



Water-Data Report 2009

14138720 BULL RUN RIVER AT LOWER FLUME, NEAR BRIGHTWOOD, OR

Lower Columbia Basin
Lower Columbia-Sandy Subbasin

LOCATION.--Lat 45°28'16", long 121°51'51" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.19, T.1 S., R.8 E., Multnomah County, OR, Hydrologic Unit 17080001, at flume, 1.0 mi downstream from outlet structure at Bull Run Lake, 10.4 mi northeast of Brightwood and at mile 20.9.

DRAINAGE AREA.--5.08 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,840 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good except those for Jan. 18 to May 20, which are fair. Regulation at times by Bull Run Lake (station 14138560).

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--17 years (water years 1993-2009), 26.1 ft³/s, 18,910 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 148 ft³/s Feb. 7, 1996, gage height, 3.41 ft, from rating curve extended above 63 ft³/s on basis of slope-area measurement of peak flow; minimum discharge, 8.2 ft³/s Oct. 28, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 71 ft³/s May 24, 25, gage height, 2.66 ft; minimum discharge, 17 ft³/s Sept. 18-30.

14138720 BULL RUN RIVER AT LOWER FLUME, NEAR BRIGHTWOOD, OR—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	21	20	26	40	30	26	27	33	63	29	23	19
2	21	20	26	52	29	26	28	34	63	28	22	19
3	21	20	26	44	29	26	29	35	63	28	22	18
4	21	20	26	40	29	26	28	36	63	28	22	18
5	21	20	25	40	29	26	28	41	62	27	22	18
6	21	23	25	44	28	26	28	44	61	27	22	18
7	22	24	25	56	28	25	28	49	59	27	22	18
8	22	23	25	62	28	25	29	47	58	27	21	18
9	21	23	25	58	27	25	29	45	56	27	21	18
10	21	23	24	55	27	25	30	44	55	26	21	18
11	21	24	24	53	27	25	30	44	54	26	21	18
12	21	36	24	53	27	25	31	44	54	26	21	18
13	21	48	24	51	26	25	34	44	53	26	21	18
14	21	39	24	49	26	25	33	49	51	26	20	18
15	21	35	24	47	26	25	33	49	49	25	20	18
16	21	33	24	45	26	25	32	48	47	25	20	18
17	20	32	23	43	26	25	31	48	44	25	20	18
18	20	32	23	41	25	25	31	50	41	25	20	18
19	20	31	23	39	25	25	32	52	39	25	20	17
20	20	31	23	38	25	25	32	56	37	24	20	17
21	20	30	23	37	25	25	34	61	35	24	20	17
22	20	30	23	36	25	25	35	65	34	24	20	17
23	20	29	23	35	25	25	34	69	33	24	19	17
24	20	28	23	34	26	25	34	71	32	24	19	17
25	20	28	22	33	28	25	34	71	31	24	19	17
26	20	27	22	33	28	25	33	70	31	23	19	17
27	20	27	25	32	27	25	33	68	30	23	19	17
28	20	27	38	32	26	26	33	67	30	23	19	17
29	20	26	35	31	---	27	33	65	30	23	19	17
30	20	26	31	31	---	27	33	64	29	23	19	17
31	20	---	31	30	---	27	---	64	---	23	19	---
Total	638	835	785	1,314	753	788	939	1,627	1,387	785	632	530
Mean	20.6	27.8	25.3	42.4	26.9	25.4	31.3	52.5	46.2	25.3	20.4	17.7
Max	22	48	38	62	30	27	35	71	63	29	23	19
Min	20	20	22	30	25	25	27	33	29	23	19	17
Ac-ft	1,270	1,660	1,560	2,610	1,490	1,560	1,860	3,230	2,750	1,560	1,250	1,050

