

Water-Data Report 2008

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD

Cheyenne Basin
Middle Cheyenne-Spring Subbasin

LOCATION.--Lat 43°24'06", long 103°24'39" referenced to North American Datum of 1927, in SW ¼ NW ¼ NE ¼ sec.33, T.7 S., R.6 E., Fall River County, SD, Hydrologic Unit 10120109, approximately 1.5 miles upstream of the mouth and 150 feet upstream of the falls.

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 2008 to October 2008 (discontinued).

pH: April 2008 to October 2008 (discontinued).

WATER TEMPERATURE: April 2008 to October 2008 (discontinued).

DISSOLVED OXYGEN: April 2008 to October 2008 (discontinued).

TURBIDITY: April 2008 to October 2008 (discontinued).

REMARKS.--Data published in the tables below are rated as follows: specific conductance excellent except for April 19-24, 2008, May 1-6, 2008, May 17-26, 2008, June 6-13, 2008, June 22-28, 2008, August 2-12, 2008, and August 24 to September 3, 2008, September 13-15, 2008, September 22 to October 1, 2008, October 16-29, 2008, which are good; April 25-29, 2008, May 7-10, 2008, May 27 to June 3, 2008, June 14-19, 2008, June 29-July 3, 2008, July 9-29, 2008, August 13-19, 2008, September 4-10, 2008, September 16-18, 2008, October 2-9, 2008, October 30, 2008 which are fair; May 11-12, 2008, July 4-8, 2008, August 20, 2008, September 11, 2008, October 10, 2008, which are poor; pH excellent except for April 21-25, 2008, May 6-12, 2008, May 23-June 3, 2008, June 9-19, 2008, June 27-July 8, 2008, July 19-29, 2008, September 4-11, 2008, September 14-18, 2008, October 5-10, 2008, October 20-30, 2008 which are good; April 26-29, 2008 which are fair; water temperature excellent; dissolved oxygen excellent except for July 6-8, 2008, July 22-29, 2008, August 7-15, 2008, September 3-11, 2008, October 4-10, 2008, October 18-24, 2008, which are good, August 16-20, 2008, October 25-30, 2008, which are fair; turbidity excellent except for April 20-22, 2008, May 1, 2008, May 15-17, 2008, June 5-6, 2008, June 20, 2008 July 10-11, 2008, July 31-August 1, 2008, September 1-10, 2008, September 20-21, 2008, October 11, 2008, which are good; April 23-24, 2008, May 2-3, 2008, May 18-20, 2008, June 7-8, 2008, June 21-22, 2008, July 12-13, 2008, August 2-4, 2008, September 22-23, 2008, October 12-13, 2008, which are fair, and April 25-29, 2008, May 4-8, 2008, May 21-29, 2008, June 9-13, 2008, June 23-25, 2008, July 14-17, 2008, August 5-11, 2008, September 24-29, 2008, October 14-16, 2008, which are poor. Daily records are collected at 15-minute intervals using multi-parameter water-quality instrument from April to November.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1,340 μ S/cm, July 19, 2008; minimum, 285 μ S/cm, July 18, 2008

pH: Maximum, 8.5 standard units, May 24, 2008; minimum, 7.8 standard units, August 4, 2008

WATER TEMPERATURE: Maximum, 28.8 C, July 10, 2008 and July 23, 2008

DISSOLVED OXYGEN: Maximum, 9.8 mg/L, October 13, 2008; minimum, 6.2 mg/L, June 26, 2008, July 4, 2008 and July 6-7, 2008

TURBIDITY: Maximum, 1,230 FN units, August 6, 2008; minimum, 3.2 FN units, April 18, 2008

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SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
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23	---	---	---	---	---	---	---	---	---	---	---	---
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27	---	---	---	---	---	---	---	---	---	---	---	---
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30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	1,210	671	1,030
2	---	---	---	---	---	---	---	---	---	1,140	1,000	1,080
3	---	---	---	---	---	---	---	---	---	1,130	1,070	1,110
4	---	---	---	---	---	---	---	---	---	1,170	1,120	1,140
5	---	---	---	---	---	---	---	---	---	1,180	1,130	1,150
6	---	---	---	---	---	---	---	---	---	1,180	1,150	1,160
7	---	---	---	---	---	---	---	---	---	1,200	1,160	1,170
8	---	---	---	---	---	---	---	---	---	1,220	1,020	1,160
9	---	---	---	---	---	---	---	---	---	1,230	896	1,180
10	---	---	---	---	---	---	---	---	---	1,250	884	1,160
11	---	---	---	---	---	---	---	---	---	1,270	1,250	1,260
12	---	---	---	---	---	---	---	---	---	1,280	1,220	1,270
13	---	---	---	---	---	---	---	---	---	1,220	1,160	1,180
14	---	---	---	---	---	---	---	---	---	1,180	1,130	1,160
15	---	---	---	---	---	---	---	---	---	1,180	1,130	1,150
16	---	---	---	---	---	---	---	---	---	1,160	1,130	1,140
17	---	---	---	---	---	---	---	1,220	---	1,170	1,140	1,150
18	---	---	---	---	---	---	1,240	1,180	1,220	1,170	1,140	1,150
19	---	---	---	---	---	---	1,220	1,170	1,200	1,180	1,140	1,160
20	---	---	---	---	---	---	1,230	1,150	1,170	1,190	1,140	1,160
21	---	---	---	---	---	---	1,200	1,140	1,170	1,180	1,150	1,160
22	---	---	---	---	---	---	1,210	1,150	1,170	1,190	728	1,090
23	---	---	---	---	---	---	1,210	1,140	1,180	1,190	730	1,080
24	---	---	---	---	---	---	1,200	1,040	1,170	1,190	565	939
25	---	---	---	---	---	---	1,210	1,150	1,190	1,220	1,180	1,190
26	---	---	---	---	---	---	1,220	1,180	1,190	1,210	1,170	1,190
27	---	---	---	---	---	---	1,240	1,190	1,210	1,210	903	1,140
28	---	---	---	---	---	---	1,240	1,200	1,220	1,240	1,200	1,220
29	---	---	---	---	---	---	1,260	1,200	1,220	1,240	1,180	1,220
30	---	---	---	---	---	---	1,250	1,170	1,210	1,260	1,210	1,230
31	---	---	---	---	---	---	---	---	---	1,260	1,220	1,240
Month	---	---	---	---	---	---	---	---	---	1,280	565	1,160

