



Water-Data Report 2010

**442727110064501 MAMMOTH CRYSTAL SPRINGS INFLOW NEAR SYLVAN PASS YELLOWSTONE
NATIONAL PARK, WY (SP2)**

Big Horn Basin
North Fork Shoshone Subbasin

LOCATION.--Lat 44°27'27", long 110°06'45" referenced to North American Datum of 1983, in NE ¼ SW ¼ SW ¼ sec.21, T.52 N., R.110 W., Park County, WY, Hydrologic Unit 10080012, at upstream end of Mammoth Crystal Springs, 1.3 miles southwest of Eleanor Lake, 680 ft upstream of confluence with Middle Creek.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 2006 to current year (seasonal).

GAGE.--Water stage recorder. Elevation of gage is 7,950 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, 7.62 ft, July 3, 2008; minimum recorded gage-height, 5.58 ft, October 16, 2009.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage-height, 7.31 ft, July 1; minimum recorded gage-height, 5.58 ft, October 16.

442727110064501 MAMMOTH CRYSTAL SPRINGS INFLOW NEAR SYLVAN PASS YELLOWSTONE NATIONAL PARK, WY (SP2)—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	5.68	---	---	---	---	---	---	---	---	7.29	6.56	6.15
2	5.69	---	---	---	---	---	---	---	---	7.29	6.54	6.21
3	5.68	---	---	---	---	---	---	---	---	7.25	6.53	6.21
4	5.66	---	---	---	---	---	---	---	---	7.19	6.51	6.16
5	5.65	---	---	---	---	---	---	---	---	7.11	6.50	6.12
6	5.64	---	---	---	---	---	---	---	---	7.06	6.48	6.09
7	5.63	---	---	---	---	---	---	---	---	7.03	6.47	6.06
8	5.63	---	---	---	---	---	---	---	---	7.02	6.46	6.03
9	5.62	---	---	---	---	---	---	---	---	7.01	6.44	6.03
10	5.62	---	---	---	---	---	---	---	---	7.02	6.43	6.05
11	5.61	---	---	---	---	---	---	---	---	7.02	6.42	6.07
12	5.60	---	---	---	---	---	---	---	---	7.02	6.41	6.15
13	5.60	---	---	---	---	---	---	---	---	7.00	6.39	6.16
14	5.60	---	---	---	---	---	---	---	---	6.98	6.37	6.10
15	5.60	---	---	---	---	---	---	---	---	6.96	6.36	6.07
16	5.60	---	---	---	---	---	---	---	---	6.92	6.34	6.03
17	---	---	---	---	---	---	---	---	---	6.88	6.33	6.00
18	---	---	---	---	---	---	---	---	---	6.85	6.31	5.98
19	---	---	---	---	---	---	---	---	---	6.83	6.30	5.95
20	---	---	---	---	---	---	---	---	---	6.81	6.28	5.92
21	---	---	---	---	---	---	---	---	---	6.79	6.26	5.90
22	---	---	---	---	---	---	---	---	---	6.76	6.24	5.90
23	---	---	---	---	---	---	---	---	---	6.74	6.25	5.90
24	---	---	---	---	---	---	---	---	---	6.71	6.25	5.89
25	---	---	---	---	---	---	---	---	---	6.68	6.24	5.87
26	---	---	---	---	---	---	---	---	---	6.66	6.21	5.86
27	---	---	---	---	---	---	---	---	---	6.64	6.20	5.87
28	---	---	---	---	---	---	---	---	---	6.62	6.18	5.86
29	---	---	---	---	---	---	---	---	---	6.60	6.18	5.84
30	---	---	---	---	---	---	---	---	7.27	6.58	6.16	5.82
31	---	---	---	---	---	---	---	---	---	6.57	6.14	---
Mean	---	---	---	---	---	---	---	---	---	6.90	6.35	6.01
Max	---	---	---	---	---	---	---	---	---	7.29	6.56	6.21
Min	---	---	---	---	---	---	---	---	---	6.57	6.14	5.82

442727110064501 MAMMOTH CRYSTAL SPRINGS INFLOW NEAR SYLVAN PASS YELLOWSTONE NATIONAL PARK, WY (SP2)—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 2007 to current year (seasonal).

PERIOD OF DAILY RECORD.--

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

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

WATER TEMPERATURE: June 2006 to October 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 good October 1-15, June 9-16, June 20 to July 18, August 22 to September 7, and September 10-19, 23-30; and fair June 17-19 and July 19 to August 21. Water temperature records are rated excellent. 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, 204 microsiemens per centimeter at 25°C ($\mu\text{S}/\text{cm}$), August 18, 2006; minimum recorded, 84 $\mu\text{S}/\text{cm}$, June 7, 2007.

