



Water-Data Report 2010

**442725110063501 MIDDLE CREEK BELOW MAMMOTH CRYSTAL SPRINGS, YELLOWSTONE NATIONAL PARK, WY (SP5)**

Big Horn Basin  
North Fork Shoshone Subbasin

LOCATION.--Lat 44°27'25", long 110°06'35" referenced to North American Datum of 1983, in SE ¼ SW ¼ sec.21, T.52 N., R.110 W., Park County, WY, Hydrologic Unit 10080012.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--August 2006 to September 2010 (discontinued) (seasonal).

GAGE.--Water stage recorder. Elevation of gage is 7,925 ft above NGVD of 1929. U.S. Geological Survey data collection platform with satellite telemetry at station.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage-height, 7.95 ft, July 2, 2008; minimum recorded gage-height, 5.57 ft, August 3, 2007.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage-height, 7.46 ft, June 8; minimum recorded gage-height, 5.86 ft, September 28, 30.

## 442725110063501 MIDDLE CREEK BELOW MAMMOTH CRYSTAL SPRINGS, YELLOWSTONE NATIONAL PARK, WY (SP5)—Continued

**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.20	---	---	---	---	---	---	---	---	---	6.13	5.99
2	6.20	---	---	---	---	---	---	---	---	6.97	6.11	5.96
3	6.20	---	---	---	---	---	---	---	---	6.86	6.10	5.94
4	6.20	---	---	---	---	---	---	---	---	6.77	6.09	5.92
5	6.21	---	---	---	---	---	---	---	---	6.75	6.08	5.91
6	6.20	---	---	---	---	---	---	---	---	6.74	---	5.89
7	6.20	---	---	---	---	---	---	---	---	6.69	6.06	5.89
8	6.20	---	---	---	---	---	---	---	---	6.67	---	5.88
9	6.20	---	---	---	---	---	---	---	7.20	6.67	6.07	5.90
10	6.20	---	---	---	---	---	---	---	7.14	6.65	---	5.92
11	6.20	---	---	---	---	---	---	---	7.00	6.62	6.03	5.96
12	6.20	---	---	---	---	---	---	---	6.83	6.63	6.02	5.97
13	6.20	---	---	---	---	---	---	---	6.74	6.58	6.01	5.96
14	6.20	---	---	---	---	---	---	---	6.78	6.52	6.01	5.95
15	6.20	---	---	---	---	---	---	---	6.85	6.50	6.00	5.93
16	---	---	---	---	---	---	---	---	7.09	6.48	5.99	5.92
17	---	---	---	---	---	---	---	---	7.09	6.46	5.99	5.91
18	---	---	---	---	---	---	---	---	6.88	6.43	5.97	5.89
19	---	---	---	---	---	---	---	---	6.86	6.40	5.97	5.89
20	---	---	---	---	---	---	---	---	6.91	6.37	5.96	5.89
21	---	---	---	---	---	---	---	---	6.97	6.33	5.96	5.89
22	---	---	---	---	---	---	---	---	6.95	6.31	5.97	5.89
23	---	---	---	---	---	---	---	---	6.93	6.28	5.97	---
24	---	---	---	---	---	---	---	---	6.92	---	5.95	5.90
25	---	---	---	---	---	---	---	---	6.96	6.23	5.93	5.89
26	---	---	---	---	---	---	---	---	6.97	---	5.92	5.89
27	---	---	---	---	---	---	---	---	6.94	---	5.92	5.88
28	---	---	---	---	---	---	---	---	6.88	6.18	5.91	5.88
29	---	---	---	---	---	---	---	---	---	6.17	5.92	5.88
30	---	---	---	---	---	---	---	---	---	6.15	5.91	5.88
31	---	---	---	---	---	---	---	---	---	6.14	5.92	---
<b>Mean</b>	---	---	---	---	---	---	---	---	---	---	---	---
<b>Max</b>	---	---	---	---	---	---	---	---	---	---	---	---
<b>Min</b>	---	---	---	---	---	---	---	---	---	---	---	---

**442725110063501 MIDDLE CREEK BELOW MAMMOTH CRYSTAL SPRINGS, YELLOWSTONE NATIONAL PARK, WY (SP5)—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 2006 to September 2010 (discontinued) (seasonal).

