

Water-Data Report 2013

**06316400 CRAZY WOMAN CREEK AT UPPER STATION, NEAR ARVADA, WY**

Powder Basin  
Crazy Woman Subbasin

LOCATION.--Lat 44°29'28", long 106°10'38" referenced to North American Datum of 1927, in NE ¼ SW ¼ SW ¼ sec.7, T.52 N., R.77 W., Johnson County, WY, Hydrologic Unit 10090205, on left bank 1.1 mi upstream from Jewell Draw, 5.0 mi upstream from mouth, and 11 mi south of Arvada.

DRAINAGE AREA.--937 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--April 1963 to September 1970, October 1977 to September 1981, October 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,780 ft above NGVD of 1929, from topographic map. U.S. Geological Survey data collection platform with satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Diversions for irrigation upstream from station.

## 06316400 CRAZY WOMAN CREEK AT UPPER STATION, NEAR ARVADA, WY—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.07	6.4	e10	e5.8	e8.2	e20	17	18	44	6.4	0.05	0.01
2	0.07	6.4	e11	e5.8	e9.6	e23	16	33	47	5.6	0.05	0.00
3	0.07	6.6	e12	e5.2	e10	e25	16	29	42	5.3	18	0.00
4	0.07	7.0	e10	e5.6	e11	e26	15	26	33	5.9	18	0.00
5	0.08	6.8	e11	e5.6	e10	e25	13	22	31	22	8.4	0.00
6	0.08	6.8	e11	e6.2	e9.0	e24	11	15	30	16	23	0.00
7	0.07	8.1	e9.0	e5.4	e8.0	e23	13	12	30	13	13	0.00
8	0.07	12	e8.0	e5.6	e8.0	e23	13	11	28	16	6.4	0.00
9	0.06	12	e7.4	e5.9	e10	e22	e11	17	26	22	4.0	0.00
10	0.05	e11	e8.2	e5.4	e9.0	e22	e10	49	23	12	6.0	0.01
11	0.06	e8.0	8.9	e6.4	e7.0	e21	e16	66	22	9.4	3.4	0.01
12	0.07	e7.0	9.6	e6.6	e7.0	e20	20	56	25	7.7	1.7	0.00
13	0.07	e9.0	e8.4	e7.0	e12	e19	19	49	39	7.1	1.4	0.01
14	0.09	e10	e8.4	e7.6	e16	e20	20	45	25	6.3	0.67	0.01
15	0.11	e11	e8.8	e8.4	e14	e21	17	47	21	8.2	0.35	0.01
16	0.13	e11	e8.0	e8.0	e16	e23	18	56	23	12	0.17	0.01
17	0.13	e10	e8.2	e9.0	e15	e25	17	60	19	5.8	0.10	0.01
18	0.13	e12	e8.2	e8.6	e15	e23	16	55	17	5.1	0.07	0.01
19	0.15	e12	e7.8	e9.8	e14	e21	12	50	15	2.9	0.06	0.01
20	0.20	e12	e7.4	e9.4	e15	e20	12	52	13	2.2	0.05	1.2
21	0.20	e12	e7.8	e9.0	e15	e18	11	52	12	1.5	0.04	6.5
22	0.29	e10	e7.4	e10	e16	e19	10	55	31	0.97	0.04	6.3
23	0.39	e9.0	e7.6	e9.0	e16	e15	9.9	51	20	0.60	0.03	6.6
24	2.7	e10	e7.0	e11	e16	e14	10	41	18	0.35	0.03	5.8
25	4.3	e10	e5.0	e11	e15	e13	11	36	12	0.22	0.02	5.1
26	5.0	e9.0	e5.4	e11	e18	e14	12	37	12	0.16	0.02	4.6
27	5.8	e8.0	e5.4	e11	e17	e16	12	37	12	0.10	0.01	6.1
28	7.9	e8.6	e5.6	e9.0	e18	e17	13	35	11	0.09	0.01	5.9
29	7.7	e10	e6.0	e8.0	---	e18	13	81	9.0	0.07	0.01	7.0
30	6.8	e10	e5.6	e6.0	---	e17	13	47	7.6	0.06	0.01	15
31	6.2	---	e5.8	e7.0	---	e17	---	42	---	0.06	0.01	---
<b>Total</b>	49.11	281.7	249.9	239.3	354.8	624	416.9	1,282	697.6	195.08	105.10	70.20
<b>Mean</b>	1.58	9.39	8.06	7.72	12.7	20.1	13.9	41.4	23.3	6.29	3.39	2.34
<b>Max</b>	7.9	12	12	11	18	26	20	81	47	22	23	15
<b>Min</b>	0.05	6.4	5.0	5.2	7.0	13	9.9	11	7.6	0.06	0.01	0.00
<b>Ac-ft</b>	97	559	496	475	704	1,240	827	2,540	1,380	387	208	139