TURBIDITY: Maximum recorded, 320 formazin nephelometric units (FNU), July 26, 2007; minimum recorded, > 0.1 FNU, June 24 to July 7, Sept. 15, 17, 2006, and June 12-14, 2008.

WATER TEMPERATURE: Maximum recorded, 7.8°C, October 18, 2008; minimum recorded, 0.2°C, October 20, 2008.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 191 $\mu\text{S}/\text{cm}$, August 31; minimum recorded, 91 $\mu\text{S}/\text{cm}$, July 1.

TURBIDITY: Maximum recorded, 13 FNU, June 8; minimum recorded, 1.0 FNU, September 24, 25.

WATER TEMPERATURE: Maximum recorded, 5.0°C, October 2, 3; minimum recorded, 2.6°C, June 20, 23-38.

442727110064501 MAMMOTH CRYSTAL SPRINGS INFLOW NEAR SYLVAN PASS YELLOWSTONE NATIONAL PARK, WY (SP2)—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	184	183	184	---	---	---	---	---	---	---	---	---
2	187	178	184	---	---	---	---	---	---	---	---	---
3	188	179	184	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

442727110064501 MAMMOTH CRYSTAL SPRINGS INFLOW NEAR SYLVAN PASS YELLOWSTONE NATIONAL PARK, WY (SP2)—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	---	---	---	---	---	---	---	---	---	---	---	---
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Month	---	---	---	---	---	---	---	---	---	---	---	---

442727110064501 MAMMOTH CRYSTAL SPRINGS INFLOW NEAR SYLVAN PASS YELLOWSTONE NATIONAL PARK, WY (SP2)—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	91	92	171	169	169	189	182	185
2	---	---	---	93	92	92	173	170	170	189	180	183
3	---	---	---	95	92	94	173	170	171	182	180	181
4	---	---	---	99	95	97	177	171	172	185	181	182
5	---	---	---	103	99	101	181	172	174	185	182	183
6	---	---	---	106	103	104	178	172	173	187	182	183
7	---	---	---	110	106	108	179	173	174	---	---	---
8	---	---	---	114	110	112	180	174	175	---	---	---
9	106	102	103	119	114	116	180	174	176	---	---	---
10	106	105	106	122	119	120	183	175	176	181	175	178
11	106	104	105	125	122	123	180	175	176	184	178	180
12	112	106	109	128	125	126	182	175	177	184	178	179
13	116	112	113	133	128	130	183	176	178	181	178	180
14	117	116	117	134	132	133	183	177	178	184	180	181
15	116	111	114	137	134	135	185	178	179	182	177	180
16	112	105	108	140	137	139	188	178	179	---	---	---
17	106	100	102	144	140	142	187	179	183	---	---	---
18	105	100	102	147	144	145	190	180	182	---	---	---
19	110	105	108	149	147	148	184	180	181	---	---	---
20	110	108	109	151	149	150	188	181	182	---	---	---
21	108	105	107	154	151	152	190	182	184	---	---	---
22	105	101	104	158	154	155	190	182	184	---	---	---
23	102	101	101	159	156	157	186	183	184	183	180	180
24	103	101	102	166	158	160	187	182	183	183	180	180
25	101	98	100	166	161	162	185	182	183	186	180	184
26	98	95	97	164	162	163	190	182	183	181	180	181
27	96	95	95	170	164	165	190	182	184	181	180	181
28	95	93	95	170	165	166	189	183	184	182	181	181
29	97	93	94	170	167	167	186	183	184	182	181	181
30	94	92	93	169	167	168	189	184	185	186	181	182
31	---	---	---	172	168	169	191	184	186	---	---	---
Month	---	---	---	172	91	135	191	169	179	---	---	---

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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	3.0	2.8	2.8	---	---	---	---	---	---	---	---	---
2	2.9	2.8	2.8	---	---	---	---	---	---	---	---	---
3	2.8	2.7	2.8	---	---	---	---	---	---	---	---	---
4	2.8	2.7	2.7	---	---	---	---	---	---	---	---	---
5	2.8	2.7	2.7	---	---	---	---	---	---	---	---	---
6	2.7	2.7	2.7	---	---	---	---	---	---	---	---	---
7	2.8	2.7	2.7	---	---	---	---	---	---	---	---	---
8	2.9	2.7	2.8	---	---	---	---	---	---	---	---	---
9	3.1	2.8	2.9	---	---	---	---	---	---	---	---	---
10	3.4	3.1	3.3	---	---	---	---	---	---	---	---	---
11	3.4	3.1	3.3	---	---	---	---	---	---	---	---	---
12	3.7	3.3	3.3	---	---	---	---	---	---	---	---	---
13	4.3	3.4	3.5	---	---	---	---	---	---	---	---	---
14	4.4	3.5	3.7	---	---	---	---	---	---	---	---	---
15	4.6	3.7	3.8	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
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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	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

