



Water-Data Report 2009

14138870 FIR CREEK NEAR BRIGHTWOOD, OR

Lower Columbia Basin
Lower Columbia-Sandy Subbasin

LOCATION.--Lat 45°28'49", long 122°01'28" referenced to North American Datum of 1927, in NE ¼ SE ¼ sec.14, T.1 S., R.6 E., Multnomah County, OR, Hydrologic Unit 17080001, on right bank, 6.4 mi north of Brightwood and 0.6 mi upstream from Bull Run Reservoir Number One.

DRAINAGE AREA.--5.46 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1975 to current year.

REVISED RECORDS.--WDR OR-78-1: 1976. WDR OR-82-2: 1976(P), 1978-79(P), 1981, WDR OR-91-1: 1976, WDR OR-05-1: 2000-02.

GAGE.--Water-stage recorder. Elevation of gage is 1,440 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. No regulation or diversion upstream from station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--34 years (water years 1976-2009), 34.5 ft³/s, 85.84 in/yr, 24,990 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,690 ft³/s Nov. 25, 1999, gage height, 5.01 ft; minimum discharge, 1.4 ft³/s Sept. 5-7, 2003.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 12	2230	*1,200	*4.65
Dec 28	0830	443	3.71
Jan 1	2300	740	4.16
Jan 8	0700	423	3.68

Minimum discharge, 2.1 ft³/s, Sept. 28, gage height, 1.38 ft.

14138870 FIR CREEK NEAR BRIGHTWOOD, OR—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.7	6.1	25	334	24	36	63	35	27	6.8	3.7	2.5
2	4.4	9.8	60	379	22	52	146	56	24	6.5	3.7	2.4
3	5.9	11	51	134	21	49	101	65	22	6.3	3.6	2.4
4	16	33	37	77	23	40	62	65	20	6.1	3.5	2.4
5	18	29	29	109	26	39	53	126	19	5.9	3.4	2.6
6	20	100	23	220	29	35	53	156	21	5.9	3.4	6.3
7	42	86	30	275	28	30	63	154	17	5.8	4.6	6.7
8	25	53	35	304	26	27	69	100	15	5.7	4.0	4.1
9	18	46	30	165	23	23	68	68	14	5.6	3.7	3.2
10	15	61	25	96	21	21	78	57	13	5.5	3.4	2.9
11	12	144	22	88	19	18	59	56	12	5.3	3.4	2.8
12	10	383	22	122	18	17	84	54	12	5.8	5.5	2.7
13	9.3	353	22	102	16	16	147	52	12	9.5	4.3	2.6
14	8.8	124	19	72	16	18	82	131	11	6.7	3.9	2.6
15	7.9	66	16	63	15	44	58	83	10	5.8	3.7	2.5
16	7.5	48	15	62	14	48	50	63	9.6	5.4	3.5	2.5
17	7.2	36	14	62	14	47	53	61	9.0	5.3	3.4	3.2
18	6.8	29	14	52	13	48	54	61	8.6	5.1	3.3	2.7
19	6.4	25	13	42	12	44	54	74	12	5.1	3.2	3.1
20	11	28	12	36	12	63	63	60	15	4.9	3.2	3.3
21	13	29	e11	31	12	79	72	48	11	4.7	3.0	2.7
22	9.6	29	11	28	13	58	67	44	10	4.7	3.0	2.5
23	8.6	24	10	26	24	44	52	42	9.3	4.5	2.9	2.4
24	7.8	22	10	24	58	53	42	40	8.7	4.5	2.9	2.4
25	7.2	19	10	23	119	82	36	36	8.7	4.4	2.8	2.4
26	6.7	18	9.6	20	83	76	31	32	8.3	4.3	2.8	2.3
27	6.3	16	153	21	49	56	28	31	7.8	4.2	2.7	2.2
28	6.0	15	370	28	38	108	33	30	7.5	4.1	2.7	2.3
29	5.9	28	203	25	---	143	38	33	7.2	4.0	2.6	3.0
30	5.7	29	110	26	---	73	35	32	7.0	3.9	2.7	7.4
31	5.7	---	96	26	---	64	---	29	---	3.7	2.6	---
Total	338.4	1,899.9	1,507.6	3,072	788	1,551	1,894	1,974	388.7	166.0	105.1	93.1
Mean	10.9	63.3	48.6	99.1	28.1	50.0	63.1	63.7	13.0	5.35	3.39	3.10
Max	42	383	370	379	119	143	147	156	27	9.5	5.5	7.4
Min	4.4	6.1	9.6	20	12	16	28	29	7.0	3.7	2.6	2.2
Ac-ft	671	3,770	2,990	6,090	1,560	3,080	3,760	3,920	771	329	208	185
Cfsm	2.00	11.6	8.91	18.1	5.15	9.16	11.6	11.7	2.37	0.98	0.62	0.57
In.	2.31	12.94	10.27	20.93	5.37	10.57	12.90	13.45	2.65	1.13	0.72	0.63