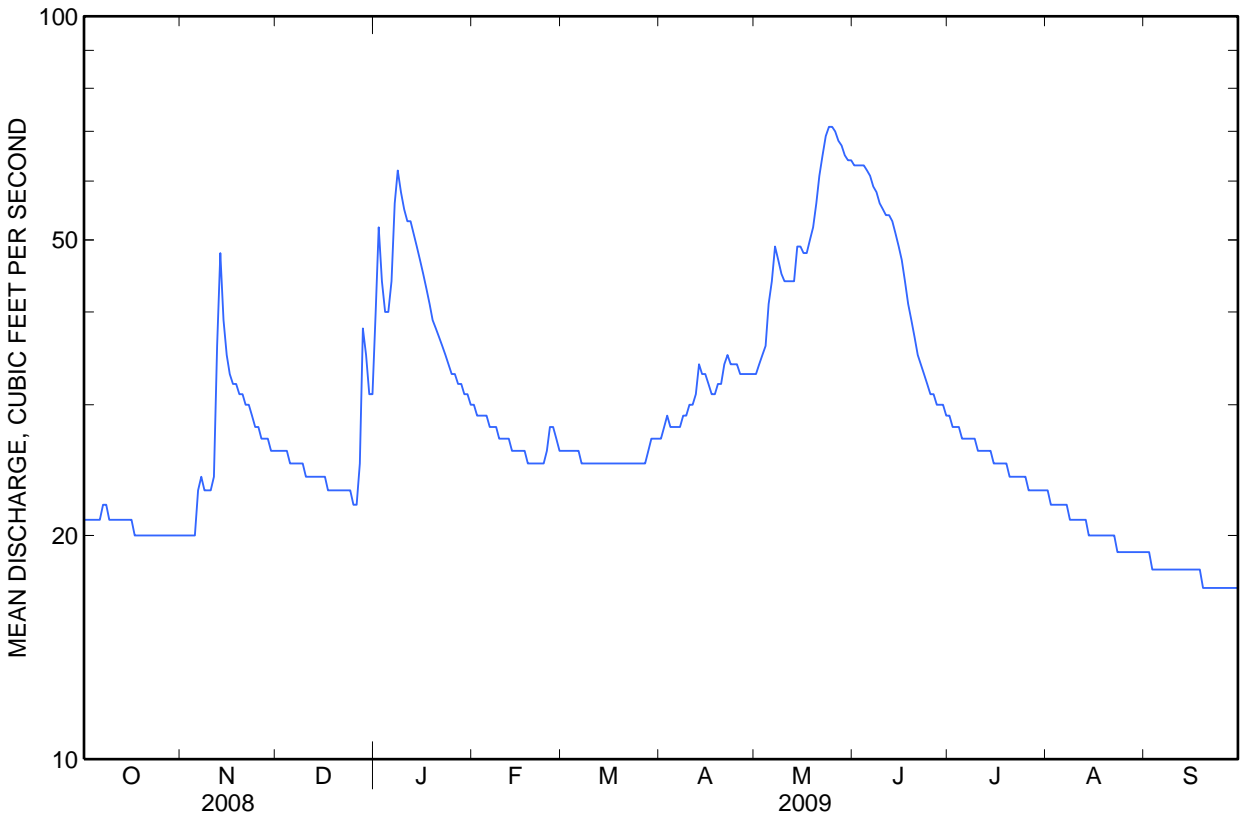
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	16.3	21.8	27.4	31.6	29.4	29.4	30.5	33.3	30.7	23.9	20.4	18.5
Max	22.8	37.0	49.1	67.3	55.8	62.7	57.6	67.0	55.0	48.5	40.0	32.4
(WY)	(2000)	(1996)	(1996)	(1996)	(1996)	(1997)	(1997)	(1997)	(2008)	(2008)	(2000)	(2000)
Min	10.5	11.9	16.0	15.3	15.6	18.2	21.5	21.2	18.5	16.2	13.4	11.6
(WY)	(1993)	(1994)	(2003)	(1993)	(1993)	(2001)	(2001)	(1994)	(1994)	(1994)	(1994)	(1994)

14138720 BULL RUN RIVER AT LOWER FLUME, NEAR BRIGHTWOOD, OR—Continued

SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1993 - 2009	
Annual total	10,959		11,013			
Annual mean	29.9		30.2		26.1	
Highest annual mean					37.5	1997
Lowest annual mean					17.4	2001
Highest daily mean	72	Jul 4	71	May 24	130	Feb 7, 1996
Lowest daily mean	20	Oct 17	17	Sep 19	8.4	Oct 27, 1992
Annual seven-day minimum	20	Oct 17	17	Sep 19	8.6	Oct 22, 1992
Annual runoff (ac-ft)	21,740		21,840		18,910	
10 percent exceeds	51		49		38	
50 percent exceeds	25		26		24	
90 percent exceeds	21		19		15	



14138720 BULL RUN RIVER AT LOWER FLUME, NEAR BRIGHTWOOD, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1996 to current year.

