.80
7	0.90	0.86	0.28	0.21	0.17	183	35	27	0.49	0.20	0.92	0.77
8	1.1	0.75	0.27	0.22	0.17	499	32	33	0.17	0.09	1.3	0.39
9	0.79	0.72	0.28	0.20	0.16	331	33	27	0.15	0.22	5.1	0.22
10	4.8	0.68	0.28	0.20	0.18	321	36	24	0.13	0.44	0.60	0.23
11	29	0.64	0.28	0.20	0.29	277	45	24	0.13	0.20	0.10	0.22
12	12	0.65	0.27	0.20	0.34	282	38	23	1.1	1.7	0.10	0.21
13	3.5	0.56	0.27	0.20	1.0	263	37	19	1.4	0.80	0.10	0.21
14	1.9	0.54	0.26	0.20	29	252	32	16	0.90	0.11	0.11	0.23
15	1.3	0.56	0.26	0.20	20	174	38	14	0.98	0.09	0.12	0.23
16	0.98	0.46	0.24	0.19	21	128	29	12	0.93	0.09	0.11	0.27
17	0.98	0.46	0.24	0.18	22	101	26	10	0.44	0.10	0.10	1.1
18	0.94	0.42	0.24	0.17	19	73	26	9.4	0.10	0.10	0.11	0.18
19	1.1	0.52	0.24	0.18	16	47	26	8.1	0.36	0.10	0.11	0.15
20	2.3	0.58	0.24	0.16	19	36	23	7.3	0.10	0.10	0.10	0.14
21	3.4	0.71	0.24	0.17	21	37	28	6.5	0.08	0.10	0.30	0.14
22	15	1.1	0.23	0.19	38	39	26	6.7	0.09	0.09	0.54	0.16
23	12	2.4	0.22	0.16	126	68	24	5.3	0.09	0.09	0.81	0.55
24	7.5	1.7	0.22	0.16	130	97	22	3.6	0.09	0.09	1.0	0.60
25	3.9	1.1	0.22	0.16	38	63	20	4.4	0.17	0.08	3.1	0.45
26	3.6	0.88	0.22	0.16	27	58	19	3.7	0.22	0.09	3.8	0.24
27	4.4	0.82	0.22	0.16	30	54	19	2.9	0.09	0.10	6.4	0.26
28	7.6	1.0	0.21	0.16	22	51	18	2.8	0.11	0.09	4.2	0.28
29	11	0.77	e0.21	0.16	---	78	16	2.6	0.25	0.09	4.7	0.33
30	11	0.48	0.22	0.16	---	66	15	2.2	0.37	0.08	1.6	0.77
31	5.9	---	0.22	0.16	---	60	---	1.6	---	0.08	0.24	---
<b>Total</b>	151.99	28.69	7.97	5.82	581.28	3,721.0	924	397.1	15.44	5.99	39.40	10.37
<b>Mean</b>	4.90	0.96	0.26	0.19	20.8	120	30.8	12.8	0.51	0.19	1.27	0.35
<b>Max</b>	29	2.7	0.41	0.22	130	499	55	33	2.2	1.7	6.4	1.1
<b>Min</b>	0.45	0.42	0.21	0.16	0.16	8.0	15	1.6	0.08	0.08	0.08	0.14
<b>Ac-ft</b>	301	57	16	12	1,150	7,380	1,830	788	31	12	78	21

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	2.66	1.82	0.45	20.9	19.0	72.3	31.1	23.1	5.77	2.46	0.49	1.48
<b>Max</b>	4.90	3.83	0.84	62.2	34.5	120	39.4	49.3	17.7	8.19	1.27	4.29
<b>(WY)</b>	(2007)	(2005)	(2005)	(2005)	(2005)	(2007)	(2005)	(2005)	(2005)	(2004)	(2007)	(2006)
<b>Min</b>	0.39	0.69	0.26	0.19	1.67	23.4	23.2	12.8	0.51	0.19	0.19	0.35
<b>(WY)</b>	(2006)	(2006)	(2006)	(2007)	(2006)	(2006)	(2006)	(2007)	(2007)	(2007)	(2006)	(2007)