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	1,260	1,220	1,240	1,290	627	1,140	1,270	1,230	1,250	1,240	1,190	1,210
2	1,250	873	1,170	1,240	1,040	1,190	1,250	1,210	1,230	1,240	1,180	1,210
3	1,280	---	---	1,260	1,210	1,230	1,250	1,200	1,220	1,220	1,040	1,200
4	1,260	1,140	1,220	1,270	1,220	1,240	1,240	1,200	1,220	1,230	895	1,160
5	1,240	1,140	1,180	1,290	1,240	1,260	1,210	643	1,090	1,220	1,180	1,210
6	1,210	1,150	1,180	1,300	769	1,230	1,230	837	1,140	1,220	1,180	1,210
7	1,200	1,150	1,170	1,280	687	1,120	1,220	1,180	1,200	1,230	1,160	1,200
8	1,210	1,150	1,170	1,280	1,220	1,250	1,220	1,190	1,210	1,260	1,180	1,230
9	1,200	1,150	1,170	1,240	1,180	1,210	1,220	1,190	1,210	1,260	1,230	1,240
10	1,200	1,160	1,180	1,200	1,130	1,170	1,230	962	1,180	1,270	1,240	1,250
11	1,200	1,170	1,180	1,160	1,100	1,130	1,240	1,100	1,220	1,290	---	---
12	1,210	1,180	1,190	1,140	1,090	1,120	1,230	1,200	1,210	1,280	1,200	1,260
13	1,210	1,180	1,190	1,130	1,080	1,110	1,240	1,210	1,220	1,270	1,170	1,240
14	1,230	1,180	1,210	1,120	1,070	1,100	1,250	1,030	1,210	1,290	1,230	1,240
15	1,230	1,210	1,220	1,130	1,080	1,110	1,250	1,100	1,220	1,300	1,230	1,250
16	1,240	1,140	1,220	1,130	1,080	1,100	1,230	1,210	1,220	1,290	1,240	1,260
17	1,250	1,200	1,230	1,130	1,080	1,100	1,260	1,220	1,240	1,280	1,250	1,270
18	1,270	1,180	1,240	1,330	284	1,090	1,270	1,230	1,250	1,300	1,240	1,270
19	1,270	1,240	1,260	1,340	1,270	1,300	1,300	1,260	1,280	1,300	1,220	1,260
20	1,280	869	1,210	1,310	1,240	1,280	1,300	1,250	1,280	1,260	1,210	1,220
21	1,250	1,140	1,220	1,270	1,240	1,250	1,300	1,250	1,270	1,220	1,170	1,200
22	1,250	1,190	1,220	1,280	1,110	1,220	1,280	1,240	1,260	1,190	1,140	1,170
23	1,240	1,170	1,210	1,270	1,210	1,240	1,250	1,200	1,230	1,170	1,140	1,150
24	1,220	1,160	1,190	1,260	963	1,230	1,230	1,190	1,210	1,160	1,120	1,140
25	1,220	840	1,140	1,270	947	1,220	1,240	1,190	1,210	1,170	1,120	1,150
26	1,220	1,170	1,190	1,270	734	1,120	1,240	1,180	1,210	1,160	1,140	1,150
27	1,220	1,120	1,200	1,280	1,200	1,260	1,260	1,180	1,230	1,240	1,160	1,200
28	1,230	1,190	1,210	1,280	1,250	1,270	1,260	1,200	1,230	1,220	1,170	1,200
29	1,250	1,200	1,230	1,310	1,240	1,270	1,270	1,200	1,240	1,230	1,190	1,200
30	1,270	1,220	1,240	1,310	1,260	1,280	1,260	1,220	1,230	1,210	1,180	1,190
31	---	---	---	1,290	1,240	1,260	1,240	1,200	1,210	---	---	---
Month	1,280	---	---	1,340	284	1,200	1,300	643	1,220	1,300	---	---