WATER TEMPERATURE: October 1995 to current year.

INSTRUMENTATION.--Water-quality monitor and data logger.

REMARKS.--

SPECIFIC CONDUCTANCE: Records fair.

WATER TEMPERATURE: Records excellent except those for February to April, which are good.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 40 microsiemens Nov. 16, 2005; minimum, 18 microsiemens Dec. 27, 1998.

WATER TEMPERATURE: Maximum, 9.0°C on several days during September 2000; minimum, 3.0°C Feb. 6, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 33 microsiemens Feb. 17; minimum, 25 microsiemens Nov. 12, 13, Jan. 1, 2.

WATER TEMPERATURE: Maximum, 6.9°C Nov. 12; minimum, 4.5°C Dec. 28, Jan. 1.

14138720 BULL RUN RIVER AT LOWER FLUME, NEAR BRIGHTWOOD, OR—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	32	32	32	32	31	31	30	30	30	29	25	27
2	32	32	32	32	31	31	31	30	30	29	25	27
3	32	32	32	32	31	31	30	30	30	30	29	29
4	32	32	32	32	31	31	30	30	30	30	29	29
5	32	32	32	32	31	31	30	30	30	30	29	29
6	32	32	32	32	31	32	30	30	30	30	28	29
7	32	32	32	32	32	32	30	30	30	29	28	28
8	32	32	32	32	32	32	30	29	30	29	27	28
9	32	31	32	32	32	32	30	29	29	30	28	29
10	32	31	31	32	31	32	30	29	29	29	28	29
11	32	31	31	31	30	31	30	29	29	31	29	30
12	32	31	31	31	25	29	29	29	29	31	29	30
13	32	31	31	30	25	28	29	29	29	31	30	30
14	31	31	31	31	29	30	29	29	29	31	29	30
15	31	30	31	31	29	30	29	29	29	32	28	30
16	31	30	30	31	29	30	29	29	29	31	30	31
17	31	30	30	31	29	30	29	29	29	32	30	31
18	31	30	30	31	30	30	29	29	29	32	30	31
19	31	30	30	31	30	30	29	29	29	31	30	31
20	31	30	31	31	30	30	29	29	29	31	30	31
21	31	31	31	31	30	30	29	29	29	31	30	30
22	31	30	30	31	30	30	29	29	29	31	30	30
23	30	30	30	31	30	30	29	29	29	31	29	30
24	31	30	31	31	30	30	29	29	29	31	30	30
25	32	30	31	31	30	30	29	29	29	31	30	31
26	32	31	31	31	30	30	29	29	29	31	30	30
27	32	32	32	31	30	30	29	28	29	31	30	31
28	32	32	32	30	30	30	28	26	27	31	30	31
29	32	31	31	30	30	30	29	28	29	31	30	31
30	32	31	31	31	30	30	29	29	29	31	30	31
31	32	31	31	---	---	---	29	29	29	31	30	31
Month	32	30	31	32	25	30	31	26	29	32	25	30