09258980 MUDDY CREEK BELOW YOUNG DRAW NEAR BAGGS, WY—Continued

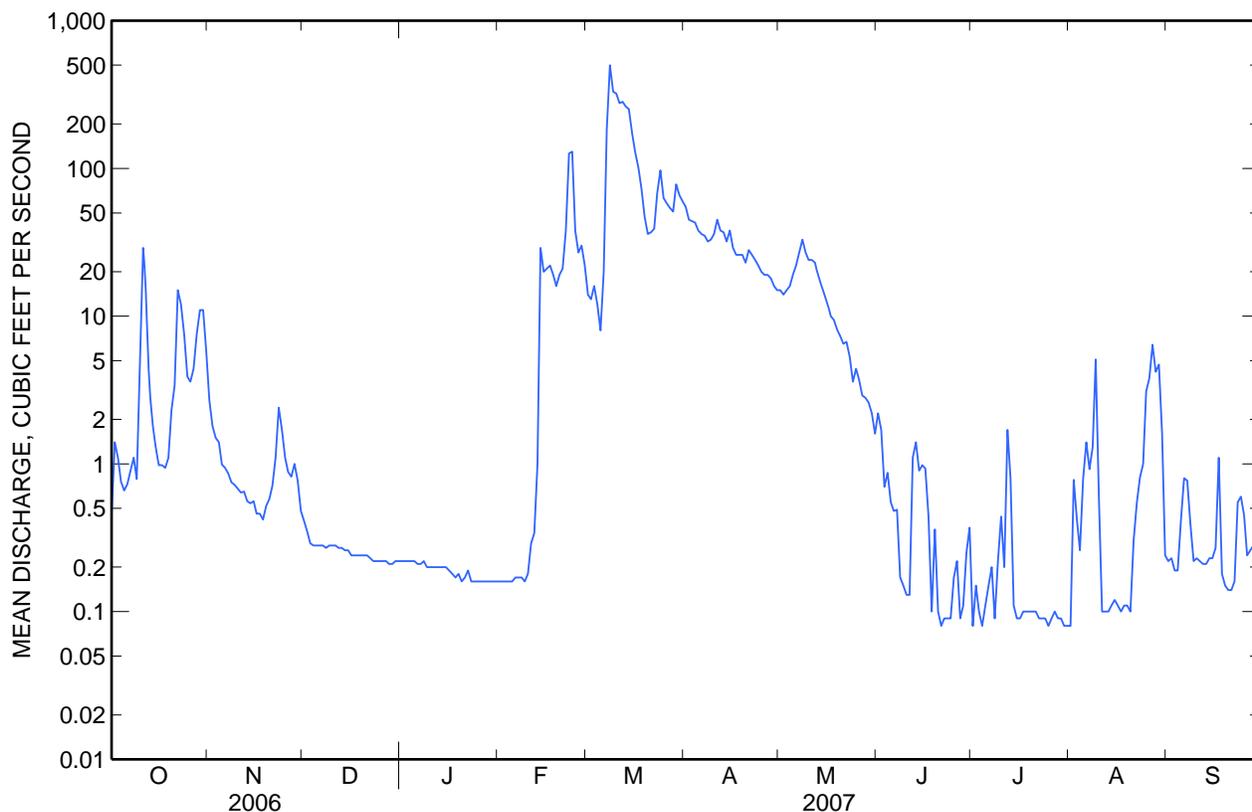
SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 2004 - 2007	
<b>Annual total</b>	2,419.66		5,889.05			
<b>Annual mean</b>	6.63		16.1		15.4	
<b>Highest annual mean</b>					23.8	2005
<b>Lowest annual mean</b>					6.22	2006
<b>Highest daily mean</b>	68	Mar 1	499	Mar 8	499	Mar 8, 2007
<b>Lowest daily mean</b>	0.07	Jul 17 <sup>a</sup>	0.08	Jun 21 <sup>b</sup>	0.07	Jul 17, 2006 <sup>c</sup>
<b>Annual seven-day minimum</b>	0.09	Sep 1	0.09	Jul 25	0.09	Jul 25, 2007
<b>Maximum peak flow</b>			623	Mar 8	623	Mar 8, 2007
<b>Maximum peak stage</b>			7.26	Mar 8	7.26	Mar 8, 2007
<b>Annual runoff (ac-ft)</b>	4,800		11,680		11,160	
<b>10 percent exceeds</b>	21		37		43	
<b>50 percent exceeds</b>	0.66		0.71		0.81	
<b>90 percent exceeds</b>	0.12		0.11		0.15	

<sup>a</sup> Also, July 18-20.

<sup>b</sup> Several days.

<sup>c</sup> Also, July 18-20, 2006.



**09258980 MUDDY CREEK BELOW YOUNG DRAW NEAR BAGGS, WY—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--May 26, 2005 to current year (seasonal).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 26, 2005 to current year (seasonal).

WATER TEMPERATURE: May 26, 2005 to current year (seasonal).