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2013, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	12.7	16.2	14.4	12.3	17.6	36.8	29.8	97.0	186	50.6	13.6	9.26
<b>Max</b>	39.5	42.1	39.7	26.3	41.3	101	71.6	629	590	183	68.6	54.9
<b>(WY)</b>	(1969)	(1979)	(1979)	(1980)	(1968)	(1978)	(1980)	(1978)	(1967)	(1967)	(1968)	(1968)
<b>Min</b>	0.05	0.45	1.04	0.64	3.50	11.2	7.29	5.50	1.78	0.01	0.00	0.02
<b>(WY)</b>	(2007)	(2007)	(2007)	(2007)	(2007)	(2005)	(1967)	(2004)	(2004)	(2006)	(1966)	(2006)

06316400 CRAZY WOMAN CREEK AT UPPER STATION, NEAR ARVADA, WY—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1963 - 2013	
<b>Annual total</b>	6,521.28		4,565.69			
<b>Annual mean</b>	17.8		12.5		40.4	
<b>Highest annual mean</b>					119	1978
<b>Lowest annual mean</b>					8.02	2002
<b>Highest daily mean</b>	170	Mar 6	81	May 29	2,030	May 20, 1978
<b>Lowest daily mean</b>	0.01	Aug 22 <sup>a</sup>	0.00	Sep 2 <sup>a</sup>	0.00	Sep 4, 1964 <sup>b</sup>
<b>Annual seven-day minimum</b>	0.01	Aug 22	0.00	Sep 2	0.00	Jul 25, 1966 <sup>c</sup>
<b>Maximum peak flow</b>			246	May 29	<sup>d</sup> 15,800 Jun 15, 1965	
<b>Maximum peak stage</b>			4.60	May 29	<sup>e</sup> 16.02 Jun 15, 1965	
<b>Annual runoff (ac-ft)</b>	12,930		9,060		29,260	
<b>10 percent exceeds</b>	44		26		78	
<b>50 percent exceeds</b>	12		9.4		14	
<b>90 percent exceeds</b>	0.04		0.06		0.70	