14138720 BULL RUN RIVER AT LOWER FLUME, NEAR BRIGHTWOOD, OR—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
	February			March			April			May		
1	31	31	31	30	30	30	28	27	27	30	28	29
2	31	30	31	30	30	30	27	27	27	30	28	29
3	31	30	31	30	30	30	27	27	27	32	28	29
4	31	30	30	30	30	30	---	---	---	32	28	29
5	30	30	30	30	30	30	---	---	---	30	28	28
6	30	30	30	30	30	30	30	30	30	28	27	28
7	30	30	30	31	29	30	---	---	---	29	27	28
8	30	30	30	31	29	29	---	---	---	30	28	29
9	30	29	30	29	29	29	30	30	30	29	28	29
10	31	29	30	30	29	29	30	30	30	29	29	29
11	32	31	31	29	29	29	30	29	30	29	29	29
12	32	31	32	29	29	29	30	28	29	29	29	29
13	32	31	32	29	29	29	29	28	28	30	28	29
14	32	31	32	29	29	29	28	28	28	29	28	28
15	32	31	32	30	29	29	28	28	28	29	29	29
16	32	32	32	29	29	29	28	28	28	29	29	29
17	33	32	32	29	29	29	28	28	28	29	29	29
18	32	32	32	30	29	29	28	28	28	30	29	29
19	32	32	32	30	29	29	29	28	28	30	29	29
20	32	32	32	30	28	29	28	28	28	30	29	29
21	32	32	32	29	27	28	28	28	28	30	29	29
22	32	31	32	29	27	29	28	28	28	29	27	29
23	32	31	31	29	27	28	28	28	28	29	27	28
24	32	31	31	28	27	27	29	28	28	29	28	28
25	31	30	30	28	27	27	29	28	29	30	28	29
26	31	30	31	27	27	27	29	28	29	30	30	30
27	31	30	31	27	27	27	29	28	29	30	30	30
28	31	30	30	28	27	27	29	28	29	30	29	29
29	---	---	---	28	27	27	29	28	29	29	29	29
30	---	---	---	---	---	---	29	28	29	30	28	29
31	---	---	---	28	27	27	---	---	---	30	30	30
Month	33	29	31	---	---	---	---	---	---	32	27	29

14138720 BULL RUN RIVER AT LOWER FLUME, NEAR BRIGHTWOOD, OR—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
	June			July			August			September		
1	30	29	30	29	29	29	30	29	29	30	29	30
2	30	29	29	30	29	29	30	29	29	30	29	30
3	29	28	29	30	29	29	30	29	29	30	29	30
4	29	28	29	30	29	29	30	29	29	30	29	30
5	29	28	29	30	29	29	29	29	29	30	29	30
6	29	29	29	30	29	29	29	29	29	30	29	29
7	29	29	29	30	29	30	29	29	29	30	29	30
8	29	29	29	30	29	29	29	29	29	30	29	30
9	29	28	29	30	29	29	29	29	29	30	29	30
10	29	29	29	29	29	29	30	29	29	30	29	30
11	29	29	29	29	29	29	29	29	29	30	29	30
12	29	29	29	30	29	29	30	29	29	30	29	30
13	29	29	29	29	29	29	29	29	29	30	29	30
14	29	29	29	29	29	29	30	29	29	30	29	30
15	29	29	29	30	29	29	30	29	29	30	29	30
16	29	29	29	30	29	29	30	29	29	30	29	30
17	29	29	29	29	29	29	30	29	29	30	29	30
18	29	29	29	29	29	29	30	29	29	30	29	30
19	29	29	29	30	29	29	30	29	30	30	29	30
20	29	29	29	30	29	29	30	29	30	30	29	30
21	30	29	29	30	29	29	30	29	30	30	29	29
22	29	29	29	30	29	29	30	29	29	30	29	29
23	29	29	29	29	29	29	30	29	29	30	29	29
24	29	29	29	29	29	29	30	29	29	30	29	29
25	29	29	29	29	29	29	30	29	29	30	29	29
26	30	29	29	29	29	29	30	29	29	30	29	30
27	29	29	29	30	29	29	30	29	30	30	29	30
28	30	29	29	30	29	29	30	29	30	30	29	29
29	30	29	29	30	29	29	30	29	30	30	29	29
30	29	29	29	30	29	29	30	29	30	30	29	29
31	---	---	---	30	29	29	30	29	30	---	---	---
Month	30	28	29	30	29	29	30	29	29	30	29	30