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

REMARKS.--Specific conductance records good October 1-20 and March 6 to August 20; and fair October 21 to November 15 and August 21 to September 30.

Water temperature records good October 1 to November 15 and March 6 to September 4; and fair September 5-30. Water-temperature records represent water temperature at sensor within 0.2°C.

COOPERATION.--Some samples collected by the Bureau of Land Management, with analysis by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 7,410 microsiemens per centimeter at 25°C ( $\mu\text{S}/\text{cm}$ ), October 12, 2005; minimum recorded, 291  $\mu\text{S}/\text{cm}$ , March 8, 2007.

WATER TEMPERATURE: Maximum recorded, 28.8°C, July 22, 2007; minimum recorded, 0.0°C, many days.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 4,920  $\mu\text{S}/\text{cm}$ , July 3; minimum recorded, 291  $\mu\text{S}/\text{cm}$ , March 8.

WATER TEMPERATURE: Maximum recorded, 28.8°C, July 22; minimum recorded, 0.0°C, Oct. 28 and March 5-9.

## 09258980 MUDDY CREEK BELOW YOUNG DRAW NEAR BAGGS, WY—Continued

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

Part 1 of 3

[Remark codes: &lt;, 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, $\mu$ S/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO <sub>3</sub> (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
<b>Oct</b>													
02...	1550	1.4	608	10.6	124	8.9	1,460	17.0	12.0	170	38.9	17.0	4.36
30...	1230	--	--	--	--	--	1,030	--	--	--	--	--	--
<b>Nov</b>													
16...	0920	.45	608	9.2	84	8.2	1,900	.0	2.0	290	58.8	35.2	2.77
<b>Dec</b>													
13...	0920	.26	612	7.8	71	8.0	2,450	4.0	2.0	390	70.8	51.3	1.99
<b>Jan</b>													
17...	0940	.17	607	6.6	57	8.0	2,660	-10.0	.0	450	84.6	58.9	2.24
<b>Feb</b>													
14...	0920	25	606	11.7	101	8.4	448	3.0	.0	55	13.3	5.18	4.46
<b>Mar</b>													
05...	1600	7.7	610	10.7	93	8.3	1,000	-1.0	.5	270	61.6	28.5	5.58
<b>Apr</b>													
17...	0800	27	607	8.8	97	8.4	836	8.5	9.5	280	69.8	26.7	5.09
<b>May</b>													
16...	1600	11	610	7.1	99	8.5	1,020	16.0	20.5	330	79.2	32.2	4.78
<b>Jun</b>													
13...	1430	1.5	611	11.2	155	8.4	1,710	24.0	20.0	320	62.4	40.2	7.30
<b>Jul</b>													
17...	1440	.09	607	13.9	221	8.7	1,980	31.5	26.5	350	63.5	45.8	5.02
<b>Aug</b>													
14...	0750	.11	612	7.1	96	8.4	890	20.0	19.0	200	43.1	23.5	3.69
<b>Sep</b>													
11...	1345	.21	611	14.1	180	8.7	2,000	23.0	16.0	320	56.5	43.5	3.43

## 09258980 MUDDY CREEK BELOW YOUNG DRAW NEAR BAGGS, WY—Continued

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

Part 2 of 3

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

Date	Sodium adsorp- tion ratio (00931)	Sodium frac- tion of cations percent (00932)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue water, dis- solved, tons/d (70302)	Residue on evap. at 180degC wat flt mg/L (70300)	Alum- inum, water, unfltrd recover- able, µg/L (01105)
<b>Oct</b>													
02...	8.5	76	253	366	76.0	1.13	7.22	275	891	1.27	3.53	934	2,720
30...	--	--	--	--	--	--	--	--	--	--	--	624	--
<b>Nov</b>													
16...	8.3	70	324	364	130	1.10	12.1	439	1,220	1.72	1.54	1,270	1,740
<b>Dec</b>													
13...	8.8	69	400	376	212	1.20	15.3	607	1,580	2.20	1.13	1,610	370
<b>Jan</b>													
17...	9.2	68	453	407	242	1.37	18.1	713	1,820	2.54	.86	1,870	551
<b>Feb</b>													
14...	4.3	72	72.9	117	16.4	.34	5.09	79.1	267	.40	19.6	293	15,900
<b>Mar</b>													
05...	3.3	50	125	204	26.6	.41	11.7	295	677	.95	14.6	701	2,200
<b>Apr</b>													
17...	2.0	37	77.3	204	14.2	.36	9.89	220	545	.82	44.4	601	4,660
<b>May</b>													
16...	2.3	38	96.7	237	23.7	.41	10.6	267	657	.96	20.7	705	2,320
<b>Jun</b>													
13...	6.1	62	253	268	112	.66	9.60	454	1,100	1.56	4.64	1,140	1,060
<b>Jul</b>													
17...	7.3	66	314	308	161	1.13	10.8	495	1,280	1.77	.32	1,300	374
<b>Aug</b>													
14...	3.6	55	119	285	43.9	1.01	17.3	120	543	.77	.17	568	812
<b>Sep</b>													
11...	8.2	69	338	329	159	1.08	12.8	485	1,300	1.83	.77	1,340	270