TURBIDITY: July 2006 to September 2010 (discontinued) (seasonal).

WATER TEMPERATURE: July 2006 to September 2010 (discontinued) (seasonal).

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

REMARKS.--Specific conductance records are rated excellent except those for July 5, 6, which are good; those for June 21-29, July 7, 8, and July 20 to Aug. 25, which are fair; and those for June 14-20, July 9-19, and August 26 to September 23, which are poor. Turbidity records are rated excellent except those for June 9-13, July 2, 3, July 27 to August 2, which are good, June 14-18, July 4, and August 3-9, which are fair, and those for July 5-8, August 10 to September 30, which are poor. Water temperature records are rated excellent except those for June 18 to September 23, which are good. 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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 330 microsiemens per centimeter at 25°C ( $\mu\text{S}/\text{cm}$ ), October 14, 2008; minimum recorded, 40  $\mu\text{S}/\text{cm}$ , June 16, 2009.

TURBIDITY: Maximum recorded, 330 formazin nephelometric units (FNU), August 8, 2008 and August 9, 2010; minimum recorded, 0.0 FNU, August 21, 2006.

WATER TEMPERATURE: Maximum recorded, 10.7°C, July 6, 2007; minimum recorded, 1.3°C, October 19, 2007 and June 11, 2008.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 154  $\mu\text{S}/\text{cm}$ , October 10; minimum recorded, 48  $\mu\text{S}/\text{cm}$ , June 25.

TURBIDITY: Maximum recorded, 330 FNU, August 9; minimum recorded, 0.7 FNU, June 23.

WATER TEMPERATURE: Maximum recorded, 8.9°C, July 16, 18; minimum recorded, 1.6°C, June 17.

442725110063501 MIDDLE CREEK BELOW MAMMOTH CRYSTAL SPRINGS, YELLOWSTONE NATIONAL PARK, WY (SP5)—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
	October			November			December			January		
1	142	139	140	---	---	---	---	---	---	---	---	---
2	142	132	139	---	---	---	---	---	---	---	---	---
3	148	133	141	---	---	---	---	---	---	---	---	---
4	142	139	141	---	---	---	---	---	---	---	---	---
5	146	137	140	---	---	---	---	---	---	---	---	---
6	153	131	141	---	---	---	---	---	---	---	---	---
7	141	138	140	---	---	---	---	---	---	---	---	---
8	144	138	140	---	---	---	---	---	---	---	---	---
9	152	136	141	---	---	---	---	---	---	---	---	---
10	154	128	143	---	---	---	---	---	---	---	---	---
11	141	139	140	---	---	---	---	---	---	---	---	---
12	140	138	139	---	---	---	---	---	---	---	---	---
13	140	136	138	---	---	---	---	---	---	---	---	---
14	138	131	135	---	---	---	---	---	---	---	---	---
15	135	131	133	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

442725110063501 MIDDLE CREEK BELOW MAMMOTH CRYSTAL SPRINGS, YELLOWSTONE NATIONAL PARK, WY (SP5)—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
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