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	1,220	1,190	1,200	---	---	---	---	---	---	---	---	---
2	1,230	1,200	1,210	---	---	---	---	---	---	---	---	---
3	1,240	1,200	1,220	---	---	---	---	---	---	---	---	---
4	1,240	1,210	1,220	---	---	---	---	---	---	---	---	---
5	1,260	1,200	1,230	---	---	---	---	---	---	---	---	---
6	1,260	1,220	1,230	---	---	---	---	---	---	---	---	---
7	1,260	1,220	1,240	---	---	---	---	---	---	---	---	---
8	1,270	1,230	1,240	---	---	---	---	---	---	---	---	---
9	1,280	1,240	1,260	---	---	---	---	---	---	---	---	---
10	1,280	1,240	1,260	---	---	---	---	---	---	---	---	---
11	1,260	1,110	1,230	---	---	---	---	---	---	---	---	---
12	1,240	865	1,110	---	---	---	---	---	---	---	---	---
13	1,200	1,150	1,170	---	---	---	---	---	---	---	---	---
14	1,180	1,140	1,160	---	---	---	---	---	---	---	---	---
15	1,180	1,140	1,160	---	---	---	---	---	---	---	---	---
16	1,180	1,140	1,160	---	---	---	---	---	---	---	---	---
17	1,180	1,120	1,150	---	---	---	---	---	---	---	---	---
18	1,170	1,140	1,150	---	---	---	---	---	---	---	---	---
19	1,180	1,140	1,150	---	---	---	---	---	---	---	---	---
20	1,190	1,150	1,170	---	---	---	---	---	---	---	---	---
21	1,200	1,030	1,160	---	---	---	---	---	---	---	---	---
22	1,220	1,170	1,190	---	---	---	---	---	---	---	---	---
23	1,210	1,180	1,190	---	---	---	---	---	---	---	---	---
24	1,230	1,190	1,210	---	---	---	---	---	---	---	---	---
25	1,230	1,190	1,200	---	---	---	---	---	---	---	---	---
26	1,250	1,210	1,220	---	---	---	---	---	---	---	---	---
27	1,250	1,210	1,230	---	---	---	---	---	---	---	---	---
28	1,260	1,210	1,230	---	---	---	---	---	---	---	---	---
29	1,260	1,230	1,240	---	---	---	---	---	---	---	---	---
30	1,280	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	---	---	8.4	8.2	8.2	8.2	8.2	8.0	7.9	7.9	8.1	8.0
2	---	---	8.2	8.1	8.3	8.1	8.3	8.1	7.9	7.9	8.1	8.0
3	---	---	8.2	8.0	8.2	8.1	8.2	8.1	7.9	7.9	8.2	8.0
4	---	---	8.1	8.0	8.2	8.1	8.2	8.1	7.9	7.8	8.2	8.0
5	---	---	8.1	8.0	8.2	8.2	8.1	8.0	8.0	7.9	8.1	8.0
6	---	---	8.1	8.0	8.2	8.1	8.2	8.0	8.0	7.9	8.1	8.0
7	---	---	8.1	8.0	8.2	8.1	8.1	7.9	7.9	7.9	8.2	8.1
8	---	---	8.2	8.1	8.1	8.0	8.2	8.0	8.0	7.9	8.2	8.1
9	---	---	8.2	8.1	8.1	8.0	8.1	7.9	7.9	7.9	8.2	8.1
10	---	---	8.3	8.2	8.1	8.0	8.0	7.9	8.0	7.9	8.3	8.1
11	---	---	8.2	8.1	8.1	8.0	8.0	7.9	8.0	7.9	8.3	8.1
12	---	---	8.3	8.2	8.2	8.0	8.0	7.9	8.0	7.9	8.1	8.0
13	---	---	8.3	8.2	8.2	8.1	8.0	7.9	7.9	7.9	8.0	8.0
14	---	---	8.2	8.1	8.2	8.1	8.2	7.9	8.0	7.9	8.1	8.0
15	---	---	8.1	8.1	8.2	8.1	8.1	8.0	8.1	7.9	8.1	8.0
16	---	---	8.1	8.0	8.3	8.1	8.1	8.0	8.1	8.0	8.1	8.0
17	8.4	8.3	8.0	8.0	8.2	8.1	8.0	8.0	8.0	7.9	8.1	8.0
18	8.3	8.1	8.0	8.0	8.2	8.1	8.3	7.9	8.1	7.9	8.2	8.0
19	8.2	8.1	8.0	8.0	8.2	8.1	8.4	8.2	8.1	8.0	8.2	8.0
20	8.1	8.1	8.1	8.0	8.2	8.1	8.2	8.1	8.2	8.0	8.0	8.0
21	8.2	8.1	8.1	8.1	8.1	7.9	8.2	8.1	8.1	8.0	8.0	7.9
22	8.1	8.1	8.2	8.0	8.0	7.9	8.2	8.0	8.0	7.9	8.0	7.9
23	8.1	8.0	8.4	8.2	8.0	8.0	8.2	8.1	7.9	7.9	8.0	7.9
24	8.2	8.1	8.5	8.2	8.0	8.0	8.1	8.0	7.9	7.9	8.0	7.9
25	8.1	8.1	8.3	8.2	8.1	8.0	8.1	8.0	8.0	7.9	8.1	7.9
26	8.1	8.1	8.2	8.2	8.0	8.0	8.2	8.0	8.0	7.9	8.0	8.0
27	8.1	8.1	8.4	8.2	8.0	7.9	8.1	8.0	8.1	7.9	8.0	8.0
28	8.2	8.1	8.2	8.2	8.0	8.0	8.1	8.0	8.1	8.0	8.0	7.9
29	8.3	8.1	8.2	8.2	8.0	7.9	8.3	8.0	8.1	8.0	8.1	7.9
30	8.3	8.2	8.2	8.2	8.1	8.0	8.1	8.0	8.1	8.0	8.1	8.1
31	---	---	8.2	8.1	---	---	8.0	7.9	8.1	8.0	---	---
Month	---	---	8.5	8.0	8.3	7.9	8.4	7.9	8.2	7.8	8.3	7.9