## 09258980 MUDDY CREEK BELOW YOUNG DRAW NEAR BAGGS, WY—Continued

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

Part 3 of 3

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

Date	Arsenic water, flt'd, µg/L (01000)	Arsenic water, unflt'd µg/L (01002)	Barium, water, unflt'd recover- able, µg/L (01007)	Beryll- ium, water, unflt'd recover- able, µg/L (01012)	Iron, water, flt'd, µg/L (01046)	Mangan- ese, water, flt'd, µg/L (01056)	Selen- ium, water, flt'd, µg/L (01145)	Selen- ium, water, unflt'd µg/L (01147)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
<b>Oct</b>										
02...	2.6	3.3	81.1	.17	7	19.0	--	4.0	129	.49
30...	--	--	--	--	--	--	--	--	--	--
<b>Nov</b>										
16...	<.12	2.2	75.5	.06	7	334	--	7.8	36	.04
<b>Dec</b>										
13...	.84	1.3	52.3	<.12	<18	488	--	13.5	13	.01
<b>Jan</b>										
17...	.84	1.1	52.1	<.12	18	747	--	12.0	20	.01
<b>Feb</b>										
14...	2.3	2.8	135	1.03	18	13.8	--	1.8	910	61
<b>Mar</b>										
05...	2.0	2.5	87.0	.18	12	27.4	--	2.5	131	2.7
<b>Apr</b>										
17...	1.8	3.0	97.0	.27	E4	6.3	--	1.3	301	22
<b>May</b>										
16...	2.2	3.0	72.0	.16	<6	14.2	--	1.3	166	4.9
<b>Jun</b>										
13...	2.6	2.8	66.4	.06	22	178	--	2.2	70	.28
<b>Jul</b>										
17...	2.8	2.8	55.8	<.06	10	132	--	5.0	23	.01
<b>Aug</b>										
14...	2.9	2.9	52.3	E.04	15	113	--	4.0	63	.02
<b>Sep</b>										
11...	1.8	1.9	45.1	<.06	E11	74.2	8.0	7.1	15	.01

## 09258980 MUDDY CREEK BELOW YOUNG DRAW NEAR BAGGS, WY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	1,340	1,210	1,280	917	836	872	---	---	---	---	---	---
2	1,510	1,340	1,430	976	917	947	---	---	---	---	---	---
3	1,680	1,480	1,560	1,030	976	1,010	---	---	---	---	---	---
4	2,010	1,680	1,860	1,070	1,030	1,040	---	---	---	---	---	---
5	2,070	1,980	2,050	1,170	1,070	1,100	---	---	---	---	---	---
6	2,290	2,050	2,160	1,220	1,170	1,200	---	---	---	---	---	---
7	2,300	2,100	2,190	1,260	1,220	1,240	---	---	---	---	---	---
8	2,260	1,530	1,740	1,350	1,260	1,280	---	---	---	---	---	---
9	1,760	1,560	1,620	1,470	1,350	1,410	---	---	---	---	---	---
10	1,820	513	1,160	1,560	1,470	1,510	---	---	---	---	---	---
11	1,520	518	915	1,650	1,560	1,600	---	---	---	---	---	---
12	955	530	641	1,710	1,650	1,670	---	---	---	---	---	---
13	663	542	604	1,790	1,710	1,750	---	---	---	---	---	---
14	757	663	710	1,870	1,790	1,830	---	---	---	---	---	---
15	976	757	827	1,890	1,860	1,880	---	---	---	---	---	---
16	1,150	976	1,080	---	---	---	---	---	---	---	---	---
17	1,190	1,150	1,160	---	---	---	---	---	---	---	---	---
18	1,220	1,130	1,170	---	---	---	---	---	---	---	---	---
19	1,350	1,160	1,230	---	---	---	---	---	---	---	---	---
20	1,200	763	996	---	---	---	---	---	---	---	---	---
21	852	746	808	---	---	---	---	---	---	---	---	---
22	917	831	864	---	---	---	---	---	---	---	---	---
23	994	917	960	---	---	---	---	---	---	---	---	---
24	990	943	964	---	---	---	---	---	---	---	---	---
25	944	929	937	---	---	---	---	---	---	---	---	---
26	945	918	932	---	---	---	---	---	---	---	---	---
27	930	913	924	---	---	---	---	---	---	---	---	---
28	922	783	877	---	---	---	---	---	---	---	---	---
29	1,180	713	862	---	---	---	---	---	---	---	---	---
30	1,180	731	940	---	---	---	---	---	---	---	---	---
31	876	746	815	---	---	---	---	---	---	---	---	---
Month	2,300	513	1,170	---	---	---	---	---	---	---	---	---