## 442725110063501 MIDDLE CREEK BELOW MAMMOTH CRYSTAL SPRINGS, YELLOWSTONE NATIONAL PARK, WY (SP5)—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	---	---	---	---	---	---	128	125	126	145	102	126
2	---	---	---	66	53	60	130	126	128	145	118	138
3	---	---	---	66	58	63	130	128	129	147	143	146
4	---	---	---	67	---	---	131	128	129	149	146	147
5	---	---	---	---	---	---	132	129	129	149	147	148
6	---	---	---	69	64	67	131	127	129	150	147	149
7	---	---	---	70	63	67	130	129	130	149	148	149
8	---	---	---	70	63	67	131	123	129	148	147	148
9	70	62	66	75	63	70	131	98	124	149	127	141
10	---	---	---	75	64	72	132	127	130	139	130	134
11	---	---	---	78	71	75	---	---	---	137	109	127
12	---	---	---	81	67	75	---	---	---	133	122	128
13	---	---	---	84	75	79	---	---	---	132	128	130
14	---	---	---	88	81	85	---	---	---	132	125	130
15	58	50	54	90	82	87	---	---	---	132	126	130
16	56	50	52	94	83	89	---	---	---	133	131	132
17	62	55	59	96	85	92	---	---	---	134	132	133
18	62	56	58	99	89	95	---	---	---	135	132	133
19	68	57	62	102	94	99	---	---	---	135	133	134
20	63	54	60	106	100	103	137	135	136	---	---	---
21	62	53	58	110	105	108	137	136	137	---	---	---
22	61	56	59	114	108	112	139	95	134	---	---	---
23	63	54	59	118	113	116	138	103	130	---	---	---
24	60	52	56	121	117	119	144	138	142	133	130	132
25	58	48	53	123	119	122	146	143	144	132	129	131
26	56	50	53	125	121	124	147	145	146	132	130	131
27	59	49	54	125	119	123	148	143	145	132	130	131
28	60	51	56	127	119	124	149	139	147	133	131	132
29	61	---	---	125	119	123	149	133	144	132	130	131
30	---	---	---	126	123	125	150	145	148	133	131	132
31	---	---	---	127	124	126	148	129	141	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

442725110063501 MIDDLE CREEK BELOW MAMMOTH CRYSTAL SPRINGS, YELLOWSTONE NATIONAL PARK, WY (SP5)—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	3.5	3.1	3.3	---	---	---	---	---	---	---	---	---
2	3.5	3.2	3.3	---	---	---	---	---	---	---	---	---
3	3.6	3.2	3.3	---	---	---	---	---	---	---	---	---
4	3.4	3.0	3.3	---	---	---	---	---	---	---	---	---
5	3.4	3.0	3.1	---	---	---	---	---	---	---	---	---
6	4.2	3.2	3.3	---	---	---	---	---	---	---	---	---
7	4.5	3.3	3.5	---	---	---	---	---	---	---	---	---
8	3.6	3.1	3.3	---	---	---	---	---	---	---	---	---
9	3.6	3.2	3.3	---	---	---	---	---	---	---	---	---
10	3.6	3.0	3.2	---	---	---	---	---	---	---	---	---
11	3.3	3.1	3.2	---	---	---	---	---	---	---	---	---
12	4.1	3.1	3.2	---	---	---	---	---	---	---	---	---
13	3.4	3.0	3.2	---	---	---	---	---	---	---	---	---
14	3.6	3.2	3.3	---	---	---	---	---	---	---	---	---
15	4.0	3.1	3.3	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

442725110063501 MIDDLE CREEK BELOW MAMMOTH CRYSTAL SPRINGS, YELLOWSTONE NATIONAL PARK, WY (SP5)—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
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23	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