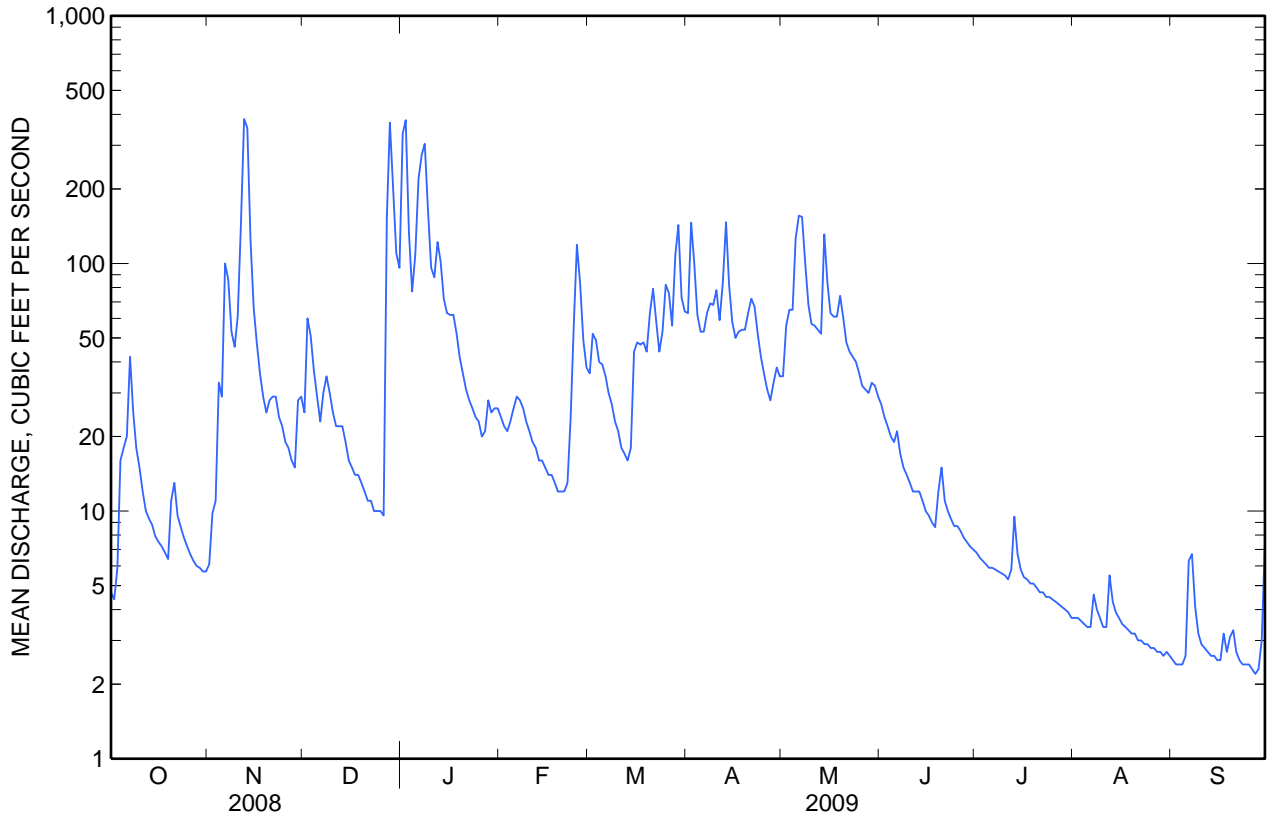
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	18.3	54.4	62.6	56.6	52.9	45.3	45.2	35.3	23.0	8.98	5.22	7.55
Max	44.8	110	133	101	126	91.5	73.2	89.3	64.8	27.3	13.4	27.7
(WY)	(1996)	(1996)	(1978)	(2006)	(1982)	(1997)	(1993)	(2008)	(2008)	(1983)	(2008)	(1977)
Min	1.97	6.09	15.3	15.8	15.0	14.0	22.2	14.6	3.80	3.50	2.13	2.40
(WY)	(1988)	(1994)	(1977)	(2001)	(2005)	(1992)	(2004)	(1992)	(1992)	(1992)	(2003)	(2001)