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	8.1	8.1	---	---	---	---	---	---	---	---	---	---
2	8.2	8.1	---	---	---	---	---	---	---	---	---	---
3	8.1	8.1	---	---	---	---	---	---	---	---	---	---
4	8.1	8.1	---	---	---	---	---	---	---	---	---	---
5	8.2	8.1	---	---	---	---	---	---	---	---	---	---
6	8.2	8.1	---	---	---	---	---	---	---	---	---	---
7	8.2	8.1	---	---	---	---	---	---	---	---	---	---
8	8.1	8.1	---	---	---	---	---	---	---	---	---	---
9	8.2	8.1	---	---	---	---	---	---	---	---	---	---
10	8.3	8.2	---	---	---	---	---	---	---	---	---	---
11	8.3	8.2	---	---	---	---	---	---	---	---	---	---
12	8.4	8.2	---	---	---	---	---	---	---	---	---	---
13	8.2	8.1	---	---	---	---	---	---	---	---	---	---
14	8.1	8.0	---	---	---	---	---	---	---	---	---	---
15	8.1	8.0	---	---	---	---	---	---	---	---	---	---
16	8.0	8.0	---	---	---	---	---	---	---	---	---	---
17	8.1	8.0	---	---	---	---	---	---	---	---	---	---
18	8.1	8.1	---	---	---	---	---	---	---	---	---	---
19	8.2	8.1	---	---	---	---	---	---	---	---	---	---
20	8.2	8.1	---	---	---	---	---	---	---	---	---	---
21	8.3	8.1	---	---	---	---	---	---	---	---	---	---
22	8.2	8.1	---	---	---	---	---	---	---	---	---	---
23	8.1	8.1	---	---	---	---	---	---	---	---	---	---
24	8.1	8.1	---	---	---	---	---	---	---	---	---	---
25	8.1	8.0	---	---	---	---	---	---	---	---	---	---
26	8.1	8.0	---	---	---	---	---	---	---	---	---	---
27	8.2	8.1	---	---	---	---	---	---	---	---	---	---
28	8.1	8.0	---	---	---	---	---	---	---	---	---	---
29	8.1	8.0	---	---	---	---	---	---	---	---	---	---
30	8.2	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	18.8	14.3	16.8
2	---	---	---	---	---	---	---	---	---	16.1	12.7	14.7
3	---	---	---	---	---	---	---	---	---	21.6	13.7	17.2
4	---	---	---	---	---	---	---	---	---	22.9	16.0	19.2
5	---	---	---	---	---	---	---	---	---	24.8	16.3	20.2
6	---	---	---	---	---	---	---	---	---	24.4	18.0	20.9
7	---	---	---	---	---	---	---	---	---	21.7	18.1	19.8
8	---	---	---	---	---	---	---	---	---	21.1	17.8	19.5
9	---	---	---	---	---	---	---	---	---	20.4	16.8	18.6
10	---	---	---	---	---	---	---	---	---	18.3	16.2	17.5
11	---	---	---	---	---	---	---	---	---	24.2	15.0	19.2
12	---	---	---	---	---	---	---	---	---	21.1	18.3	19.7
13	---	---	---	---	---	---	---	---	---	21.6	17.7	19.2
14	---	---	---	---	---	---	---	---	---	20.9	16.1	18.5
15	---	---	---	---	---	---	---	---	---	22.1	18.1	19.9
16	---	---	---	---	---	---	---	---	---	24.9	18.5	21.2
17	---	---	---	---	---	---	21.0	---	---	25.6	18.1	21.4
18	---	---	---	---	---	---	22.8	14.3	18.2	26.0	18.4	21.8
19	---	---	---	---	---	---	22.8	15.7	19.0	23.7	20.1	21.6
20	---	---	---	---	---	---	23.1	16.9	19.6	25.8	19.6	22.3
21	---	---	---	---	---	---	19.1	15.1	17.1	22.7	19.2	20.7
22	---	---	---	---	---	---	21.6	15.2	17.9	19.9	15.2	17.6
23	---	---	---	---	---	---	21.9	16.3	18.8	19.8	15.1	17.8
24	---	---	---	---	---	---	19.1	16.6	17.8	22.8	15.1	18.8
25	---	---	---	---	---	---	19.5	15.6	17.2	24.6	18.0	20.8
26	---	---	---	---	---	---	18.9	15.4	16.8	20.4	17.3	18.8
27	---	---	---	---	---	---	21.3	13.7	17.1	18.0	15.2	17.0
28	---	---	---	---	---	---	21.0	14.7	17.8	20.0	17.3	18.7
29	---	---	---	---	---	---	24.5	15.6	19.7	24.8	19.0	21.3
30	---	---	---	---	---	---	22.5	17.5	19.8	25.2	18.4	21.4
31	---	---	---	---	---	---	---	---	---	25.2	18.6	21.6
Month	---	---	---	---	---	---	---	---	---	26.0	12.7	19.5

