



Water-Data Report 2010

442726110064101 MAMMOTH CRYSTAL SPRINGS OUTFLOW NEAR SYLVAN PASS, YELLOWSTONE NATIONAL PARK, WY (SP3)

Big Horn Basin
North Fork Shoshone Subbasin

LOCATION.--Lat 44°27'26", long 110°06'41" referenced to North American Datum of 1983, in NW ¼ SE ¼ SW ¼ sec.21, T.52 N., R.110 W., Park County, WY, Hydrologic Unit 10080012.

SURFACE-WATER RECORDS

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

GAGE.--Water stage recorder. Elevation of gage is 7,935 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, 28.55 ft, June 8, 2010; minimum recorded gage-height, 26.88ft, October 3, 2006.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage-height, 28.55 ft, June 8; minimum recorded gage-height, 27.16 ft, October 16.

442726110064101 MAMMOTH CRYSTAL SPRINGS OUTFLOW NEAR SYLVAN PASS, YELLOWSTONE NATIONAL PARK, WY (SP3)—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	27.48	---	---	---	---	---	---	---	---	28.24	27.84	27.62
2	27.47	---	---	---	---	---	---	---	---	28.23	27.82	27.64
3	27.47	---	---	---	---	---	---	---	---	28.20	27.82	27.64
4	27.46	---	---	---	---	---	---	---	---	28.17	27.81	27.63
5	27.45	---	---	---	---	---	---	---	---	28.13	27.80	27.62
6	27.43	---	---	---	---	---	---	---	---	---	27.79	27.62
7	27.42	---	---	---	---	---	---	---	---	---	27.78	27.61
8	27.41	---	---	---	---	---	---	---	---	---	27.77	27.61
9	27.39	---	---	---	---	---	---	---	28.46	28.09	27.76	27.60
10	27.37	---	---	---	---	---	---	---	28.36	28.09	27.76	27.60
11	27.35	---	---	---	---	---	---	---	28.33	28.10	27.75	27.60
12	27.31	---	---	---	---	---	---	---	28.26	28.09	27.73	27.63
13	27.27	---	---	---	---	---	---	---	28.19	28.08	27.73	27.63
14	27.25	---	---	---	---	---	---	---	28.14	28.07	27.72	27.62
15	27.19	---	---	---	---	---	---	---	28.16	28.05	27.71	27.61
16	---	---	---	---	---	---	---	---	28.22	28.04	27.71	27.60
17	---	---	---	---	---	---	---	---	28.31	28.02	27.70	27.59
18	---	---	---	---	---	---	---	---	28.28	28.01	27.69	27.58
19	---	---	---	---	---	---	---	---	28.17	27.99	27.68	27.58
20	---	---	---	---	---	---	---	---	28.13	27.98	27.68	27.57
21	---	---	---	---	---	---	---	---	28.14	27.97	27.67	27.57
22	---	---	---	---	---	---	---	---	28.17	27.95	27.66	27.57
23	---	---	---	---	---	---	---	---	28.18	27.94	27.66	27.56
24	---	---	---	---	---	---	---	---	28.17	27.93	27.67	27.55
25	---	---	---	---	---	---	---	---	28.18	27.91	27.66	27.55
26	---	---	---	---	---	---	---	---	28.22	27.90	27.66	27.54
27	---	---	---	---	---	---	---	---	28.23	27.89	27.65	27.54
28	---	---	---	---	---	---	---	---	28.23	27.88	27.64	27.54
29	---	---	---	---	---	---	---	---	28.23	27.87	27.63	27.54
30	---	---	---	---	---	---	---	---	28.23	27.86	27.63	27.53
31	---	---	---	---	---	---	---	---	---	27.85	27.62	---
Mean	---	---	---	---	---	---	---	---	---	---	27.72	27.59
Max	---	---	---	---	---	---	---	---	---	---	27.84	27.64
Min	---	---	---	---	---	---	---	---	---	---	27.62	27.53

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

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

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

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

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

REMARKS.--Specific conductance records are rated excellent. Turbidity records are rated excellent except those for August 16-19 and September 16-23, which are good, and those for October 1-16, which are fair. Water temperature records are rated excellent except those for August 3-18, 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. 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, 204 microsiemens per centimeter at 25°C ($\mu\text{S}/\text{cm}$), September 25, 2006; minimum recorded, 92 $\mu\text{S}/\text{cm}$, June 30 to July 3, 2010.