14138870 FIR CREEK NEAR BRIGHTWOOD, OR—Continued

SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1976 - 2009	
Annual total	15,358.2		13,777.8			
Annual mean	42.0		37.7		34.5	
Highest annual mean					53.5	1997
Lowest annual mean					19.6	2001
Highest daily mean	383	Nov 12	383	Nov 12	1,150	Nov 25, 1999
Lowest daily mean	4.2	Sep 19	2.2	Sep 27	1.4	Sep 6, 2003
Annual seven-day minimum	4.4	Sep 14	2.4	Sep 22	1.5	Aug 31, 2003
Annual runoff (ac-ft)	30,460		27,330		24,990	
Annual runoff (cfsm)	7.69		6.91		6.32	
Annual runoff (inches)	104.64		93.87		85.84	
10 percent exceeds	100		83		74	
50 percent exceeds	26		20		21	
90 percent exceeds	6.7		3.2		3.5	



14138870 FIR CREEK NEAR BRIGHTWOOD, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1977 to current year.

pH: August 1990 to September 1992.

WATER TEMPERATURE: October 1977 to current year.

TURBIDITY: August 1990 to September 1994.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Turbidity data prior to October 1990 are available in the files of the Portland Field Office.

SPECIFIC CONDUCTANCE: Records fair except those for January to March, which are poor. Cleaning correction for period Mar. 4-27 exceeds maximum allowable limits; records not published.

WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 49 microsiemens May 6, 1988, Aug. 13, 1990; minimum, 7 microsiemens Nov. 30, 1994.

pH: Maximum recorded, 7.7 units Sept. 13, 1990, but may have been higher during periods of missing record; minimum recorded, 5.0 units Sept. 5, 6, 8, 1991, but may have been lower during periods of missing record.

WATER TEMPERATURE: Maximum recorded, 16.0°C Sept. 1, 1987, June, 23, 24, July 18, 19, 1992, July 24, 2006; minimum, 0.0°C on several days during winter periods most years.

TURBIDITY: Maximum recorded, 11 NTU Nov. 25, 1991; minimum recorded, 0.04 NTU Feb. 15, 16, 1993.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 29 microsiemens on several days in August and September; minimum recorded, 11 microsiemens Nov. 12, Jan. 1, 2, 8, but may have been lower during periods of missing record.

WATER TEMPERATURE: Maximum, 15.9°C July 29; minimum, 0.0°C Dec. 20, 21, 27.

14138870 FIR CREEK 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	26	24	25	25	24	24	21	20	21	---	---	---
2	26	24	25	25	24	24	20	19	20	---	---	---
3	26	24	25	25	24	25	20	19	19	16	14	15
4	24	23	23	25	22	23	20	20	20	17	16	16
5	23	22	22	22	21	21	21	20	20	17	15	16
6	23	21	22	21	18	19	21	21	21	15	13	14
7	22	19	20	19	18	18	21	20	21	13	12	13
8	22	19	20	19	19	19	20	20	20	18	11	16
9	21	20	21	20	19	19	21	20	20	20	18	19
10	22	20	21	19	19	19	21	20	21	21	20	21
11	22	21	22	19	15	18	21	20	21	21	21	21
12	23	21	22	16	11	15	21	20	21	21	20	20
13	23	22	22	17	13	16	21	21	21	21	20	20
14	23	22	22	18	17	17	22	21	21	22	21	21
15	23	22	22	19	18	19	22	22	22	21	21	21
16	23	22	22	20	19	20	22	22	22	22	21	21
17	23	22	23	21	20	20	22	21	22	22	21	21
18	24	22	23	21	21	21	22	21	22	22	22	22
19	23	22	22	22	21	21	21	21	21	23	22	23
20	23	22	23	22	21	21	22	21	21	24	22	23
21	23	22	23	21	21	21	21	21	21	24	22	23
22	23	23	23	21	21	21	21	21	21	23	21	22
23	23	23	23	21	21	21	21	21	21	22	21	21
24	23	23	23	22	21	21	21	21	21	22	21	22
25	24	23	23	22	21	22	21	21	21	22	22	22
26	24	23	24	22	22	22	22	21	21	22	22	22
27	24	23	24	22	22	22	---	---	---	22	21	22
28	24	23	24	23	22	22	---	---	---	21	21	21
29	24	23	24	22	21	21	14	12	13	22	21	21
30	24	23	24	21	21	21	15	14	14	21	21	21
31	24	24	24	---	---	---	14	14	14	21	21	21
Month	26	19	23	25	11	20	---	---	---	---	---	---