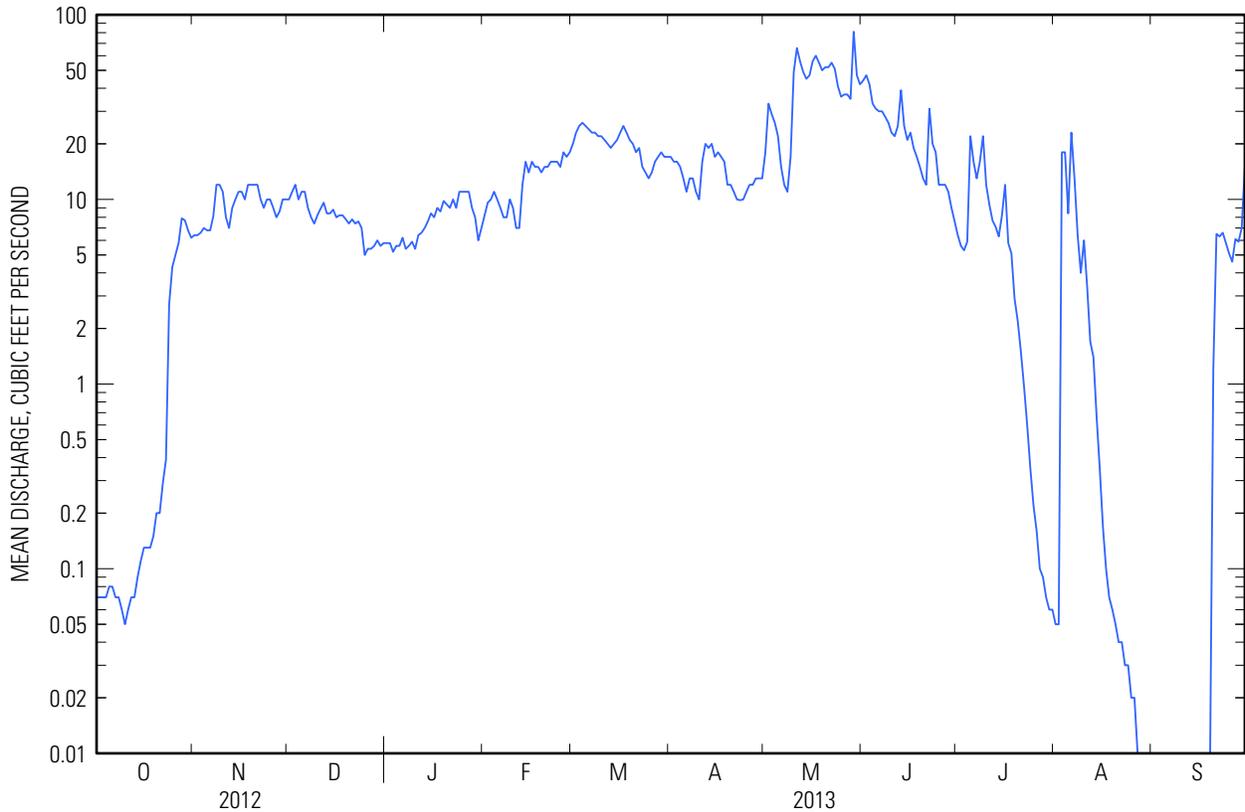
<sup>a</sup> Many days.

<sup>b</sup> Many days, some years.

<sup>c</sup> Some years.

<sup>d</sup> Slope-area indirect measurement of peak flow.

<sup>e</sup> From floodmarks.



**06316400 CRAZY WOMAN CREEK AT UPPER STATION, NEAR ARVADA, WY—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1967 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 2001 to current year (seasonal).

WATER TEMPERATURE: July 2001 to current year (seasonal).

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

REMARKS.--Specific conductance records are excellent except those for October 7-9, April 14-18, May 4-6, 10-22, 29, June 15, and July 5-11, 21, 22, which are good; June 16-25 and July 23 to Aug. 8, which are fair; and August 20 to September 1, and September 13-19, which are poor. Water temperature records are excellent except those for October 7-9, April 14-18, May 4-6, 10-22, 29, June 15, and July 5-11, 21, 22, which are good; June 16-25 and July 23 to Aug. 8, which are fair; and August 20 to September 1, and September 13-19, which are poor. 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 DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 5,910 microsiemens per centimeter at 25°C ( $\mu\text{S}/\text{cm}$ ), September 16, 2006; minimum recorded, 296  $\mu\text{S}/\text{cm}$  June 11, 2010.

WATER TEMPERATURE: Maximum recorded, 32.0°C, July 18, 2004; minimum recorded, -0.4°C, March 29, 2007.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 4,300  $\mu\text{S}/\text{cm}$ , October 25; minimum recorded, 780  $\mu\text{S}/\text{cm}$ , May 20.