TURBIDITY: Maximum recorded, 220 formazin nephelometric units (FNU), July 26, 2007; minimum recorded, 0.1 FNU, June 14, 2008.

WATER TEMPERATURE: Maximum recorded, 13.5°C, October 1, 2006; minimum recorded, 1.2°C, October 2, 2006.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 199 $\mu\text{S}/\text{cm}$, October 1; minimum recorded, 92 $\mu\text{S}/\text{cm}$, June 30 to July 3.

TURBIDITY: Maximum recorded, 26 FNU, September 26; minimum recorded, 1.0 FNU, October 1-4.

WATER TEMPERATURE: Maximum recorded, 8.6°C, August 18; minimum recorded, 1.9°C, October 8.

442726110064101 MAMMOTH CRYSTAL SPRINGS OUTFLOW NEAR SYLVAN PASS, YELLOWSTONE NATIONAL PARK, WY (SP3)—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	199	184	193	---	---	---	---	---	---	---	---	---
2	186	183	185	---	---	---	---	---	---	---	---	---
3	195	183	185	---	---	---	---	---	---	---	---	---
4	198	184	186	---	---	---	---	---	---	---	---	---
5	187	184	185	---	---	---	---	---	---	---	---	---
6	187	184	186	---	---	---	---	---	---	---	---	---
7	187	184	186	---	---	---	---	---	---	---	---	---
8	188	185	187	---	---	---	---	---	---	---	---	---
9	187	184	186	---	---	---	---	---	---	---	---	---
10	190	184	187	---	---	---	---	---	---	---	---	---
11	188	182	186	---	---	---	---	---	---	---	---	---
12	189	184	187	---	---	---	---	---	---	---	---	---
13	187	183	186	---	---	---	---	---	---	---	---	---
14	187	181	185	---	---	---	---	---	---	---	---	---
15	186	182	184	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

442726110064101 MAMMOTH CRYSTAL SPRINGS OUTFLOW NEAR SYLVAN PASS, YELLOWSTONE NATIONAL PARK, WY (SP3)—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	---	---	---	---	---	---	---	---	---	---	---	---
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9	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

442726110064101 MAMMOTH CRYSTAL SPRINGS OUTFLOW NEAR SYLVAN PASS, YELLOWSTONE NATIONAL PARK, WY (SP3)—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	---	---	---	93	92	92	169	168	169	184	179	182
2	---	---	---	93	92	92	170	169	169	183	179	181
3	---	---	---	95	92	94	171	169	170	180	178	179
4	---	---	---	99	95	97	172	170	171	181	179	180
5	---	---	---	103	99	101	172	170	172	182	180	181
6	---	---	---	---	---	---	174	171	172	182	180	182
7	---	---	---	---	---	---	174	172	173	183	181	182
8	---	---	---	---	---	---	174	171	174	183	181	182
9	101	95	98	118	114	116	175	172	174	187	180	183
10	102	101	101	121	118	120	175	173	175	184	181	183
11	103	101	101	124	121	123	178	173	175	184	180	182
12	108	103	106	128	124	126	178	174	176	182	177	179
13	112	108	111	131	128	129	176	175	176	178	176	177
14	113	112	113	134	131	132	178	176	177	179	178	178
15	112	108	111	137	134	135	178	176	178	180	178	179
16	108	101	105	140	137	138	180	177	178	184	178	180
17	101	97	98	143	140	142	180	177	179	180	178	180
18	105	97	100	146	143	145	184	179	180	180	178	180
19	110	105	108	148	146	147	183	179	181	180	178	180
20	110	109	110	151	148	149	181	179	181	180	178	180
21	109	105	107	153	151	152	182	180	181	180	178	179
22	105	102	104	155	153	154	182	177	181	180	178	179
23	103	101	102	158	155	156	183	180	182	180	179	179
24	103	102	103	160	158	159	183	180	182	181	178	180
25	102	99	101	162	160	161	182	180	182	180	178	180
26	99	96	97	163	162	162	183	181	182	180	179	180
27	96	95	96	165	163	164	183	181	182	181	179	180
28	95	94	95	166	165	165	183	181	183	181	179	180
29	94	93	94	167	166	166	184	181	183	181	179	181
30	94	92	93	168	167	167	184	182	183	182	180	181
31	---	---	---	169	167	168	184	182	183	---	---	---
Month	---	---	---	---	---	---	184	168	178	187	176	180