14138720 BULL RUN RIVER AT LOWER FLUME, NEAR BRIGHTWOOD, OR—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	6.2	6.1	6.2	6.4	6.3	6.4	6.4	6.3	6.4	6.0	4.5	5.4
2	6.2	6.2	6.2	6.4	6.3	6.4	6.4	6.3	6.4	5.6	4.6	5.3
3	6.2	6.2	6.2	6.4	6.3	6.4	6.4	6.3	6.4	5.8	5.6	5.7
4	6.3	6.2	6.2	6.4	6.3	6.4	6.4	6.3	6.3	5.9	5.7	5.8
5	6.3	6.2	6.2	6.4	6.4	6.4	6.3	6.3	6.3	6.0	5.7	5.9
6	6.3	6.2	6.2	6.4	6.3	6.4	6.3	6.3	6.3	6.0	5.8	5.9
7	6.3	6.2	6.2	6.4	6.3	6.4	6.3	6.3	6.3	5.8	5.2	5.5
8	6.3	6.2	6.2	6.4	6.2	6.3	6.3	6.3	6.3	5.6	5.2	5.5
9	6.3	6.2	6.2	6.3	6.2	6.3	6.3	6.3	6.3	5.9	5.6	5.8
10	6.3	6.2	6.2	6.3	6.2	6.3	6.3	6.3	6.3	6.1	5.8	6.0
11	6.3	6.2	6.2	6.4	6.3	6.3	6.4	6.3	6.3	6.2	6.0	6.1
12	6.3	6.2	6.2	6.9	6.3	6.5	6.3	6.2	6.3	6.2	6.1	6.2
13	6.2	6.2	6.2	6.6	6.2	6.3	6.3	6.2	6.3	6.2	6.1	6.2
14	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.2	6.2	6.2	6.2	6.2
15	6.3	6.2	6.2	6.3	6.2	6.2	6.2	6.2	6.2	6.3	6.2	6.2
16	6.3	6.2	6.2	6.3	6.2	6.3	6.2	6.1	6.2	6.3	6.2	6.2
17	6.3	6.2	6.2	6.3	6.3	6.3	6.2	6.1	6.2	6.2	6.1	6.1
18	6.3	6.2	6.2	6.3	6.3	6.3	6.2	6.1	6.1	6.2	6.1	6.1
19	6.3	6.2	6.2	6.4	6.3	6.3	6.2	6.1	6.2	6.1	6.1	6.1
20	6.3	6.2	6.3	6.4	6.3	6.3	6.2	6.0	6.1	6.2	6.0	6.1
21	6.3	6.2	6.3	6.3	6.3	6.3	6.1	6.0	6.1	6.2	6.1	6.1
22	6.3	6.2	6.3	6.3	6.3	6.3	6.2	6.1	6.1	6.2	6.1	6.2
23	6.3	6.2	6.3	6.3	6.3	6.3	6.2	6.1	6.2	6.3	6.1	6.2
24	6.3	6.2	6.3	6.3	6.3	6.3	6.2	6.0	6.1	6.3	6.2	6.3
25	6.3	6.2	6.3	6.3	6.3	6.3	6.2	6.0	6.2	6.3	6.2	6.2
26	6.3	6.2	6.3	6.3	6.3	6.3	6.2	6.2	6.2	6.3	6.2	6.2
27	6.3	6.3	6.3	6.3	6.2	6.3	6.2	5.7	6.0	6.3	6.2	6.2
28	6.4	6.3	6.3	6.3	6.3	6.3	5.7	4.5	5.2	6.3	6.2	6.3
29	6.4	6.3	6.3	6.4	6.3	6.3	5.9	5.7	5.8	6.3	6.3	6.3
30	6.4	6.3	6.3	6.4	6.3	6.3	6.0	5.9	6.0	6.4	6.3	6.3
31	6.4	6.3	6.3	---	---	---	6.0	5.9	6.0	6.3	6.3	6.3
Month	6.4	6.1	6.2	6.9	6.2	6.3	6.4	4.5	6.2	6.4	4.5	6.0