WATER TEMPERATURE: Maximum recorded, 31.1 °C, July 15; minimum recorded, -0.1 °C, April 9, 10.

## 06316400 CRAZY WOMAN CREEK AT UPPER STATION, NEAR ARVADA, WY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	3,140	2,950	3,040	3,000	2,720	2,880	---	---	---	---	---	---
2	3,220	2,950	3,160	2,720	2,470	2,570	---	---	---	---	---	---
3	3,190	3,030	3,120	2,480	2,400	2,430	---	---	---	---	---	---
4	3,140	2,770	2,990	2,420	2,330	2,370	---	---	---	---	---	---
5	3,130	2,810	2,940	2,360	2,280	2,330	---	---	---	---	---	---
6	3,000	2,780	2,940	---	---	---	---	---	---	---	---	---
7	2,960	2,850	2,910	---	---	---	---	---	---	---	---	---
8	2,980	2,750	2,880	---	---	---	---	---	---	---	---	---
9	3,040	2,760	2,920	---	---	---	---	---	---	---	---	---
10	2,950	2,730	2,840	---	---	---	---	---	---	---	---	---
11	2,950	2,800	2,870	---	---	---	---	---	---	---	---	---
12	2,830	2,750	2,780	---	---	---	---	---	---	---	---	---
13	2,920	2,770	2,830	---	---	---	---	---	---	---	---	---
14	2,810	2,640	2,760	---	---	---	---	---	---	---	---	---
15	2,840	2,660	2,760	---	---	---	---	---	---	---	---	---
16	2,830	2,710	2,780	---	---	---	---	---	---	---	---	---
17	2,880	2,730	2,830	---	---	---	---	---	---	---	---	---
18	2,860	2,710	2,790	---	---	---	---	---	---	---	---	---
19	2,810	2,560	2,650	---	---	---	---	---	---	---	---	---
20	2,770	2,640	2,710	---	---	---	---	---	---	---	---	---
21	2,860	2,730	2,800	---	---	---	---	---	---	---	---	---
22	2,800	2,580	2,660	---	---	---	---	---	---	---	---	---
23	2,770	2,620	2,710	---	---	---	---	---	---	---	---	---
24	2,960	2,260	2,580	---	---	---	---	---	---	---	---	---
25	4,300	2,930	4,000	---	---	---	---	---	---	---	---	---
26	3,990	3,710	3,850	---	---	---	---	---	---	---	---	---
27	3,920	3,150	3,520	---	---	---	---	---	---	---	---	---
28	3,640	3,090	3,330	---	---	---	---	---	---	---	---	---
29	3,320	2,200	2,760	---	---	---	---	---	---	---	---	---
30	2,670	2,120	2,290	---	---	---	---	---	---	---	---	---
31	3,020	2,670	2,940	---	---	---	---	---	---	---	---	---
Month	4,300	2,120	2,930	---	---	---	---	---	---	---	---	---