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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	1.3	1.0	1.1	---	---	---	---	---	---	---	---	---
2	1.2	1.0	1.1	---	---	---	---	---	---	---	---	---
3	1.2	1.0	1.1	---	---	---	---	---	---	---	---	---
4	1.3	1.0	1.2	---	---	---	---	---	---	---	---	---
5	1.3	1.1	1.1	---	---	---	---	---	---	---	---	---
6	1.5	1.1	1.2	---	---	---	---	---	---	---	---	---
7	14	1.1	3.0	---	---	---	---	---	---	---	---	---
8	2.1	1.2	1.4	---	---	---	---	---	---	---	---	---
9	1.4	1.2	1.3	---	---	---	---	---	---	---	---	---
10	1.3	1.1	1.2	---	---	---	---	---	---	---	---	---
11	1.4	1.2	1.2	---	---	---	---	---	---	---	---	---
12	1.3	1.1	1.2	---	---	---	---	---	---	---	---	---
13	1.3	1.1	1.2	---	---	---	---	---	---	---	---	---
14	1.3	1.1	1.2	---	---	---	---	---	---	---	---	---
15	1.3	1.1	1.2	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
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27	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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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	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
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26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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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	---	---	---	3.1	2.8	2.9	2.5	2.3	2.4	2.5	2.1	2.2
2	---	---	---	3.1	2.7	2.8	2.8	2.4	2.5	2.7	2.1	2.3
3	---	---	---	3.2	2.7	2.8	2.9	2.4	2.5	2.5	2.3	2.3
4	---	---	---	3.1	2.6	2.7	2.6	2.4	2.5	2.4	2.3	2.3
5	---	---	---	2.8	2.5	2.6	2.6	2.4	2.5	2.6	2.3	2.4
6	---	---	---	---	---	---	2.6	2.5	2.5	2.3	2.1	2.2
7	---	---	---	---	---	---	2.8	2.6	2.6	2.5	2.1	2.2
8	---	---	---	---	---	---	3.0	2.6	2.6	2.5	2.2	2.3
9	6.0	2.9	3.8	2.5	2.1	2.2	3.2	2.6	2.6	3.4	2.2	2.3
10	3.3	2.6	2.7	2.4	2.1	2.2	2.9	2.6	2.7	2.3	2.0	2.2
11	2.7	2.5	2.5	2.6	2.2	2.2	2.9	2.5	2.6	2.4	2.0	2.1
12	3.2	2.4	2.7	2.7	2.1	2.2	2.8	2.6	2.7	2.5	2.1	2.3
13	3.2	2.4	2.5	8.4	2.2	2.6	3.0	2.7	2.7	2.4	2.0	2.1
14	2.6	2.4	2.4	2.5	2.1	2.2	2.9	2.7	2.7	2.3	2.0	2.0
15	2.8	2.4	2.6	2.4	2.2	2.2	2.9	2.6	2.8	2.4	2.0	2.1
16	3.2	2.6	2.7	2.4	2.1	2.2	3.0	2.7	2.8	2.2	1.9	2.0
17	3.3	2.6	2.8	2.3	2.1	2.1	3.0	2.8	2.9	2.1	2.0	2.0
18	2.9	2.5	2.6	2.5	2.1	2.1	2.9	2.8	2.9	2.1	1.8	2.0
19	2.9	2.5	2.6	2.4	2.0	2.1	3.2	2.8	2.9	2.2	2.0	2.1
20	2.7	2.6	2.6	2.2	2.1	2.1	3.0	2.8	2.8	2.2	2.0	2.1
21	2.7	2.6	2.7	2.3	2.1	2.2	2.9	2.6	2.8	2.2	2.0	2.0
22	3.0	2.7	2.8	2.4	2.2	2.2	3.1	2.5	2.6	2.2	2.0	2.1
23	3.1	2.7	2.7	2.5	2.3	2.3	3.1	2.5	2.6	2.2	2.0	2.1
24	3.3	2.7	2.8	2.9	2.2	2.3	2.7	2.4	2.6	2.1	2.0	2.0
25	2.9	2.8	2.8	2.4	2.2	2.2	2.6	2.4	2.5	2.1	2.0	2.0
26	3.3	2.8	2.9	2.3	2.1	2.2	2.7	2.5	2.5	26	2.0	4.2
27	3.2	2.8	2.9	2.7	2.2	2.3	2.5	2.4	2.5	7.8	2.1	2.3
28	4.4	2.9	2.9	2.8	2.4	2.5	2.8	2.4	2.5	2.3	2.1	2.2
29	3.1	2.9	2.9	2.5	2.4	2.4	2.7	2.4	2.5	12	2.2	3.6
30	3.2	2.8	2.9	2.5	2.3	2.4	2.6	2.2	2.4	2.4	2.2	2.3
31	---	---	---	2.5	2.4	2.4	2.4	2.2	2.3	---	---	---
Month	---	---	---	---	---	---	3.2	2.2	2.6	26	1.8	2.3