## 09258980 MUDDY CREEK BELOW YOUNG DRAW NEAR BAGGS, WY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	840	704	784	937	913	922
2	---	---	---	---	---	---	1,150	817	970	948	917	925
3	---	---	---	---	---	---	1,020	865	954	928	904	918
4	---	---	---	---	---	---	948	894	922	911	895	902
5	---	---	---	---	---	---	952	912	937	906	873	886
6	---	---	---	932	387	727	989	901	913	914	885	901
7	---	---	---	493	312	388	948	907	917	977	904	942
8	---	---	---	421	291	370	915	897	905	1,020	926	970
9	---	---	---	466	384	427	900	868	880	1,020	975	995
10	---	---	---	548	381	438	877	853	867	991	944	970
11	---	---	---	579	506	542	853	817	835	952	918	942
12	---	---	---	565	484	516	825	811	819	937	910	923
13	---	---	---	589	484	535	836	802	818	929	906	918
14	---	---	---	623	498	543	831	802	816	966	925	939
15	---	---	---	623	505	547	824	779	803	1,040	966	993
16	---	---	---	651	591	618	840	816	830	1,020	991	1,010
17	---	---	---	703	609	661	872	826	847	1,050	994	1,020
18	---	---	---	821	649	701	877	858	869	1,100	969	1,020
19	---	---	---	913	698	794	919	873	886	1,140	1,020	1,070
20	---	---	---	949	830	875	911	880	893	1,170	1,050	1,100
21	---	---	---	998	860	909	930	865	898	1,160	1,100	1,120
22	---	---	---	927	830	860	917	895	906	1,150	1,070	1,110
23	---	---	---	866	713	812	934	869	898	1,280	1,090	1,140
24	---	---	---	713	674	689	896	875	883	1,340	1,280	1,320
25	---	---	---	697	645	667	896	868	885	1,310	1,240	1,280
26	---	---	---	722	681	692	893	876	884	1,340	1,230	1,310
27	---	---	---	705	665	678	910	881	899	1,450	1,250	1,380
28	---	---	---	758	698	714	910	898	904	1,440	1,410	1,430
29	---	---	---	780	679	731	922	862	898	1,500	1,380	1,440
30	---	---	---	757	679	721	928	908	917	1,530	1,340	1,400
31	---	---	---	760	679	714	---	---	---	1,600	1,360	1,530
Month	---	---	---	---	---	---	1,150	704	881	1,600	873	1,090