14138870 FIR CREEK 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	22	20	21	19	16	16	22	22	22	22	21	22
2	21	20	20	19	13	16	22	21	21	21	19	20
3	21	20	21	19	13	17	22	21	22	20	19	20
4	21	20	20	---	---	---	23	22	22	20	19	20
5	21	20	20	---	---	---	23	23	23	19	18	18
6	20	20	20	---	---	---	23	23	23	19	17	18
7	20	20	20	---	---	---	23	22	22	19	18	18
8	20	19	20	---	---	---	22	21	22	20	19	19
9	21	20	20	---	---	---	22	21	22	20	19	20
10	21	19	20	---	---	---	22	21	21	21	20	20
11	20	20	20	---	---	---	22	21	22	21	20	20
12	20	20	20	---	---	---	22	19	21	21	20	20
13	21	20	20	---	---	---	20	19	20	21	20	21
14	21	20	20	---	---	---	21	20	21	20	17	18
15	21	20	21	---	---	---	22	21	21	20	18	19
16	20	20	20	---	---	---	22	22	22	20	19	20
17	20	20	20	---	---	---	22	22	22	20	19	20
18	20	20	20	---	---	---	22	21	22	20	19	19
19	21	20	20	---	---	---	22	21	22	19	18	19
20	21	20	20	---	---	---	22	20	21	20	19	19
21	21	19	20	---	---	---	21	20	20	20	19	19
22	20	19	19	---	---	---	20	20	20	19	19	19
23	19	17	18	---	---	---	21	20	21	19	19	19
24	17	15	16	---	---	---	22	21	21	19	19	19
25	17	13	14	---	---	---	22	21	22	19	19	19
26	15	14	14	---	---	---	22	22	22	20	19	19
27	18	15	16	---	---	---	23	22	22	20	19	20
28	19	16	17	22	18	20	23	21	22	20	19	20
29	---	---	---	24	19	21	22	21	22	20	19	19
30	---	---	---	23	21	22	22	21	22	19	19	19
31	---	---	---	23	22	22	---	---	---	19	19	19
Month	22	13	19	---	---	---	23	19	22	22	17	19

14138870 FIR CREEK 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	20	19	19	25	24	24	28	27	28	29	27	28
2	20	19	20	25	24	25	28	27	28	29	28	28
3	21	19	20	26	25	25	28	27	28	29	27	28
4	21	20	20	26	25	25	28	27	28	28	27	28
5	21	20	20	26	24	25	28	26	27	29	27	28
6	21	20	20	25	24	25	28	26	27	28	25	27
7	21	20	21	26	24	25	28	27	27	28	27	27
8	22	21	21	26	24	25	28	26	27	28	27	28
9	22	20	21	26	25	26	28	27	28	28	27	28
10	21	20	21	26	25	26	28	27	28	28	28	28
11	22	21	21	26	25	26	28	27	28	29	28	28
12	22	21	22	26	26	26	28	26	27	29	28	28
13	23	21	22	26	24	25	27	26	27	29	27	28
14	23	21	22	26	25	25	27	26	27	28	27	28
15	22	22	22	26	25	26	27	26	27	28	27	28
16	23	22	22	26	25	26	28	27	27	29	27	28
17	23	22	23	26	25	26	28	27	28	28	27	28
18	24	22	23	26	25	26	29	27	28	28	27	28
19	24	22	22	26	25	26	29	28	28	28	27	27
20	22	21	22	26	25	26	29	28	29	28	27	27
21	22	22	22	27	25	26	29	27	28	28	27	27
22	23	22	22	27	25	26	28	27	28	28	27	27
23	23	22	23	26	25	26	28	27	27	27	26	27
24	23	23	23	27	25	26	28	27	28	27	26	27
25	24	23	23	27	25	27	28	26	27	27	26	27
26	24	23	23	27	26	27	28	27	28	27	26	27
27	24	23	24	28	26	27	29	28	28	27	26	27
28	24	23	24	28	27	27	29	27	28	27	26	27
29	24	24	24	28	27	28	29	27	28	27	25	26
30	25	24	24	28	27	28	29	27	28	26	25	26
31	---	---	---	28	27	28	29	27	28	---	---	---
Month	25	19	22	28	24	26	29	26	28	29	25	27