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	25.8	18.9	22.1	25.5	21.2	23.0	28.7	21.7	24.9	24.8	21.6	23.1
2	24.9	19.5	22.3	22.9	21.4	22.1	27.0	23.2	25.1	22.8	18.5	20.7
3	25.1	20.1	22.4	25.8	21.1	23.0	27.4	22.0	24.5	22.4	18.0	19.9
4	24.4	20.8	22.2	28.6	21.0	24.4	25.1	22.7	23.7	22.5	18.7	20.4
5	21.9	19.3	20.8	26.6	22.4	24.3	27.6	21.1	24.1	21.4	19.4	20.4
6	24.4	18.5	21.0	27.9	22.0	24.5	27.2	22.2	24.3	22.7	18.6	20.5
7	23.3	19.9	21.3	27.4	21.0	23.9	27.8	21.9	24.6	20.1	18.9	19.3
8	23.5	18.6	20.8	27.4	21.5	24.1	27.3	22.3	24.6	22.4	18.2	19.9
9	23.9	18.6	20.8	28.2	21.6	24.4	28.0	22.1	24.9	23.9	18.0	20.8
10	25.6	18.7	21.7	28.8	21.5	24.9	26.7	22.8	24.4	23.9	21.2	22.4
11	21.9	19.2	20.5	27.1	21.6	24.1	26.2	21.6	23.8	22.7	20.8	21.6
12	22.2	17.4	19.6	25.4	19.2	22.1	27.6	21.1	24.0	21.7	20.1	20.9
13	24.4	17.7	20.6	27.0	18.6	22.5	26.8	21.2	23.8	22.9	20.1	21.4
14	26.1	17.9	21.7	27.5	20.0	23.5	23.3	21.4	22.3	22.3	17.7	19.9
15	25.7	19.6	22.2	27.9	21.1	24.1	21.6	20.3	21.0	23.4	17.6	20.2
16	22.9	19.7	21.2	26.8	21.0	23.9	25.3	20.0	22.3	24.3	18.3	21.0
17	27.3	19.9	23.0	27.4	22.3	24.5	26.1	20.3	22.9	24.4	18.5	21.3
18	25.8	20.6	22.9	25.0	9.1	19.6	26.7	21.0	23.6	24.7	19.5	21.9
19	26.4	21.0	23.3	27.3	21.2	23.9	26.7	20.6	23.5	24.1	20.0	22.0
20	25.7	20.4	22.6	27.6	21.5	24.5	27.1	21.3	24.0	23.9	18.5	21.1
21	27.3	19.4	22.9	28.4	22.6	25.2	26.8	21.7	24.1	23.7	20.6	22.0
22	27.2	20.4	23.5	27.8	23.3	25.1	24.0	21.0	22.5	22.2	19.7	20.9
23	27.1	21.4	23.9	28.8	23.2	25.4	25.0	18.8	21.8	21.7	18.5	20.1
24	28.3	20.9	24.3	28.5	22.8	25.1	26.8	20.8	23.6	22.2	17.2	19.5
25	27.3	21.2	24.1	27.4	21.6	24.2	26.9	21.2	24.0	23.6	18.0	20.5
26	28.1	21.2	24.2	28.6	21.3	24.5	25.7	21.9	23.6	22.7	18.7	20.7
27	25.8	21.3	23.2	28.6	22.1	25.1	24.3	20.0	22.0	22.5	18.6	20.6
28	25.1	19.5	22.1	26.9	22.9	24.9	24.3	19.3	21.7	22.4	19.3	20.7
29	26.6	19.2	22.6	27.9	22.0	24.8	24.7	19.0	21.8	21.5	17.0	19.2
30	27.8	19.6	23.4	28.6	21.8	25.0	26.4	20.4	23.2	22.3	17.1	19.5
31	---	---	---	27.3	22.1	24.5	26.3	21.5	23.7	---	---	---
Month	28.3	17.4	22.2	28.8	9.1	24.0	28.7	18.8	23.5	24.8	17.0	20.7