14138720 BULL RUN RIVER AT LOWER FLUME, NEAR BRIGHTWOOD, OR—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
	February			March			April			May		
1	6.4	6.3	6.3	6.2	6.1	6.1	5.9	5.8	5.8	5.8	5.7	5.7
2	6.4	6.3	6.3	6.2	6.1	6.1	5.9	5.7	5.7	5.7	5.6	5.7
3	6.4	6.3	6.4	6.2	6.0	6.1	5.8	5.6	5.8	5.7	5.6	5.6
4	6.4	6.3	6.4	6.2	6.1	6.1	5.9	5.8	5.8	5.7	5.4	5.6
5	6.4	6.3	6.4	6.2	6.0	6.1	5.9	5.8	5.8	5.5	5.4	5.4
6	6.4	6.3	6.4	6.2	6.1	6.1	5.9	5.8	5.8	5.4	5.0	5.3
7	6.4	6.3	6.3	6.2	5.8	6.1	5.9	5.8	5.8	5.3	5.1	5.2
8	6.4	6.3	6.3	6.2	6.0	6.1	5.8	5.8	5.8	5.5	5.3	5.4
9	6.3	6.2	6.3	6.1	6.0	6.1	5.8	5.7	5.8	5.6	5.3	5.4
10	6.3	6.2	6.3	6.1	6.0	6.1	5.8	5.7	5.7	5.6	5.4	5.5
11	6.3	6.2	6.3	6.1	6.0	6.1	5.8	5.7	5.8	5.6	5.4	5.5
12	6.3	6.2	6.3	6.1	6.0	6.1	5.8	5.5	5.7	5.5	5.4	5.4
13	6.3	6.3	6.3	6.1	6.0	6.1	5.6	5.4	5.5	5.5	5.4	5.5
14	6.3	6.3	6.3	6.1	6.0	6.1	5.7	5.6	5.6	5.4	5.3	5.3
15	6.3	6.2	6.3	6.1	5.8	6.0	5.7	5.6	5.7	5.6	5.3	5.4
16	6.3	6.3	6.3	6.1	6.0	6.0	5.8	5.7	5.7	5.6	5.4	5.5
17	6.3	6.3	6.3	6.1	6.0	6.0	5.7	5.7	5.7	5.7	5.4	5.5
18	6.3	6.3	6.3	6.1	6.0	6.0	5.8	5.6	5.7	5.7	5.4	5.5
19	6.3	6.3	6.3	6.1	6.0	6.0	5.8	5.6	5.7	5.5	5.4	5.4
20	6.3	6.3	6.3	6.1	6.0	6.0	5.7	5.6	5.7	5.6	5.4	5.4
21	6.3	6.3	6.3	6.0	6.0	6.0	5.7	5.5	5.6	5.6	5.3	5.5
22	6.3	6.3	6.3	6.0	5.9	6.0	5.6	5.5	5.6	5.6	5.3	5.5
23	6.3	6.2	6.3	6.0	6.0	6.0	5.6	5.5	5.6	5.6	5.3	5.5
24	6.3	6.1	6.2	6.0	5.9	6.0	5.7	5.6	5.6	5.6	5.4	5.4
25	6.2	6.0	6.0	6.0	5.9	6.0	5.7	5.6	5.6	5.5	5.3	5.4
26	6.2	6.0	6.1	6.0	5.9	6.0	5.8	5.7	5.7	5.6	5.3	5.4
27	6.2	6.1	6.1	6.0	5.9	6.0	5.8	5.7	5.7	5.6	5.3	5.4
28	6.2	6.1	6.1	6.0	5.7	5.9	5.8	5.6	5.7	5.6	5.3	5.4
29	---	---	---	5.9	5.7	5.8	5.8	5.6	5.7	5.6	5.4	5.5
30	---	---	---	5.9	5.8	5.9	5.8	5.7	5.7	5.6	5.3	5.4
31	---	---	---	5.9	5.8	5.9	---	---	---	5.6	5.3	5.4
Month	6.4	6.0	6.3	6.2	5.7	6.0	5.9	5.4	5.7	5.8	5.0	5.5