## 442725110063501 MIDDLE CREEK BELOW MAMMOTH CRYSTAL SPRINGS, YELLOWSTONE NATIONAL PARK, WY (SP5)—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS  
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	---	---	---	33	---	---	3.5	1.3	1.6	6.5	1.7	2.8
2	---	---	---	11	2.4	5.7	1.8	1.3	1.5	2.7	1.8	2.0
3	---	---	---	5.7	2.0	3.4	2.0	1.4	1.5	2.4	1.7	2.0
4	---	---	---	---	---	---	1.7	1.4	1.5	2.7	1.8	2.1
5	---	---	---	---	---	---	2.2	1.4	1.5	2.8	1.8	2.2
6	---	---	---	3.3	2.3	2.6	1.6	1.3	1.4	2.5	1.8	2.1
7	---	---	---	3.4	2.4	2.7	2.6	1.4	1.5	2.5	1.8	2.1
8	---	---	---	4.8	2.6	3.3	2.8	1.4	1.5	2.2	1.5	1.7
9	14	2.8	4.8	4.8	2.8	3.4	330	1.4	27	2.7	1.5	1.9
10	11	2.4	3.9	6.0	2.5	3.1	5.1	2.6	3.1	2.1	1.5	1.8
11	5.1	2.2	3.1	3.0	2.2	2.5	4.3	2.4	2.7	4.6	1.5	2.5
12	5.6	1.8	2.6	4.5	2.0	2.7	3.8	2.5	3.3	2.5	1.9	2.1
13	2.6	1.6	1.9	5.2	1.7	2.4	6.2	3.1	3.7	2.2	1.5	1.9
14	8.3	1.6	3.9	2.8	1.9	2.2	4.1	3.1	3.7	2.4	1.5	1.8
15	12	2.6	5.6	2.8	1.8	2.2	4.4	2.7	3.4	2.2	1.8	2.0
16	29	4.4	12	3.7	1.8	2.6	3.9	2.4	3.1	2.3	1.8	1.9
17	11	3.3	5.3	3.6	2.5	2.9	3.3	2.6	2.9	2.3	1.8	1.9
18	6.5	3.1	4.0	3.8	2.0	2.9	3.4	2.6	3.0	2.3	1.7	1.8
19	8.9	2.8	4.7	2.5	1.6	1.9	4.4	2.4	3.0	1.9	1.5	1.8
20	9.6	2.8	4.8	2.4	1.5	1.9	3.3	3.0	3.1	2.1	1.6	1.8
21	13	2.9	5.7	2.4	1.8	1.9	3.4	3.0	3.1	2.4	1.5	1.7
22	3.8	1.0	1.8	2.2	1.6	1.9	16	3.0	3.8	2.1	1.4	1.7
23	5.8	0.7	2.3	2.9	2.0	2.3	8.3	2.7	3.4	1.8	1.6	1.7
24	6.8	1.2	3.1	3.1	2.3	2.4	3.1	2.6	2.7	1.7	1.5	1.6
25	18	1.5	5.6	2.7	2.3	2.5	3.3	2.7	2.9	1.7	1.4	1.5
26	13	2.6	5.9	3.8	2.3	3.0	3.1	2.6	2.7	3.2	1.5	1.8
27	16	2.1	6.6	3.6	2.9	3.1	2.9	2.5	2.7	1.8	1.5	1.6
28	11	2.3	5.3	3.7	2.8	3.2	3.0	2.1	2.5	1.7	1.5	1.6
29	---	2.0	---	3.5	2.9	3.2	3.2	1.9	2.3	2.2	1.6	1.8
30	---	---	---	3.6	2.1	2.8	2.5	1.9	2.2	1.9	1.6	1.6
31	---	---	---	4.7	2.1	3.2	2.3	1.8	2.1	---	---	---
Month	---	---	---	---	---	---	330	1.3	3.4	6.5	1.4	1.9

442725110063501 MIDDLE CREEK BELOW MAMMOTH CRYSTAL SPRINGS, YELLOWSTONE NATIONAL PARK, WY (SP5)—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
	October			November			December			January		
1	3.2	2.8	3.0	---	---	---	---	---	---	---	---	---
2	4.1	2.6	3.1	---	---	---	---	---	---	---	---	---
3	3.9	2.4	3.0	---	---	---	---	---	---	---	---	---
4	3.1	2.4	2.8	---	---	---	---	---	---	---	---	---
5	3.3	2.3	2.7	---	---	---	---	---	---	---	---	---
6	3.1	2.3	2.6	---	---	---	---	---	---	---	---	---
7	3.2	2.4	2.8	---	---	---	---	---	---	---	---	---
8	3.0	1.9	2.5	---	---	---	---	---	---	---	---	---
9	2.4	1.9	2.2	---	---	---	---	---	---	---	---	---
10	2.4	1.9	2.1	---	---	---	---	---	---	---	---	---
11	2.3	1.8	2.0	---	---	---	---	---	---	---	---	---
12	2.7	2.0	2.4	---	---	---	---	---	---	---	---	---
13	3.2	2.4	2.8	---	---	---	---	---	---	---	---	---
14	2.9	2.7	2.8	---	---	---	---	---	---	---	---	---
15	3.5	2.9	3.1	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