## 09258980 MUDDY CREEK BELOW YOUNG DRAW NEAR BAGGS, WY—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	1,580	1,070	1,290	2,000	1,660	1,770	2,360	2,150	2,230	1,490	1,040	1,270
2	1,490	1,050	1,260	4,750	1,660	2,840	2,360	1,360	2,040	1,970	1,470	1,730
3	2,000	1,180	1,550	4,920	3,440	4,340	4,010	2,330	3,190	2,150	1,940	2,040
4	2,000	1,640	1,860	3,520	2,540	3,060	4,000	2,940	3,530	2,180	2,100	2,140
5	1,760	1,540	1,660	2,540	2,090	2,250	2,940	1,190	2,080	2,230	2,130	2,170
6	2,100	1,760	1,900	3,110	2,110	2,640	1,190	767	955	2,780	2,180	2,440
7	2,270	1,450	1,920	2,880	2,420	2,620	897	767	839	2,180	1,840	2,000
8	1,580	1,360	1,450	2,420	1,660	1,970	1,050	803	937	1,840	1,260	1,480
9	2,360	1,580	1,940	3,010	1,550	1,900	822	589	682	1,310	1,180	1,230
10	2,660	2,360	2,570	3,510	1,840	2,510	663	558	579	1,730	1,310	1,510
11	2,810	2,660	2,750	1,950	1,800	1,860	644	582	615	2,090	1,730	1,940
12	3,040	2,310	2,630	2,120	770	1,370	769	643	714	2,160	2,070	2,130
13	2,580	1,530	2,050	969	808	896	875	769	827	2,270	2,080	2,150
14	2,020	1,570	1,820	1,210	969	1,070	993	872	927	2,240	2,090	2,150
15	1,930	1,530	1,650	1,610	1,140	1,360	1,230	993	1,110	2,180	2,080	2,140
16	2,300	1,740	1,970	1,860	1,490	1,650	1,460	1,180	1,290	2,230	2,120	2,170
17	2,000	1,410	1,580	1,980	1,730	1,860	1,790	1,420	1,620	2,930	1,120	1,900
18	1,550	1,470	1,500	2,370	1,940	2,140	1,950	1,760	1,870	1,120	935	989
19	3,040	1,530	2,230	2,490	2,190	2,330	1,980	1,900	1,920	1,400	988	1,180
20	2,680	1,560	1,880	2,540	2,300	2,410	1,930	1,860	1,890	1,520	1,400	1,490
21	1,730	1,540	1,640	2,720	2,400	2,520	2,320	1,840	2,040	1,730	1,520	1,630
22	2,150	1,700	1,920	2,590	2,380	2,480	3,950	1,830	3,120	1,780	1,700	1,730
23	3,060	2,150	2,600	2,700	2,370	2,520	3,440	2,840	3,120	2,690	1,780	2,040
24	3,780	3,060	3,450	2,700	2,530	2,610	2,840	1,760	2,390	2,870	2,100	2,410
25	3,480	3,170	3,300	2,580	2,410	2,500	1,760	670	934	2,440	1,960	2,150
26	3,340	1,610	2,100	2,510	2,360	2,400	811	629	684	1,960	1,820	1,870
27	1,880	1,540	1,710	2,460	2,320	2,360	941	794	838	1,910	1,800	1,850
28	2,770	1,880	2,320	2,490	2,240	2,340	953	769	898	1,930	1,870	1,890
29	2,920	1,630	2,350	2,550	2,240	2,360	1,030	729	857	2,040	1,930	2,000
30	2,280	1,550	1,770	2,590	2,340	2,450	971	783	842	2,850	2,020	2,560
31	---	---	---	2,500	2,290	2,370	1,040	971	995	---	---	---
<b>Month</b>	<b>3,780</b>	<b>1,050</b>	<b>2,020</b>	<b>4,920</b>	<b>770</b>	<b>2,250</b>	<b>4,010</b>	<b>558</b>	<b>1,500</b>	<b>2,930</b>	<b>935</b>	<b>1,880</b>

09258980 MUDDY CREEK BELOW YOUNG DRAW NEAR BAGGS, WY—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	15.3	7.8	11.4	4.7	0.1	1.5	---	---	---	---	---	---
2	12.1	7.2	9.7	3.7	0.2	1.6	---	---	---	---	---	---
3	17.4	9.5	12.8	6.3	1.1	3.1	---	---	---	---	---	---
4	14.5	8.7	11.8	6.9	2.0	4.1	---	---	---	---	---	---
5	13.2	9.8	11.6	7.2	1.9	4.6	---	---	---	---	---	---
6	13.1	11.1	11.9	7.5	1.9	4.8	---	---	---	---	---	---
7	14.7	10.0	11.7	10.6	4.6	7.0	---	---	---	---	---	---
8	13.9	6.6	9.9	11.1	3.1	6.6	---	---	---	---	---	---
9	10.8	7.0	8.5	8.0	3.0	5.3	---	---	---	---	---	---
10	10.1	5.5	7.5	6.3	1.2	3.2	---	---	---	---	---	---
11	8.5	5.7	7.0	2.9	0.6	1.8	---	---	---	---	---	---
12	10.1	5.3	7.4	6.5	1.1	3.0	---	---	---	---	---	---
13	11.8	4.7	7.7	2.6	0.6	1.4	---	---	---	---	---	---
14	8.1	4.8	6.5	3.4	0.7	1.9	---	---	---	---	---	---
15	12.5	3.1	7.0	4.0	0.4	1.7	---	---	---	---	---	---
16	10.3	5.7	7.2	---	---	---	---	---	---	---	---	---
17	6.1	0.5	3.5	---	---	---	---	---	---	---	---	---
18	5.8	0.2	2.6	---	---	---	---	---	---	---	---	---
19	5.0	2.4	3.6	---	---	---	---	---	---	---	---	---
20	7.5	3.3	4.9	---	---	---	---	---	---	---	---	---
21	6.0	1.7	3.3	---	---	---	---	---	---	---	---	---
22	4.5	1.2	2.6	---	---	---	---	---	---	---	---	---
23	5.5	0.7	3.0	---	---	---	---	---	---	---	---	---
24	7.0	1.8	3.9	---	---	---	---	---	---	---	---	---
25	5.1	1.5	3.2	---	---	---	---	---	---	---	---	---
26	6.3	0.5	2.5	---	---	---	---	---	---	---	---	---
27	6.0	0.1	2.2	---	---	---	---	---	---	---	---	---
28	6.3	0.0	2.4	---	---	---	---	---	---	---	---	---
29	4.7	0.4	2.5	---	---	---	---	---	---	---	---	---
30	5.2	1.5	3.2	---	---	---	---	---	---	---	---	---
31	5.3	0.8	2.7	---	---	---	---	---	---	---	---	---
Month	17.4	0.0	6.3	---	---	---	---	---	---	---	---	---