14138870 FIR CREEK 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	10.9	9.7	10.3	8.2	7.6	7.8	6.9	6.4	6.6	4.0	3.1	3.6
2	10.5	10.1	10.4	8.0	7.5	7.9	6.9	6.9	6.9	4.1	3.3	3.8
3	10.3	9.9	10.1	7.5	7.1	7.4	6.9	6.1	6.7	4.1	3.5	3.8
4	9.9	9.5	9.8	7.1	5.4	6.4	6.1	4.8	5.4	3.8	2.7	3.4
5	9.5	8.9	9.1	6.1	5.4	5.8	5.1	4.6	4.9	4.1	2.7	3.5
6	9.5	8.9	9.2	7.1	5.9	6.5	5.1	4.8	5.0	4.5	4.0	4.2
7	9.5	8.2	9.0	7.5	7.1	7.3	5.7	4.9	5.4	4.5	4.3	4.4
8	8.2	7.3	7.6	7.6	7.3	7.5	5.6	5.1	5.3	4.5	4.2	4.3
9	7.3	6.6	7.1	7.3	7.1	7.2	5.2	4.6	4.9	4.3	4.0	4.1
10	6.8	6.4	6.6	7.1	6.8	6.9	5.7	5.1	5.4	4.5	4.0	4.3
11	6.4	5.4	5.8	7.6	6.6	7.0	5.7	5.2	5.5	4.5	4.3	4.5
12	6.2	5.4	5.8	8.6	7.6	8.1	5.2	4.2	4.8	4.6	4.3	4.5
13	7.1	6.1	6.5	8.4	6.6	7.4	4.2	2.7	3.3	4.5	4.2	4.3
14	7.1	6.4	7.0	6.8	6.4	6.6	3.2	1.0	2.3	4.3	4.2	4.2
15	6.4	5.6	5.9	7.3	6.8	7.0	1.0	0.4	0.6	4.5	4.2	4.3
16	6.9	6.1	6.5	7.1	6.9	7.0	0.9	0.4	0.6	4.3	4.2	4.2
17	7.3	6.8	7.0	7.3	6.9	7.1	1.3	0.9	1.1	4.2	3.8	4.2
18	7.6	6.9	7.5	7.1	6.8	6.9	1.8	1.0	1.4	3.8	3.2	3.5
19	6.9	5.7	6.2	6.9	6.6	6.8	1.7	0.8	1.4	3.4	3.1	3.2
20	6.9	6.4	6.7	6.6	6.1	6.3	1.8	0.0	1.2	3.4	3.0	3.2
21	6.6	6.2	6.4	6.2	5.6	5.9	0.9	0.0	0.2	3.8	3.2	3.5
22	6.2	5.7	6.0	6.1	5.2	5.8	1.7	0.5	1.1	4.0	3.5	3.8
23	6.4	5.9	6.2	5.2	4.9	5.1	2.4	1.7	2.1	3.8	3.4	3.7
24	6.1	5.4	5.7	5.6	4.9	5.3	2.4	1.2	1.9	3.7	3.2	3.4
25	6.1	5.4	5.8	5.7	5.4	5.5	2.2	1.2	1.9	3.2	2.4	2.9
26	6.4	5.9	6.2	5.6	4.9	5.1	2.4	1.7	2.1	2.4	1.4	1.7
27	6.8	6.2	6.4	5.2	4.5	4.9	2.8	0.0	1.0	2.5	1.3	1.8
28	6.9	6.6	6.7	6.1	5.2	5.7	4.1	2.8	3.4	3.1	2.5	2.9
29	6.8	6.2	6.5	6.8	6.1	6.4	4.3	3.7	4.1	3.5	3.1	3.2
30	7.5	6.6	6.9	6.9	6.4	6.7	4.5	4.1	4.4	3.5	3.2	3.3
31	7.8	7.5	7.6	---	---	---	4.3	4.0	4.2	3.5	3.1	3.4
Month	10.9	5.4	7.2	8.6	4.5	6.6	6.9	0.0	3.4	4.6	1.3	3.6