## 06316400 CRAZY WOMAN CREEK AT UPPER STATION, NEAR ARVADA, WY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	1,410	1,350	1,380	1,750	1,700	1,730
2	---	---	---	---	---	---	1,520	1,410	1,480	1,760	1,670	1,690
3	---	---	---	---	---	---	1,600	1,520	1,560	1,970	1,760	1,880
4	---	---	---	---	---	---	1,600	1,570	1,580	1,940	1,760	1,830
5	---	---	---	---	---	---	1,600	1,530	1,550	1,900	1,760	1,800
6	---	---	---	---	---	---	1,570	1,550	1,560	1,960	1,900	1,920
7	---	---	---	---	---	---	1,620	1,570	1,590	2,330	1,960	2,150
8	---	---	---	---	---	---	1,650	1,610	1,630	2,340	1,830	2,200
9	---	---	---	---	---	---	1,680	1,650	1,660	1,830	1,370	1,550
10	---	---	---	---	---	---	1,670	1,650	1,660	1,370	1,250	1,290
11	---	---	---	---	---	---	1,750	1,660	1,680	1,530	1,260	1,410
12	---	---	---	---	---	---	1,860	1,750	1,820	1,540	1,140	1,370
13	---	---	---	---	---	---	1,840	1,790	1,810	1,140	1,010	1,080
14	---	---	---	---	---	---	1,850	1,780	1,810	1,010	946	980
15	---	---	---	---	---	---	1,930	1,850	1,860	946	843	901
16	---	---	---	---	---	---	2,070	1,930	2,020	855	837	846
17	---	---	---	---	---	---	2,140	1,960	2,020	879	851	870
18	---	---	---	---	---	---	2,190	2,120	2,150	887	878	883
19	---	---	---	---	---	---	2,190	1,960	2,080	886	811	862
20	---	---	---	---	---	---	2,050	1,930	1,960	811	780	787
21	---	---	---	---	---	---	2,200	2,050	2,150	822	785	805
22	---	---	---	---	---	---	2,130	1,910	2,010	857	822	837
23	---	---	---	---	---	---	1,910	1,810	1,850	847	821	833
24	---	---	---	---	---	---	1,810	1,780	1,790	833	808	820
25	---	---	---	---	---	---	1,850	1,800	1,830	849	810	829
26	---	---	---	---	---	---	1,810	1,760	1,770	837	801	818
27	---	---	---	---	---	---	1,760	1,750	1,750	819	783	797
28	---	---	---	---	---	---	1,780	1,750	1,760	871	819	841
29	---	---	---	---	---	---	1,760	1,740	1,750	970	---	---
30	---	---	---	1,340	1,250	1,300	1,770	1,740	1,750	---	---	---
31	---	---	---	1,390	1,300	1,370	---	---	---	---	---	---
Month	---	---	---	---	---	---	2,200	1,350	1,780	---	---	---

## 06316400 CRAZY WOMAN CREEK AT UPPER STATION, NEAR ARVADA, WY—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	1,500	1,460	1,480	2,550	2,350	2,440	3,070	2,970	3,010
2	---	---	---	1,530	1,470	1,490	2,560	2,410	2,500	---	---	---
3	---	---	---	1,670	1,530	1,600	2,550	2,070	2,400	---	---	---
4	---	---	---	1,940	1,670	1,790	2,550	1,630	1,870	---	---	---
5	---	---	---	2,040	1,860	1,890	1,970	1,630	1,810	---	---	---
6	---	---	---	1,890	1,860	1,880	2,110	1,870	1,990	---	---	---
7	---	---	---	1,860	1,650	1,750	2,110	1,600	1,740	---	---	---
8	---	---	---	1,670	1,580	1,620	1,670	1,620	1,660	---	---	---
9	---	---	---	1,680	1,470	1,520	1,620	1,420	1,520	---	---	---
10	---	---	---	1,660	1,500	1,560	1,420	1,240	1,320	---	---	---
11	---	---	---	1,630	1,490	1,550	1,240	1,210	1,220	---	---	---
12	1,140	1,100	1,120	---	---	---	1,250	1,220	1,230	---	---	---
13	1,150	1,110	1,130	---	---	---	1,290	1,240	1,260	3,290	3,050	3,230
14	1,140	1,040	1,130	---	---	---	1,380	1,280	1,310	3,310	3,100	3,240
15	1,100	932	1,010	---	---	---	1,490	1,370	1,410	3,370	3,090	3,250
16	1,200	984	1,070	1,880	1,820	1,860	1,590	1,460	1,510	3,260	3,050	3,200
17	1,260	1,160	1,210	1,820	1,750	1,780	1,730	1,580	1,650	3,220	3,010	3,130
18	1,290	1,230	1,260	1,800	1,610	1,710	1,890	1,670	1,820	3,160	3,000	3,090
19	1,260	1,190	1,240	1,610	1,580	1,590	2,030	1,800	1,910	3,160	2,900	3,080
20	1,300	1,140	1,230	1,680	1,600	1,640	2,160	1,850	2,040	3,130	1,960	2,870
21	1,330	1,260	1,310	1,800	1,680	1,730	2,290	2,080	2,190	3,180	2,420	2,850
22	1,650	1,270	1,360	1,890	1,790	1,830	2,330	2,200	2,260	2,870	2,220	2,380
23	1,620	1,360	1,430	1,980	1,870	1,920	2,400	2,240	2,320	2,490	2,180	2,350
24	2,140	1,380	1,720	2,040	1,940	1,980	2,480	2,310	2,400	2,200	2,040	2,140
25	1,400	1,380	1,380	2,130	2,000	2,050	2,560	2,460	2,500	2,460	2,170	2,330
26	1,380	1,370	1,370	2,180	2,070	2,120	2,680	2,510	2,580	2,290	2,070	2,180
27	1,440	1,370	1,380	2,280	2,140	2,190	2,710	2,630	2,670	2,070	1,850	1,940
28	1,420	1,400	1,410	2,300	2,210	2,270	2,800	2,700	2,750	2,090	1,850	1,950
29	1,470	1,420	1,440	2,350	2,230	2,300	2,860	2,780	2,820	2,110	1,890	2,050
30	1,510	1,470	1,490	2,420	2,260	2,350	2,900	2,810	2,860	1,890	1,500	1,640
31	---	---	---	2,400	2,330	2,360	3,010	2,890	2,960	---	---	---
Month	---	---	---	---	---	---	3,010	1,210	2,030	---	---	---