## 09258980 MUDDY CREEK BELOW YOUNG DRAW NEAR BAGGS, WY—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	7.1	4.2	5.5	18.8	13.0	15.8
2	---	---	---	---	---	---	9.3	6.3	7.5	17.3	12.9	15.2
3	---	---	---	---	---	---	9.3	5.3	7.4	15.2	10.4	13.1
4	---	---	---	---	---	---	10.8	6.7	8.6	13.0	8.2	10.4
5	---	---	---	---	---	---	12.4	8.6	10.2	12.0	8.7	10.1
6	---	---	---	1.7	0.0	0.3	12.4	7.8	10.0	8.7	6.3	7.1
7	---	---	---	0.8	0.0	0.2	11.8	7.4	9.6	12.6	5.3	8.7
8	---	---	---	0.3	0.0	0.1	11.1	8.1	9.7	15.2	7.7	11.4
9	---	---	---	1.6	0.0	0.7	11.5	8.0	9.8	17.5	11.0	14.2
10	---	---	---	1.3	0.7	1.0	9.4	5.8	7.7	19.3	12.4	15.8
11	---	---	---	2.4	0.3	1.3	6.2	3.9	5.1	20.2	13.4	16.8
12	---	---	---	4.2	0.8	2.3	7.3	2.8	4.8	20.1	14.4	17.3
13	---	---	---	5.9	2.0	3.9	8.7	3.8	6.1	17.9	14.7	16.5
14	---	---	---	6.7	3.2	5.2	10.2	4.0	7.0	19.5	13.8	16.5
15	---	---	---	6.3	3.9	5.3	11.7	6.1	8.8	20.3	12.9	16.4
16	---	---	---	5.4	3.5	4.4	12.9	8.6	10.7	20.8	13.1	16.8
17	---	---	---	7.5	3.6	5.4	14.8	9.3	11.7	19.6	13.9	16.6
18	---	---	---	8.3	5.3	6.7	12.9	9.2	11.0	19.9	12.4	16.1
19	---	---	---	9.3	5.7	7.6	10.7	6.8	8.8	21.2	13.3	17.0
20	---	---	---	10.2	6.7	8.4	11.2	5.8	8.6	20.8	13.2	16.9
21	---	---	---	9.2	6.8	7.9	10.9	7.7	9.2	16.9	13.1	15.2
22	---	---	---	9.4	5.3	7.2	11.1	7.4	9.3	16.4	10.5	12.9
23	---	---	---	8.8	6.2	7.6	10.9	8.1	9.4	15.6	9.2	12.5
24	---	---	---	9.1	7.0	8.1	10.4	7.8	8.9	17.6	9.4	13.3
25	---	---	---	10.3	6.0	8.1	13.4	6.7	9.8	18.4	11.3	14.7
26	---	---	---	11.3	7.7	9.4	12.2	8.4	10.4	18.7	11.2	15.0
27	---	---	---	10.1	8.3	9.4	15.0	7.9	11.3	20.7	12.5	16.4
28	---	---	---	9.3	4.9	7.1	17.1	9.6	13.3	19.3	14.6	16.8
29	---	---	---	4.9	2.5	3.5	18.5	11.2	14.9	19.5	12.8	15.8
30	---	---	---	3.8	1.0	2.3	19.3	12.7	15.9	19.3	10.8	14.9
31	---	---	---	5.3	1.8	3.5	---	---	---	18.0	11.4	14.9
Month	---	---	---	---	---	---	19.3	2.8	9.4	21.2	5.3	14.6