14138870 FIR CREEK 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	3.4	2.8	3.1	3.8	3.4	3.6	3.6	3.2	3.4	6.0	4.3	5.2
2	3.5	3.2	3.4	4.2	3.7	3.9	3.8	3.4	3.6	5.4	4.6	5.1
3	3.5	3.2	3.4	4.0	3.7	3.8	3.5	2.9	3.4	5.2	4.1	4.6
4	3.5	3.4	3.4	4.0	3.4	3.7	4.1	3.4	3.7	4.9	4.1	4.6
5	4.0	3.4	3.7	3.7	2.7	3.2	4.7	3.8	4.2	4.6	4.0	4.3
6	4.0	3.7	3.9	3.4	3.0	3.2	4.9	3.8	4.3	4.6	4.0	4.2
7	3.8	3.4	3.6	3.2	1.4	2.9	4.9	3.8	4.3	4.6	4.0	4.3
8	3.7	3.2	3.5	2.4	1.0	1.8	4.4	4.1	4.2	5.4	4.0	4.7
9	3.5	2.4	3.1	2.4	1.1	1.9	4.6	4.0	4.3	6.0	4.3	5.1
10	2.7	2.1	2.4	2.7	1.8	2.3	4.4	3.6	4.0	6.2	4.7	5.4
11	2.8	2.4	2.6	2.6	1.9	2.3	4.6	4.0	4.2	6.0	5.3	5.6
12	2.7	2.0	2.4	2.5	1.9	2.2	4.4	3.5	4.2	5.5	4.4	4.6
13	2.8	2.4	2.6	3.1	2.4	2.7	3.5	2.6	3.2	5.0	4.0	4.6
14	2.7	2.4	2.6	3.1	2.8	2.9	3.5	2.8	3.2	5.1	4.7	4.9
15	2.8	2.4	2.6	3.1	2.6	2.9	4.1	3.5	3.8	6.1	4.2	5.2
16	3.1	2.7	2.9	3.4	2.8	3.1	4.9	3.6	4.3	7.1	5.0	6.0
17	3.4	3.0	3.2	3.6	3.2	3.4	4.7	4.2	4.4	7.3	5.3	6.3
18	3.3	2.8	3.1	4.2	3.6	3.9	5.2	3.8	4.4	7.5	5.5	6.5
19	3.4	2.8	3.2	4.1	3.8	4.0	5.5	4.0	4.7	6.5	5.1	5.6
20	3.3	2.8	3.1	4.0	3.6	3.9	5.7	4.1	4.8	6.1	4.8	5.4
21	3.5	2.8	3.2	4.1	3.5	3.8	5.5	4.0	4.7	7.1	5.0	6.1
22	3.8	3.2	3.5	3.8	2.9	3.4	4.7	4.0	4.4	7.7	5.6	6.7
23	3.8	3.4	3.6	3.8	3.1	3.4	4.4	3.6	4.0	7.8	6.0	6.9
24	3.7	3.4	3.5	4.0	3.5	3.7	4.9	3.5	4.1	7.7	6.0	6.9
25	3.7	2.5	3.5	3.8	3.1	3.5	4.4	4.0	4.2	7.8	6.0	6.9
26	3.1	2.4	2.7	4.4	3.6	3.9	5.0	4.0	4.5	8.0	6.3	7.1
27	3.1	2.4	2.8	4.2	3.6	4.0	4.7	3.8	4.4	8.4	6.6	7.5
28	3.4	3.0	3.2	4.1	2.8	3.8	4.7	4.1	4.5	9.0	6.6	7.9
29	---	---	---	3.6	2.6	3.1	4.7	3.8	4.3	9.3	7.3	8.4
30	---	---	---	4.0	3.4	3.7	5.2	3.8	4.5	9.5	7.5	8.6
31	---	---	---	3.8	3.2	3.6	---	---	---	9.7	7.5	8.7
Month	4.0	2.0	3.1	4.4	1.0	3.3	5.7	2.6	4.1	9.7	4.0	5.9