## 06316400 CRAZY WOMAN CREEK AT UPPER STATION, NEAR ARVADA, WY—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	18.7	10.1	14.0	5.5	4.0	4.7	---	---	---	---	---	---
2	18.7	9.9	13.8	7.4	3.8	5.4	---	---	---	---	---	---
3	12.9	7.3	9.7	6.2	2.6	4.4	---	---	---	---	---	---
4	11.7	5.8	8.3	6.2	3.3	4.7	---	---	---	---	---	---
5	9.8	6.0	7.7	6.7	4.3	5.6	---	---	---	---	---	---
6	11.3	4.5	7.2	---	---	---	---	---	---	---	---	---
7	11.9	4.4	7.9	---	---	---	---	---	---	---	---	---
8	10.3	5.2	7.8	---	---	---	---	---	---	---	---	---
9	11.8	6.8	8.6	---	---	---	---	---	---	---	---	---
10	12.7	4.0	8.0	---	---	---	---	---	---	---	---	---
11	11.3	7.2	9.0	---	---	---	---	---	---	---	---	---
12	14.9	5.4	8.9	---	---	---	---	---	---	---	---	---
13	11.6	7.4	9.6	---	---	---	---	---	---	---	---	---
14	13.1	6.3	9.4	---	---	---	---	---	---	---	---	---
15	11.0	6.9	9.0	---	---	---	---	---	---	---	---	---
16	10.4	6.3	8.3	---	---	---	---	---	---	---	---	---
17	8.6	4.9	6.6	---	---	---	---	---	---	---	---	---
18	8.6	2.7	5.6	---	---	---	---	---	---	---	---	---
19	9.7	3.4	6.3	---	---	---	---	---	---	---	---	---
20	11.5	4.7	7.8	---	---	---	---	---	---	---	---	---
21	9.0	7.6	8.3	---	---	---	---	---	---	---	---	---
22	9.6	5.8	7.6	---	---	---	---	---	---	---	---	---
23	8.8	7.2	8.0	---	---	---	---	---	---	---	---	---
24	7.8	4.2	6.1	---	---	---	---	---	---	---	---	---
25	4.2	2.1	3.2	---	---	---	---	---	---	---	---	---
26	4.5	1.0	2.5	---	---	---	---	---	---	---	---	---
27	4.9	1.4	2.8	---	---	---	---	---	---	---	---	---
28	5.8	2.0	3.9	---	---	---	---	---	---	---	---	---
29	6.2	3.0	4.6	---	---	---	---	---	---	---	---	---
30	7.0	3.3	5.0	---	---	---	---	---	---	---	---	---
31	7.3	3.2	5.2	---	---	---	---	---	---	---	---	---
<b>Month</b>	18.7	1.0	7.4	---	---	---	---	---	---	---	---	---