## 09258980 MUDDY CREEK BELOW YOUNG DRAW NEAR BAGGS, WY—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
<b>1</b>	17.3	11.0	14.3	26.3	16.7	21.6	24.6	17.9	20.8	24.7	15.6	19.8
<b>2</b>	22.2	11.6	16.6	26.3	16.5	21.4	22.9	17.7	20.1	24.6	15.9	19.7
<b>3</b>	21.4	14.3	18.1	27.2	17.2	22.0	25.3	18.7	21.1	23.1	15.8	19.1
<b>4</b>	21.2	14.9	18.3	26.8	17.2	21.7	26.2	18.0	21.8	23.4	15.3	19.3
<b>5</b>	20.3	15.1	17.8	26.9	17.2	21.1	24.7	17.4	20.8	22.3	16.7	19.0
<b>6</b>	16.8	12.6	14.4	27.5	16.9	22.1	24.4	17.8	20.9	20.8	15.3	17.7
<b>7</b>	12.6	8.9	10.4	25.5	18.4	21.4	23.7	18.4	21.0	21.2	13.4	17.0
<b>8</b>	18.6	8.2	13.1	23.5	16.6	20.2	24.2	17.2	20.6	20.9	14.0	17.5
<b>9</b>	21.1	11.9	16.3	25.3	16.0	20.4	25.7	12.8	19.3	17.6	12.5	14.9
<b>10</b>	22.2	13.5	17.9	25.2	17.3	20.5	23.3	16.0	19.7	19.1	10.1	14.3
<b>11</b>	21.3	14.8	18.2	26.4	16.4	20.9	24.0	15.5	19.7	18.5	10.3	14.5
<b>12</b>	18.5	15.2	16.9	24.1	17.7	21.0	23.7	15.8	19.8	19.6	11.6	15.5
<b>13</b>	22.9	13.6	17.8	25.2	16.6	20.4	24.6	16.9	20.6	19.4	11.8	15.6
<b>14</b>	21.8	14.6	18.6	27.8	17.2	21.3	24.5	17.8	20.2	18.5	13.5	15.8
<b>15</b>	23.5	14.4	19.2	27.5	16.2	21.3	27.0	17.7	21.5	18.0	13.0	15.6
<b>16</b>	24.0	17.2	20.6	27.4	17.0	21.9	26.6	16.9	21.5	18.4	13.4	15.7
<b>17</b>	22.7	17.6	20.0	26.2	18.1	21.7	24.4	18.4	20.9	17.4	13.4	15.2
<b>18</b>	21.9	13.4	17.6	27.4	17.4	22.1	22.1	16.8	19.4	17.5	11.4	14.4
<b>19</b>	23.0	13.8	18.2	27.6	19.1	22.4	22.9	16.2	19.5	16.8	10.4	13.7
<b>20</b>	24.7	16.0	20.2	26.8	18.4	21.8	23.1	15.6	19.3	17.3	10.7	14.0
<b>21</b>	23.5	15.6	19.6	28.3	18.2	23.0	23.6	14.9	19.2	18.3	10.6	14.4
<b>22</b>	24.5	15.9	20.3	28.8	19.1	23.5	22.8	16.1	19.1	17.6	11.4	14.6
<b>23</b>	25.7	16.0	20.8	26.1	19.6	22.3	17.6	14.0	15.6	15.2	11.6	13.4
<b>24</b>	25.2	16.6	20.9	27.2	18.2	22.4	21.4	12.3	16.4	11.6	8.6	10.1
<b>25</b>	25.2	16.2	20.4	27.4	19.6	23.0	22.4	12.0	17.2	15.1	7.5	10.8
<b>26</b>	25.4	16.0	20.3	27.7	19.4	22.5	19.4	13.0	16.4	15.5	7.8	11.5
<b>27</b>	26.0	16.6	20.7	25.5	18.7	21.7	19.9	14.4	16.9	16.3	8.4	12.2
<b>28</b>	26.0	15.6	20.6	26.8	17.9	21.9	22.9	13.7	18.2	14.6	9.5	12.1
<b>29</b>	25.9	17.8	21.5	27.1	17.4	21.8	25.5	13.5	19.1	14.2	9.7	11.9
<b>30</b>	25.4	16.6	20.9	27.3	17.7	22.0	22.1	14.6	18.6	13.0	8.6	10.4
<b>31</b>	---	---	---	25.0	17.6	21.4	23.8	15.5	19.2	---	---	---
<b>Month</b>	26.0	8.2	18.4	28.8	16.0	21.7	27.0	12.0	19.5	24.7	7.5	15.0