442727110064501 MAMMOTH CRYSTAL SPRINGS INFLOW NEAR SYLVAN PASS YELLOWSTONE NATIONAL PARK, WY (SP2)—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	---	---	---	1.9	1.7	1.8	2.7	2.1	2.2	3.7	2.3	2.4
2	---	---	---	2.0	1.7	1.8	3.0	2.1	2.2	2.9	2.4	2.6
3	---	---	---	1.9	1.7	1.8	3.3	2.0	2.2	2.4	2.2	2.4
4	---	---	---	1.8	1.6	1.7	2.4	2.1	2.2	2.4	2.3	2.3
5	---	---	---	1.8	1.6	1.7	2.4	2.0	2.1	2.4	2.2	2.3
6	---	---	---	1.8	1.6	1.7	2.3	1.9	2.1	3.7	2.1	2.3
7	---	---	---	1.7	1.6	1.7	2.1	2.0	2.1	3.7	2.3	2.4
8	---	---	---	1.7	1.6	1.6	2.5	2.0	2.0	---	---	---
9	5.1	2.3	3.2	1.8	1.4	1.7	2.4	2.0	2.1	---	---	---
10	2.4	2.1	2.2	1.9	1.6	1.7	2.5	2.0	2.2	2.4	2.3	2.3
11	2.2	1.9	2.1	1.8	1.6	1.7	3.0	2.1	2.2	2.6	2.2	2.4
12	2.5	2.0	2.1	1.8	1.6	1.7	2.3	2.1	2.2	2.8	2.4	2.5
13	2.2	1.9	2.0	2.0	1.6	1.8	3.3	2.0	2.2	2.4	2.0	2.2
14	2.1	2.0	2.1	1.9	1.8	1.8	2.7	2.0	2.2	2.3	2.2	2.2
15	2.3	2.0	2.1	2.0	1.8	1.9	3.7	2.1	2.2	2.3	2.0	2.2
16	2.5	2.2	2.3	2.1	1.9	1.9	3.7	2.1	2.2	2.4	2.1	2.1
17	3.1	2.3	2.7	2.1	1.9	2.0	2.4	2.1	2.2	2.4	2.0	2.1
18	2.9	2.2	2.4	2.3	1.9	2.0	2.4	2.0	2.2	2.4	2.0	2.1
19	2.3	2.1	2.2	2.1	2.0	2.1	2.3	2.2	2.3	2.5	2.0	2.3
20	2.2	2.1	2.1	2.2	2.0	2.0	2.4	2.2	2.3	---	---	---
21	2.1	2.0	2.1	2.1	2.0	2.0	2.3	2.2	2.2	---	---	---
22	2.2	2.0	2.1	2.1	2.0	2.0	2.3	2.2	2.3	---	---	---
23	2.1	1.9	2.0	2.1	2.0	2.0	3.3	2.2	2.4	1.5	1.0	1.1
24	2.1	1.9	2.0	2.1	2.0	2.0	2.7	2.3	2.4	1.1	1.0	1.1
25	2.0	1.8	1.9	2.3	2.0	2.0	2.4	2.3	2.3	1.8	1.0	1.2
26	2.7	1.9	2.0	2.1	1.9	2.0	4.1	2.3	2.4	1.5	1.1	1.2
27	2.0	1.8	1.9	2.1	1.9	2.0	2.9	2.2	2.3	1.2	1.1	1.2
28	2.0	1.7	1.9	2.2	1.9	2.0	2.5	2.2	2.3	1.4	1.1	1.2
29	1.9	1.7	1.8	2.3	2.0	2.1	2.7	2.2	2.3	1.3	1.2	1.2
30	1.9	1.7	1.8	3.8	2.1	2.2	2.6	2.4	2.5	1.5	1.2	1.3
31	---	---	---	3.7	2.1	2.2	2.5	2.3	2.4	---	---	---
Month	---	---	---	3.8	1.4	1.9	4.1	1.9	2.2	---	---	---