442725110063501 MIDDLE CREEK BELOW MAMMOTH CRYSTAL SPRINGS, YELLOWSTONE NATIONAL PARK, WY (SP5)—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
	February			March			April			May		
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	---	---	---	---	---	---	---	---	---	---	---	---

## 442725110063501 MIDDLE CREEK BELOW MAMMOTH CRYSTAL SPRINGS, YELLOWSTONE NATIONAL PARK, WY (SP5)—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	---	---	---	6.5	---	---	8.4	5.1	6.3	4.8	4.0	4.4
2	---	---	---	6.2	3.0	4.2	8.3	4.8	6.1	6.9	3.7	4.9
3	---	---	---	5.5	3.0	3.9	8.5	5.1	6.3	7.3	3.7	5.1
4	---	---	---	5.4	---	---	8.5	5.0	6.3	7.4	4.3	5.6
5	---	---	---	---	---	---	8.7	5.2	6.6	6.4	4.3	5.3
6	---	---	---	5.3	3.1	3.9	7.8	5.3	6.2	6.1	3.6	4.5
7	---	---	---	6.0	2.7	4.0	7.2	5.0	5.9	6.7	3.3	4.7
8	---	---	---	7.3	3.0	4.6	8.2	4.8	6.0	6.8	4.2	5.2
9	3.2	2.0	2.3	8.0	3.3	5.0	8.3	5.3	6.3	5.5	3.8	4.6
10	3.4	1.9	2.2	7.9	3.7	5.0	8.5	4.9	6.3	4.4	2.5	3.6
11	3.5	2.0	2.5	6.9	3.7	5.0	8.5	5.1	6.3	6.5	3.4	4.4
12	2.7	2.0	2.3	8.5	4.1	5.6	7.4	4.8	5.8	6.7	3.3	4.6
13	3.6	2.1	2.5	8.0	3.8	5.2	7.4	5.1	5.8	6.5	3.6	4.8
14	4.2	2.1	2.7	7.8	3.4	5.0	7.7	4.4	5.7	6.2	4.1	5.1
15	3.8	2.0	2.6	8.4	3.6	5.3	8.3	4.7	6.0	6.8	3.9	5.0
16	3.4	1.8	2.3	8.9	3.9	5.8	7.7	4.7	5.9	6.5	3.8	4.9
17	2.3	1.6	1.9	8.8	4.8	6.2	8.6	4.9	6.3	6.6	4.3	5.3
18	4.2	1.8	2.6	8.9	4.5	6.1	8.6	4.8	6.2	6.9	4.2	5.3
19	4.5	2.0	2.8	8.8	4.8	6.1	8.2	5.1	6.1	6.9	4.0	5.2
20	4.0	2.0	2.7	8.5	4.4	5.9	8.5	4.9	6.2	6.4	4.2	5.0
21	4.6	2.0	2.8	5.9	4.4	5.2	8.5	5.1	6.4	6.0	3.4	4.5
22	4.0	1.9	2.6	7.8	4.5	5.7	8.4	5.5	6.6	6.1	3.7	4.7
23	4.8	2.0	2.9	8.1	4.4	5.7	6.8	4.8	5.7	5.5	4.0	---
24	4.8	2.1	3.0	8.4	4.2	5.8	7.9	4.2	5.6	5.8	3.5	4.4
25	4.6	2.3	3.1	8.6	4.5	6.0	8.1	4.5	5.9	6.3	3.6	4.7
26	4.5	2.4	3.1	8.0	4.6	6.0	8.5	4.7	6.1	6.4	4.0	5.0
27	5.5	2.3	3.4	8.6	5.2	6.4	8.7	5.6	6.6	6.3	3.8	4.9
28	5.8	2.4	3.6	8.4	5.1	6.4	7.2	5.1	6.0	6.3	4.1	5.0
29	5.9	2.6	3.8	8.8	5.2	6.5	7.2	5.0	5.9	5.9	3.7	4.6
30	---	---	---	8.7	4.9	6.4	5.7	4.4	5.1	5.7	3.4	4.4
31	---	---	---	8.0	5.3	6.4	5.4	4.0	4.6	---	---	---
Month	---	---	---	---	---	---	8.7	4.0	6.0	7.4	2.5	---