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	22.3	17.4	19.8	---	---	---	---	---	---	---	---	---
2	22.2	17.7	19.8	---	---	---	---	---	---	---	---	---
3	22.0	18.1	20.1	---	---	---	---	---	---	---	---	---
4	22.4	19.0	20.8	---	---	---	---	---	---	---	---	---
5	21.9	20.1	20.9	---	---	---	---	---	---	---	---	---
6	20.8	19.0	19.9	---	---	---	---	---	---	---	---	---
7	20.6	16.3	18.4	---	---	---	---	---	---	---	---	---
8	20.6	17.1	18.7	---	---	---	---	---	---	---	---	---
9	19.0	17.1	17.8	---	---	---	---	---	---	---	---	---
10	17.1	15.9	16.7	---	---	---	---	---	---	---	---	---
11	16.9	16.0	16.4	---	---	---	---	---	---	---	---	---
12	17.5	14.8	16.4	---	---	---	---	---	---	---	---	---
13	17.2	14.8	16.0	---	---	---	---	---	---	---	---	---
14	18.8	15.6	17.0	---	---	---	---	---	---	---	---	---
15	18.4	17.1	17.8	---	---	---	---	---	---	---	---	---
16	19.6	16.2	17.8	---	---	---	---	---	---	---	---	---
17	19.9	16.9	18.4	---	---	---	---	---	---	---	---	---
18	20.8	16.8	18.7	---	---	---	---	---	---	---	---	---
19	20.0	17.1	18.6	---	---	---	---	---	---	---	---	---
20	19.0	17.8	18.3	---	---	---	---	---	---	---	---	---
21	18.7	17.2	18.0	---	---	---	---	---	---	---	---	---
22	17.5	15.9	16.8	---	---	---	---	---	---	---	---	---
23	17.7	14.7	16.0	---	---	---	---	---	---	---	---	---
24	18.4	15.1	16.5	---	---	---	---	---	---	---	---	---
25	19.1	16.1	17.3	---	---	---	---	---	---	---	---	---
26	17.8	14.2	15.6	---	---	---	---	---	---	---	---	---
27	16.8	13.7	15.0	---	---	---	---	---	---	---	---	---
28	19.0	14.2	16.2	---	---	---	---	---	---	---	---	---
29	19.9	15.1	17.2	---	---	---	---	---	---	---	---	---
30	---	17.4	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	8.7	7.9	8.3
2	---	---	---	---	---	---	---	---	---	9.4	8.4	8.8
3	---	---	---	---	---	---	---	---	---	9.2	7.8	8.6
4	---	---	---	---	---	---	---	---	---	8.8	7.7	8.2
5	---	---	---	---	---	---	---	---	---	8.8	7.3	8.1
6	---	---	---	---	---	---	---	---	---	8.5	7.4	7.9
7	---	---	---	---	---	---	---	---	---	8.5	7.7	8.0
8	---	---	---	---	---	---	---	---	---	8.5	7.8	8.0
9	---	---	---	---	---	---	---	---	---	8.6	7.7	8.2
10	---	---	---	---	---	---	---	---	---	8.7	8.0	8.3
11	---	---	---	---	---	---	---	---	---	8.8	7.3	8.1
12	---	---	---	---	---	---	---	---	---	8.3	7.5	7.9
13	---	---	---	---	---	---	---	---	---	8.5	7.7	8.1
14	---	---	---	---	---	---	---	---	---	8.6	7.7	8.2
15	---	---	---	---	---	---	---	---	---	8.5	7.6	8.0
16	---	---	---	---	---	---	---	---	---	8.3	7.3	7.8
17	---	---	---	---	---	---	---	7.9	---	8.4	7.2	7.8
18	---	---	---	---	---	---	9.1	7.5	8.3	8.4	7.0	7.7
19	---	---	---	---	---	---	8.8	7.4	8.1	8.2	7.3	7.7
20	---	---	---	---	---	---	8.5	7.6	8.0	8.3	7.1	7.7
21	---	---	---	---	---	---	9.1	8.0	8.5	8.3	7.4	7.8
22	---	---	---	---	---	---	9.0	7.7	8.4	8.4	7.7	8.1
23	---	---	---	---	---	---	8.9	7.4	8.2	8.5	7.8	8.2
24	---	---	---	---	---	---	8.7	7.8	8.3	8.5	7.5	8.0
25	---	---	---	---	---	---	8.8	8.0	8.4	8.3	7.3	7.8
26	---	---	---	---	---	---	8.9	8.2	8.5	8.4	7.7	8.1
27	---	---	---	---	---	---	9.1	7.7	8.5	8.8	8.2	8.5
28	---	---	---	---	---	---	8.9	7.6	8.3	8.6	7.8	8.2
29	---	---	---	---	---	---	8.7	7.3	8.0	8.3	7.3	7.8
30	---	---	---	---	---	---	8.4	7.5	7.9	8.4	7.2	7.9
31	---	---	---	---	---	---	---	---	---	8.4	7.4	7.9
Month	---	---	---	---	---	---	---	---	---	9.4	7.0	8.1