442726110064101 MAMMOTH CRYSTAL SPRINGS OUTFLOW NEAR SYLVAN PASS, YELLOWSTONE NATIONAL PARK, WY (SP3)—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	3.9	3.2	3.4	---	---	---	---	---	---	---	---	---
2	6.1	3.0	3.9	---	---	---	---	---	---	---	---	---
3	5.8	2.8	3.9	---	---	---	---	---	---	---	---	---
4	3.7	3.0	3.4	---	---	---	---	---	---	---	---	---
5	4.6	2.8	3.5	---	---	---	---	---	---	---	---	---
6	5.2	2.8	3.5	---	---	---	---	---	---	---	---	---
7	4.2	3.0	3.6	---	---	---	---	---	---	---	---	---
8	4.5	1.9	3.3	---	---	---	---	---	---	---	---	---
9	3.5	2.1	2.8	---	---	---	---	---	---	---	---	---
10	4.3	2.4	3.1	---	---	---	---	---	---	---	---	---
11	3.5	2.8	3.0	---	---	---	---	---	---	---	---	---
12	4.2	2.9	3.5	---	---	---	---	---	---	---	---	---
13	4.4	3.3	3.8	---	---	---	---	---	---	---	---	---
14	3.9	3.4	3.7	---	---	---	---	---	---	---	---	---
15	4.7	3.5	4.0	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

442726110064101 MAMMOTH CRYSTAL SPRINGS OUTFLOW NEAR SYLVAN PASS, YELLOWSTONE NATIONAL PARK, WY (SP3)—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	---	---	---	---	---	---	---	---	---	---	---	---