14138720 BULL RUN RIVER AT LOWER FLUME, NEAR BRIGHTWOOD, OR—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
	June			July			August			September		
1	5.6	5.3	5.4	5.3	5.1	5.2	5.6	5.5	5.6	5.7	5.6	5.7
2	5.5	5.3	5.4	5.3	5.1	5.2	5.6	5.5	5.5	5.7	5.6	5.7
3	5.5	5.3	5.4	5.4	5.1	5.2	5.7	5.5	5.6	5.7	5.6	5.7
4	5.5	5.3	5.4	5.4	5.2	5.2	5.6	5.5	5.6	5.7	5.6	5.7
5	5.4	5.3	5.3	5.4	5.2	5.2	5.6	5.5	5.5	5.8	5.7	5.7
6	5.3	5.2	5.3	5.3	5.2	5.2	5.6	5.5	5.5	5.8	5.7	5.7
7	5.3	5.2	5.2	5.3	5.2	5.2	5.6	5.5	5.5	5.8	5.7	5.7
8	5.4	5.2	5.3	5.3	5.2	5.2	5.6	5.5	5.5	5.7	5.7	5.7
9	5.4	5.2	5.3	5.4	5.2	5.3	5.6	5.5	5.6	5.8	5.7	5.7
10	5.3	5.2	5.2	5.4	5.2	5.3	5.6	5.5	5.6	5.8	5.7	5.7
11	5.3	5.2	5.2	5.4	5.2	5.3	5.6	5.5	5.6	5.8	5.7	5.7
12	5.4	5.2	5.2	5.3	5.2	5.3	5.7	5.5	5.6	5.8	5.7	5.7
13	5.2	5.1	5.1	5.4	5.3	5.3	5.6	5.5	5.6	5.8	5.7	5.7
14	5.2	5.0	5.1	5.5	5.3	5.3	5.6	5.5	5.6	5.8	5.7	5.8
15	5.2	5.0	5.1	5.5	5.3	5.4	5.6	5.5	5.6	5.8	5.7	5.8
16	5.2	5.0	5.1	5.5	5.3	5.4	5.6	5.5	5.6	5.8	5.7	5.8
17	5.2	5.0	5.1	5.5	5.3	5.4	5.7	5.6	5.6	5.8	5.7	5.8
18	5.2	5.0	5.1	5.5	5.3	5.4	5.7	5.6	5.6	5.8	5.7	5.8
19	5.2	5.1	5.1	5.5	5.3	5.4	5.7	5.6	5.6	5.8	5.7	5.8
20	5.1	5.0	5.1	5.6	5.4	5.5	5.7	5.6	5.6	5.8	5.8	5.8
21	5.1	5.0	5.1	5.6	5.4	5.5	5.7	5.6	5.6	5.8	5.7	5.8
22	5.2	5.0	5.1	5.6	5.4	5.5	5.7	5.6	5.6	5.8	5.8	5.8
23	5.3	5.0	5.1	5.6	5.4	5.5	5.7	5.6	5.6	5.8	5.8	5.8
24	5.3	5.0	5.2	5.6	5.4	5.5	5.7	5.6	5.6	5.9	5.8	5.8
25	5.2	5.1	5.1	5.5	5.4	5.4	5.7	5.6	5.6	5.8	5.8	5.8
26	5.2	5.0	5.1	5.5	5.4	5.4	5.7	5.6	5.6	5.9	5.8	5.8
27	5.3	5.0	5.1	5.6	5.4	5.5	5.7	5.6	5.7	5.9	5.8	5.9
28	5.3	5.1	5.1	5.6	5.4	5.5	5.7	5.6	5.6	6.0	5.9	5.9
29	5.3	5.1	5.2	5.6	5.5	5.5	5.7	5.6	5.7	6.0	5.9	5.9
30	5.3	5.1	5.2	5.6	5.5	5.5	5.7	5.6	5.7	6.0	5.9	5.9
31	---	---	---	5.6	5.5	5.5	5.7	5.6	5.7	---	---	---
Month	5.6	5.0	5.2	5.6	5.1	5.4	5.7	5.5	5.6	6.0	5.6	5.8

	Max	Min	Mean
Year	6.9	4.5	5.8