## 06316400 CRAZY WOMAN CREEK AT UPPER STATION, NEAR ARVADA, WY—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	8.6	2.7	5.6	11.8	6.5	9.2
2	---	---	---	---	---	---	9.7	3.9	6.7	13.2	7.0	10.2
3	---	---	---	---	---	---	11.3	5.8	8.5	14.5	8.6	11.6
4	---	---	---	---	---	---	12.6	7.0	9.8	14.7	11.5	13.0
5	---	---	---	---	---	---	12.1	9.7	10.9	16.6	9.7	13.2
6	---	---	---	---	---	---	13.2	8.0	10.6	18.4	11.5	15.0
7	---	---	---	---	---	---	13.2	9.3	11.4	19.4	12.7	16.1
8	---	---	---	---	---	---	11.5	1.1	6.6	20.1	14.1	17.1
9	---	---	---	---	---	---	1.1	-0.1	0.4	18.8	14.0	16.6
10	---	---	---	---	---	---	6.4	-0.1	2.8	18.2	14.0	16.4
11	---	---	---	---	---	---	6.9	3.4	5.0	19.0	13.9	16.4
12	---	---	---	---	---	---	9.1	4.5	6.7	20.2	15.3	17.8
13	---	---	---	---	---	---	10.0	5.5	7.5	22.3	16.8	19.5
14	---	---	---	---	---	---	7.7	4.8	6.1	23.4	17.8	20.5
15	---	---	---	---	---	---	4.8	2.2	3.3	22.7	17.8	20.4
16	---	---	---	---	---	---	3.1	1.8	2.4	22.2	18.3	20.3
17	---	---	---	---	---	---	3.1	1.1	2.1	21.5	18.9	20.1
18	---	---	---	---	---	---	6.9	0.2	3.6	19.7	17.4	18.1
19	---	---	---	---	---	---	8.5	4.5	6.5	17.5	15.3	16.2
20	---	---	---	---	---	---	9.7	6.0	7.9	15.3	13.0	13.8
21	---	---	---	---	---	---	8.3	5.0	7.3	16.5	11.8	13.9
22	---	---	---	---	---	---	7.2	2.6	4.7	15.6	13.2	14.5
23	---	---	---	---	---	---	9.3	1.7	5.6	15.9	12.8	14.3
24	---	---	---	---	---	---	10.5	4.9	7.5	19.7	14.0	16.5
25	---	---	---	---	---	---	13.4	5.9	9.6	21.4	15.3	18.2
26	---	---	---	---	---	---	15.8	8.3	12.1	21.7	17.0	19.2
27	---	---	---	---	---	---	17.4	10.5	14.0	20.4	17.6	19.1
28	---	---	---	---	---	---	15.2	11.8	13.6	20.0	15.8	18.0
29	---	---	---	3.3	---	---	13.5	10.1	11.6	18.5	14.4	16.8
30	---	---	---	4.0	0.0	1.8	11.0	8.6	10.1	14.4	10.0	11.4
31	---	---	---	6.7	2.0	4.3	---	---	---	10.1	8.8	9.5
<b>Month</b>	---	---	---	---	---	---	17.4	-0.1	7.3	23.4	6.5	15.9