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	8.3	7.2	7.8	7.1	6.3	6.7	7.3	6.5	7.0	7.3	7.0	7.2
2	8.1	7.2	7.6	7.1	6.6	6.9	7.0	6.6	6.8	7.8	7.2	7.5
3	8.1	7.2	7.5	7.2	6.5	6.9	7.1	6.6	6.8	8.0	7.6	7.8
4	7.9	7.1	7.5	7.1	6.2	6.7	7.1	6.7	6.9	7.9	7.6	7.7
5	7.9	7.4	7.7	6.9	6.3	6.6	7.0	6.5	6.8	7.8	7.6	7.7
6	8.1	7.1	7.7	7.0	6.2	6.6	7.1	6.7	6.9	7.9	7.6	7.8
7	8.0	7.3	7.7	7.0	6.2	6.6	7.1	6.6	6.9	8.0	7.7	7.9
8	8.1	7.4	7.7	7.4	6.4	6.9	7.0	6.6	6.8	8.1	7.8	8.0
9	8.1	7.3	7.7	7.5	6.6	7.1	7.0	6.5	6.8	8.1	7.5	7.8
10	8.1	6.8	7.5	7.4	6.5	7.0	7.0	6.6	6.8	7.6	7.4	7.5
11	7.9	7.1	7.5	7.4	6.7	7.0	7.1	6.8	6.9	---	7.4	---
12	8.1	7.4	7.7	7.8	7.0	7.4	7.2	6.6	6.9	8.3	7.8	8.0
13	8.0	7.1	7.6	7.8	6.8	7.3	7.2	6.7	7.0	8.2	7.8	8.0
14	7.9	6.9	7.4	7.6	6.6	7.1	7.3	6.9	7.2	8.7	7.9	8.3
15	7.8	7.0	7.3	7.5	6.6	7.0	7.6	7.2	7.4	8.8	7.7	8.3
16	7.7	7.1	7.3	7.4	6.7	7.1	7.6	7.1	7.4	8.6	7.6	8.1
17	7.7	6.7	7.2	7.3	6.7	7.0	7.5	7.0	7.3	8.6	7.5	8.1
18	7.5	6.8	7.2	8.8	6.8	7.4	7.3	6.8	7.1	8.4	7.5	8.0
19	7.5	6.6	7.0	7.2	6.6	6.9	7.3	6.8	7.0	8.4	7.7	8.0
20	7.5	6.6	7.0	7.2	6.5	6.9	7.2	6.8	6.9	8.7	7.6	8.2
21	7.6	6.5	7.1	7.0	6.4	6.8	7.6	7.0	7.3	8.4	7.7	8.1
22	7.4	6.5	6.9	7.0	6.4	6.7	7.8	7.2	7.6	8.5	7.9	8.2
23	7.3	6.4	6.8	6.9	6.3	6.7	8.2	7.5	7.8	8.8	8.1	8.4
24	7.2	6.3	6.8	7.0	6.4	6.7	7.8	7.2	7.6	9.1	8.0	8.6
25	7.2	6.3	6.7	7.2	6.5	6.8	7.6	7.1	7.4	8.9	7.9	8.4
26	7.2	6.2	6.7	7.1	6.3	6.8	7.4	7.1	7.2	8.9	8.0	8.4
27	7.1	6.5	6.8	7.0	6.3	6.7	7.6	7.2	7.4	8.9	8.0	8.5
28	7.5	6.7	7.0	6.9	6.4	6.7	7.8	7.3	7.5	8.8	8.2	8.4
29	7.5	6.5	7.0	7.0	6.6	6.8	7.8	7.3	7.6	9.3	8.4	8.8
30	7.4	6.3	6.9	7.3	6.5	6.9	7.6	7.1	7.4	9.2	8.2	8.8
31	---	---	---	7.4	6.7	7.0	7.4	7.0	7.2	---	---	---
Month	8.3	6.2	7.3	8.8	6.2	6.9	8.2	6.5	7.1	---	7.0	---