14138870 FIR CREEK 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	10.1	8.0	9.0	11.7	9.2	10.5	15.5	14.5	15.1	13.2	11.6	12.1
2	9.1	8.4	8.8	12.6	10.0	11.4	15.5	14.2	14.9	13.2	11.4	12.1
3	9.9	8.4	9.2	13.0	11.0	12.0	15.2	13.8	14.6	13.0	11.7	12.2
4	10.1	8.8	9.4	13.2	11.2	12.3	14.7	13.5	14.1	12.6	11.3	11.9
5	9.5	8.6	8.9	13.2	11.5	12.3	14.5	13.0	13.7	12.1	11.5	11.8
6	8.6	8.2	8.3	12.3	10.8	11.2	13.3	12.1	12.7	11.5	10.6	11.0
7	8.2	7.8	8.1	11.2	10.2	10.7	12.1	11.3	11.6	10.8	10.2	10.5
8	9.1	7.7	8.3	10.8	10.0	10.3	11.7	11.0	11.3	10.4	9.4	10.0
9	10.1	8.0	9.0	11.0	9.4	10.2	12.1	11.5	11.8	11.3	10.0	10.5
10	9.5	8.8	9.1	11.6	9.9	10.8	12.6	11.3	12.0	11.9	10.4	11.1
11	9.3	8.8	9.0	12.5	10.7	11.6	13.0	11.9	12.4	12.6	11.0	11.6
12	9.9	8.8	9.2	11.8	10.3	11.0	12.8	12.1	12.5	13.0	11.5	12.1
13	9.3	9.0	9.1	10.3	9.9	10.1	12.3	11.7	12.0	13.3	12.1	12.3
14	9.3	9.0	9.1	11.8	9.9	10.8	11.7	11.0	11.3	12.3	11.9	12.2
15	10.3	8.8	9.5	12.2	10.3	11.3	11.0	10.6	10.8	13.1	11.6	12.2
16	10.3	9.1	9.8	12.9	10.9	11.9	11.7	10.6	11.0	13.1	11.8	12.2
17	10.3	9.5	10	13.4	11.6	12.5	12.3	10.6	11.5	12.2	11.4	11.8
18	10.9	9.5	10.2	13.4	11.8	12.7	13.2	11.4	12.2	12.0	10.7	11.3
19	10.5	9.7	10.1	13.1	11.6	12.4	13.6	12.0	12.8	11.4	10.7	11.1
20	9.7	9.1	9.3	13.6	11.4	12.6	14.1	12.7	13.2	11.1	10.1	10.5
21	9.1	8.5	8.8	14.1	12.2	13.2	13.2	12.5	12.8	11.1	9.9	10.3
22	9.2	8.1	8.7	13.8	12.5	13.2	13.6	12.2	12.7	11.8	10.3	10.8
23	10.2	7.7	9.0	13.1	11.8	12.3	12.5	11.4	12.0	12.0	10.7	11.2
24	11.0	8.7	9.9	12.9	11.1	12.1	12.2	10.5	11.3	11.6	10.9	11.1
25	10.4	9.4	9.7	13.4	11.8	12.6	11.6	10.7	11.2	11.6	10.1	10.7
26	10.6	8.8	9.7	14.1	12.5	13.3	12.2	10.5	11.2	11.4	10.1	10.4
27	11.0	8.7	9.9	14.8	13.1	14.0	12.9	10.9	11.7	11.0	9.4	10.0
28	11.5	9.4	10.4	15.6	13.8	14.7	13.2	11.6	12.1	10.0	9.4	9.8
29	11.2	9.2	10.3	15.9	14.3	15.1	12.2	11.8	11.9	9.6	8.8	9.2
30	11.2	9.2	10.2	15.8	14.2	15.2	12.9	11.2	11.8	8.8	8.5	8.5
31	---	---	---	15.8	14.2	15.2	13.2	11.4	12.1	---	---	---
Month	11.5	7.7	9.3	15.9	9.2	12.2	15.5	10.5	12.3	13.3	8.5	11.1

	Max	Min	Mean
Year	15.9	0.0	6.9