## 06316400 CRAZY WOMAN CREEK AT UPPER STATION, NEAR ARVADA, WY—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	14.9	9.2	11.6	28.3	20.9	24.5	28.6	20.0	23.3	26.8	14.9	20.4
2	19.1	12.6	15.5	28.7	21.1	24.8	27.9	20.1	23.3	---	---	---
3	18.9	15.7	17.3	28.1	20.6	24.2	25.7	19.6	22.3	---	---	---
4	16.5	13.3	14.5	28.4	21.1	24.3	27.1	21.3	24.1	---	---	---
5	18.3	11.6	14.8	26.6	21.7	24.0	26.8	22.1	24.5	---	---	---
6	19.9	14.1	17.0	27.7	21.8	24.6	24.9	20.6	22.8	---	---	---
7	21.1	16.2	18.9	28.6	22.1	25.0	25.5	20.1	22.9	---	---	---
8	21.8	17.9	19.8	28.8	22.6	25.3	24.5	19.4	22.1	---	---	---
9	23.9	17.6	20.7	27.2	22.0	24.7	24.1	19.9	21.9	---	---	---
10	24.7	19.6	22.2	28.8	22.1	25.2	24.9	18.8	21.6	---	---	---
11	24.4	20.2	22.1	27.4	22.2	24.9	25.5	18.8	22.1	---	---	---
12	24.0	18.9	21.2	25.1	20.3	23.0	24.9	18.4	21.8	---	---	---
13	24.2	17.8	21.1	29.4	18.3	23.0	26.1	18.4	22.1	---	---	---
14	23.6	19.1	21.2	28.6	18.8	22.4	26.7	18.9	21.9	21.4	16.0	18.9
15	22.4	16.9	19.7	31.1	18.8	24.0	26.8	17.6	21.8	21.5	16.5	18.5
16	24.1	18.0	21.0	26.4	21.7	23.9	28.8	17.4	22.2	24.1	14.4	18.5
17	24.9	19.8	22.4	29.7	21.7	25.4	26.9	18.1	22.0	22.7	14.6	18.2
18	23.1	20.2	21.5	30.1	24.2	26.7	25.3	19.0	21.8	22.4	15.6	18.1
19	24.8	17.9	21.1	30.3	22.6	26.3	27.0	17.6	21.9	17.4	12.0	14.6
20	23.8	19.3	21.6	29.0	22.4	25.8	25.5	18.1	21.6	19.6	8.0	13.4
21	21.3	18.5	19.9	29.6	22.0	25.3	23.7	17.9	20.4	18.0	11.0	14.4
22	19.7	10.4	16.8	29.9	21.7	25.0	25.2	18.1	20.7	17.7	12.8	15.1
23	20.4	10.1	14.9	28.9	21.5	24.6	27.8	18.5	22.5	17.4	14.2	15.3
24	21.7	17.3	19.5	27.8	20.5	23.9	27.0	19.2	22.8	16.9	11.2	14.0
25	24.3	19.0	21.4	27.2	20.0	23.5	27.0	18.2	22.0	15.1	12.7	13.7
26	25.6	19.3	22.3	28.2	19.2	23.3	26.0	19.4	22.5	13.9	10.7	12.7
27	26.9	20.3	23.4	26.7	19.8	22.7	28.1	18.5	22.8	10.7	8.0	9.1
28	27.2	20.9	24.0	26.0	18.3	21.7	28.0	19.3	23.6	13.0	6.5	9.4
29	27.5	20.7	24.0	25.9	18.7	22.1	28.6	18.8	23.1	11.7	9.2	10.4
30	28.3	21.1	24.5	26.1	19.3	22.1	29.1	17.9	22.6	13.2	9.4	11.3
31	---	---	---	28.5	18.2	22.8	25.9	17.2	21.1	---	---	---
Month	28.3	9.2	19.9	31.1	18.2	24.2	29.1	17.2	22.3	---	---	---