442726110064101 MAMMOTH CRYSTAL SPRINGS OUTFLOW NEAR SYLVAN PASS, YELLOWSTONE NATIONAL PARK, WY (SP3)—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	---	---	---	3.7	2.7	3.0	6.9	4.7	5.3	4.9	4.1	4.4
2	---	---	---	3.6	2.8	3.0	7.1	4.7	5.3	7.2	4.1	4.9
3	---	---	---	3.5	2.8	3.1	7.1	4.7	5.4	7.6	4.0	5.0
4	---	---	---	3.6	2.9	3.1	7.3	4.7	5.4	7.0	4.2	5.1
5	---	---	---	3.9	3.0	3.3	7.6	4.8	5.6	6.1	4.1	4.9
6	---	---	---	---	---	---	6.7	4.9	5.3	6.8	3.7	4.6
7	---	---	---	---	---	---	6.4	4.8	5.3	7.9	3.7	4.8
8	---	---	---	4.5	---	---	7.0	4.8	5.4	6.5	4.1	5.0
9	3.3	2.9	3.0	4.7	3.4	3.8	6.7	4.9	5.4	5.3	3.9	4.5
10	3.4	2.8	2.9	4.6	3.6	3.8	7.8	4.8	5.6	5.2	3.1	4.1
11	3.3	2.8	2.9	4.4	3.6	3.9	7.8	4.9	5.7	7.6	3.8	4.8
12	3.0	2.8	2.9	4.8	3.7	4.0	7.0	4.9	5.5	7.4	3.9	4.8
13	3.3	2.7	2.9	5.0	3.8	4.1	6.9	5.0	5.5	7.1	4.0	4.9
14	3.6	2.7	3.0	5.0	3.8	4.1	7.5	4.8	5.5	6.3	4.2	4.9
15	3.5	2.7	2.9	5.2	3.8	4.2	8.2	4.9	5.7	7.5	4.0	4.9
16	3.3	2.7	2.9	5.3	3.9	4.4	7.5	4.8	5.6	7.6	4.0	4.9
17	2.8	2.6	2.7	5.3	4.1	4.4	8.4	5.0	5.9	6.8	4.3	5.0
18	3.4	2.6	2.8	5.4	4.1	4.5	8.6	4.9	5.9	7.7	4.1	5.0
19	3.5	2.6	2.8	5.6	4.2	4.6	7.3	4.6	5.5	7.9	4.0	5.0
20	3.4	2.6	2.8	5.8	4.2	4.6	8.1	4.5	5.4	6.9	4.0	4.7
21	3.6	2.6	2.9	4.9	4.2	4.4	7.7	4.5	5.5	7.0	3.6	4.6
22	3.3	2.6	2.8	5.6	4.3	4.7	7.3	4.6	5.5	6.6	3.9	4.8
23	3.5	2.6	2.8	6.1	4.3	4.8	6.4	4.4	5.0	6.5	4.0	4.8
24	3.4	2.6	2.8	6.2	4.4	4.9	8.1	4.2	5.2	6.6	3.7	4.7
25	3.3	2.6	2.8	6.3	4.5	5.0	7.9	4.3	5.3	7.7	3.8	4.8
26	3.2	2.6	2.8	6.2	4.5	5.0	8.5	4.3	5.4	7.5	4.0	5.0
27	3.5	2.6	2.9	6.4	4.6	5.1	8.2	4.6	5.6	7.4	3.9	4.9
28	3.5	2.6	2.9	6.2	4.6	5.1	6.8	4.4	5.1	7.5	4.1	4.9
29	3.5	2.6	2.9	6.8	4.6	5.2	7.0	4.4	5.1	7.3	3.8	4.7
30	3.5	2.7	2.9	6.9	4.7	5.3	5.2	4.2	4.6	7.2	3.8	4.7
31	---	---	---	6.6	4.7	5.2	5.4	4.0	4.5	---	---	---
Month	---	---	---	---	---	---	8.6	4.0	5.4	7.9	3.1	4.8