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	9.2	8.2	8.7	---	---	---	---	---	---	---	---	---
2	9.1	8.2	8.6	---	---	---	---	---	---	---	---	---
3	9.1	8.1	8.6	---	---	---	---	---	---	---	---	---
4	8.9	8.2	8.5	---	---	---	---	---	---	---	---	---
5	8.8	8.3	8.5	---	---	---	---	---	---	---	---	---
6	9.0	8.4	8.7	---	---	---	---	---	---	---	---	---
7	9.6	8.5	9.1	---	---	---	---	---	---	---	---	---
8	9.4	8.7	9.0	---	---	---	---	---	---	---	---	---
9	9.4	8.9	9.2	---	---	---	---	---	---	---	---	---
10	9.6	9.2	9.3	---	---	---	---	---	---	---	---	---
11	9.6	9.2	9.4	---	---	---	---	---	---	---	---	---
12	9.7	9.1	9.3	---	---	---	---	---	---	---	---	---
13	9.8	9.1	9.5	---	---	---	---	---	---	---	---	---
14	9.5	8.8	9.2	---	---	---	---	---	---	---	---	---
15	9.4	8.9	9.1	---	---	---	---	---	---	---	---	---
16	9.3	8.5	8.9	---	---	---	---	---	---	---	---	---
17	9.2	8.4	8.8	---	---	---	---	---	---	---	---	---
18	9.0	8.2	8.6	---	---	---	---	---	---	---	---	---
19	8.9	8.2	8.6	---	---	---	---	---	---	---	---	---
20	8.9	8.4	8.7	---	---	---	---	---	---	---	---	---
21	8.7	8.4	8.5	---	---	---	---	---	---	---	---	---
22	9.1	8.6	8.8	---	---	---	---	---	---	---	---	---
23	9.2	8.4	8.9	---	---	---	---	---	---	---	---	---
24	8.9	8.2	8.7	---	---	---	---	---	---	---	---	---
25	8.7	8.0	8.4	---	---	---	---	---	---	---	---	---
26	9.0	8.2	8.8	---	---	---	---	---	---	---	---	---
27	9.2	8.5	8.9	---	---	---	---	---	---	---	---	---
28	9.0	8.0	8.6	---	---	---	---	---	---	---	---	---
29	8.7	7.8	8.3	---	---	---	---	---	---	---	---	---
30	---	8.0	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	280	9.0	79
2	---	---	---	---	---	---	---	---	---	34	8.1	19
3	---	---	---	---	---	---	---	---	---	25	7.3	13
4	---	---	---	---	---	---	---	---	---	35	7.1	17
5	---	---	---	---	---	---	---	---	---	33	8.2	16
6	---	---	---	---	---	---	---	---	---	17	7.0	11
7	---	---	---	---	---	---	---	---	---	40	7.0	13
8	---	---	---	---	---	---	---	---	---	59	7.6	20
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	25	9.1	14
14	---	---	---	---	---	---	---	---	---	25	8.6	13
15	---	---	---	---	---	---	---	---	---	22	8.1	13
16	---	---	---	---	---	---	---	---	---	20	8.0	13
17	---	---	---	---	---	---	---	3.9	---	20	8.6	12
18	---	---	---	---	---	---	15	3.2	8.1	19	8.5	12
19	---	---	---	---	---	---	13	3.7	7.2	16	8.6	12
20	---	---	---	---	---	---	14	3.5	7.2	29	8.4	13
21	---	---	---	---	---	---	12	4.0	6.9	17	7.5	12
22	---	---	---	---	---	---	11	3.8	6.5	240	7.8	53
23	---	---	---	---	---	---	51	3.3	9.4	160	9.2	32
24	---	---	---	---	---	---	85	4.0	15	380	12	82
25	---	---	---	---	---	---	14	3.4	8.4	18	9.6	13
26	---	---	---	---	---	---	15	4.1	7.7	22	8.5	12
27	---	---	---	---	---	---	11	3.8	6.9	59	8.2	18
28	---	---	---	---	---	---	11	3.7	7.0	15	8.6	11
29	---	---	---	---	---	---	13	4.4	8.1	16	8.4	11
30	---	---	---	---	---	---	14	4.7	8.5	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	16	4.9	9.3	27	7.2	14
2	---	---	---	---	---	---	19	5.2	9.3	48	7.5	14
3	---	---	---	---	---	---	23	5.6	9.6	110	6.4	21
4	18	8.8	12	---	---	---	15	5.3	9.0	110	7.5	21
5	18	9.3	13	---	---	---	1,030	6.4	120	22	6.7	13
6	16	7.8	11	---	---	---	1,230	11	110	22	7.2	13
7	15	7.5	10	---	---	---	42	7.0	13	28	10	18
8	13	7.4	9.7	---	---	---	36	6.2	12	36	8.9	16
9	14	6.7	9.3	19	6.1	11	32	6.6	13	22	6.7	13
10	16	6.4	9.6	26	5.3	10	45	7.0	20	32	6.5	13
11	15	6.2	8.5	15	6.1	9.5	18	5.8	12	---	---	---
12	12	5.9	7.9	15	5.0	8.8	---	---	---	---	---	---
13	11	5.5	7.4	22	5.2	8.4	---	---	---	---	---	---
14	---	---	---	18	4.9	9.7	---	---	---	---	---	---
15	---	---	---	27	4.6	9.4	---	---	---	---	---	---
16	---	---	---	30	4.1	7.9	---	---	---	---	---	---
17	---	---	---	15	4.3	6.5	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	21	4.5	11
20	76	5.5	21	---	---	---	---	---	---	20	4.8	10
21	21	6.0	11	---	---	---	21	6.5	13	17	4.5	10
22	11	5.4	8.1	---	---	---	22	7.2	13	15	4.8	9.4
23	12	5.1	8.2	---	---	---	21	6.4	13	17	4.9	9.8
24	200	5.1	12	---	---	---	21	7.0	12	16	4.7	9.1
25	97	5.8	24	---	---	---	20	6.8	12	14	3.5	8.4
26	---	---	---	---	---	---	19	6.7	12	14	4.0	8.5
27	---	---	---	---	---	---	20	6.4	12	14	3.7	7.9
28	---	---	---	---	---	---	28	8.2	13	15	4.0	7.4
29	---	---	---	---	---	---	39	8.4	14	13	3.4	7.4
30	---	---	---	17	5.1	9.8	21	7.6	14	---	---	---
31	---	---	---	17	5.3	9.7	22	6.9	15	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

06402140 FALL RIVER ABOVE FALLS NR HOT SPRINGS, SD—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	26	2.3	8.4	---	---	---	---	---	---	---	---	---
12	130	5.8	30	---	---	---	---	---	---	---	---	---
13	16	4.3	8.8	---	---	---	---	---	---	---	---	---
14	14	2.7	7.2	---	---	---	---	---	---	---	---	---
15	13	3.0	6.9	---	---	---	---	---	---	---	---	---
16	14	3.1	7.9	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---