442727110064501 MAMMOTH CRYSTAL SPRINGS INFLOW NEAR SYLVAN PASS YELLOWSTONE NATIONAL PARK, WY (SP2)—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	4.4	4.2	4.3	---	---	---	---	---	---	---	---	---
2	5.0	4.1	4.3	---	---	---	---	---	---	---	---	---
3	5.0	4.0	4.3	---	---	---	---	---	---	---	---	---
4	4.3	4.0	4.1	---	---	---	---	---	---	---	---	---
5	4.6	3.6	4.1	---	---	---	---	---	---	---	---	---
6	4.5	3.5	3.9	---	---	---	---	---	---	---	---	---
7	4.4	3.9	4.1	---	---	---	---	---	---	---	---	---
8	4.2	3.8	3.9	---	---	---	---	---	---	---	---	---
9	3.9	3.1	3.7	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

442727110064501 MAMMOTH CRYSTAL SPRINGS INFLOW NEAR SYLVAN PASS YELLOWSTONE NATIONAL PARK, WY (SP2)—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	---	---	---	---	---	---	---	---	---	---	---	---

442727110064501 MAMMOTH CRYSTAL SPRINGS INFLOW NEAR SYLVAN PASS YELLOWSTONE NATIONAL PARK, WY (SP2)—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	---	---	---	2.9	2.7	2.8	4.7	4.6	4.6	4.6	4.6	4.6
2	---	---	---	2.9	2.8	2.8	4.7	4.6	4.6	4.6	4.5	4.6
3	---	---	---	3.0	2.8	2.9	4.7	4.6	4.6	4.6	4.5	4.5
4	---	---	---	3.1	2.9	3.0	4.7	4.6	4.6	4.6	4.5	4.5
5	---	---	---	3.2	3.0	3.1	4.7	4.6	4.6	4.6	4.5	4.5
6	---	---	---	3.3	3.2	3.2	4.7	4.6	4.6	4.6	4.5	4.5
7	---	---	---	3.4	3.3	3.4	4.7	4.6	4.6	---	---	---
8	---	---	---	3.5	3.4	3.5	4.7	4.6	4.6	---	---	---
9	3.2	2.9	2.9	3.7	3.5	3.6	4.7	4.6	4.6	---	---	---
10	3.2	2.9	2.9	3.7	3.6	3.7	4.7	4.6	4.6	---	---	---
11	3.1	2.8	2.9	3.8	3.7	3.7	4.7	4.6	4.6	4.5	4.4	4.5
12	2.9	2.8	2.8	3.9	3.7	3.8	4.7	4.6	4.6	4.5	4.5	4.5
13	3.2	2.8	2.9	3.9	3.8	3.8	4.7	4.6	4.6	4.5	4.5	4.5
14	3.4	2.8	2.9	4.0	3.9	3.9	4.7	4.6	4.6	4.5	4.5	4.5
15	3.3	2.8	2.9	4.1	3.9	4.0	4.7	4.6	4.6	4.6	4.4	4.5
16	3.1	2.7	2.8	4.1	4.0	4.1	4.7	4.6	4.6	---	---	---
17	2.8	2.7	2.8	4.2	4.1	4.1	4.7	4.6	4.6	---	---	---
18	3.0	2.7	2.7	4.3	4.2	4.2	4.7	4.6	4.6	---	---	---
19	2.7	2.7	2.7	4.3	4.2	4.3	4.7	4.6	4.6	---	---	---
20	2.8	2.6	2.7	4.3	4.3	4.3	4.7	4.6	4.6	---	---	---
21	2.8	2.7	2.7	4.4	4.3	4.3	4.7	4.6	4.6	---	---	---
22	2.7	2.7	2.7	4.4	4.4	4.4	4.7	4.6	4.6	---	---	---
23	2.7	2.6	2.7	4.4	4.4	4.4	4.7	4.6	4.6	4.6	4.4	4.5
24	2.7	2.6	2.6	4.5	4.4	4.5	4.7	4.6	4.6	4.5	4.4	4.4
25	2.7	2.6	2.6	4.5	4.5	4.5	4.7	4.6	4.6	4.5	4.4	4.4
26	2.7	2.6	2.6	4.6	4.5	4.5	4.7	4.6	4.6	4.5	4.4	4.4
27	2.7	2.6	2.6	4.6	4.5	4.5	4.7	4.6	4.6	4.5	4.4	4.4
28	2.7	2.6	2.7	4.6	4.5	4.6	4.7	4.6	4.6	4.5	4.4	4.4
29	2.8	2.7	2.7	4.6	4.5	4.6	4.6	4.6	4.6	4.5	4.4	4.4
30	2.8	2.7	2.7	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.4	4.4
31	---	---	---	4.7	4.6	4.6	4.6	4.6	4.6	---	---	---
Month	---	---	---	4.7	2.7	3.9	4.7	4.6	4.6	---	---	---