



Water-Data Report 2008

## 14138850 BULL RUN RIVER NEAR MULTNOMAH FALLS, OR

Lower Columbia Basin  
Lower Columbia-Sandy Subbasin

LOCATION.--Lat 45°29'54", long 122°00'40" referenced to North American Datum of 1927, in sec.12, T.1 S., R.63 E., Multnomah County, OR, Hydrologic Unit 17080001, Mount Hood National Forest, on right bank, 1.2 mi upstream from North Fork, 7.0 mi southeast of Multnomah Falls and at mile 14.8.

DRAINAGE AREA.--47.90 mi<sup>2</sup>.

### SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1966 to current year.

REVISED RECORDS.--WDR OR-91-I: 1990.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,080 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except those for the period Jan. 28 to Mar. 8, which are fair. Regulation at times since 1915 by Bull Run Lake (station 14138560). No diversion upstream from station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--42 years (water years 1967-2008), 404 ft<sup>3</sup>/s, 114.55 in/yr, 292,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,800 ft<sup>3</sup>/s Nov. 25, 1999, gage height, 14.46 ft; minimum discharge, 30 ft<sup>3</sup>/s Oct. 28-31, 1987.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,800 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Dec 3	1900	*3,870	*9.45
No other peak greater than base discharge			

Minimum discharge, 56 ft<sup>3</sup>/s, Sept. 17-20, gage height, 2.62 ft.

## 14138850 BULL RUN RIVER NEAR MULTNOMAH FALLS, OR—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	247	110	204	251	e185	828	224	629	824	590	136	107
2	185	103	472	253	178	625	215	546	739	531	150	97
3	513	96	3,150	337	163	485	212	584	1,010	502	115	90
4	557	92	2,720	446	150	420	217	622	1,280	454	104	85
5	287	88	1,340	441	151	359	244	729	958	408	97	82
6	198	84	1,040	356	162	320	345	819	1,580	388	93	79
7	200	81	776	301	248	293	412	698	1,610	357	90	76
8	259	78	543	309	352	327	382	608	1,040	337	87	72
9	192	85	408	380	737	350	339	528	884	331	88	70
10	165	273	331	1,220	667	379	451	519	1,380	313	84	68
11	168	178	279	2,160	632	830	462	759	1,380	281	80	66
12	140	516	246	1,600	495	686	543	717	953	262	77	64
13	121	714	224	1,240	519	967	751	645	808	250	74	63
14	108	393	206	827	418	1,010	788	1,180	766	238	72	61
15	99	336	220	729	348	738	607	1,380	701	225	69	59
16	109	852	200	538	316	577	495	1,930	673	212	67	59
17	187	2,180	218	427	300	507	439	2,090	659	196	66	58
18	416	1,220	340	352	292	1,550	403	1,880	602	182	67	57
19	1,100	732	740	310	284	1,110	357	1,540	566	168	78	57
20	1,460	503	793	279	282	726	311	1,620	611	158	400	57
21	1,290	384	480	241	295	559	283	1,770	679	149	636	69
22	628	300	453	222	302	445	273	1,370	648	142	321	84
23	419	250	1,520	205	300	509	292	1,040	563	135	211	66
24	314	222	1,550	192	310	692	348	999	513	126	165	66
25	261	196	749	183	429	517	367	1,080	512	122	154	160
26	216	181	528	191	459	437	342	1,070	506	117	131	94
27	183	214	407	192	428	371	402	998	503	115	146	77
28	160	195	366	176	428	327	645	956	624	110	134	69
29	143	272	400	e170	505	290	993	984	663	106	116	65
30	129	244	385	e160	---	256	807	888	643	126	106	61
31	118	---	292	e190	---	238	---	853	---	106	104	---
<b>Total</b>	10,572	11,172	21,580	14,878	10,335	17,728	12,949	32,031	24,878	7,737	4,318	2,238
<b>Mean</b>	341	372	696	480	356	572	432	1,033	829	250	139	74.6
<b>Max</b>	1,460	2,180	3,150	2,160	737	1,550	993	2,090	1,610	590	636	160
<b>Min</b>	99	78	200	160	150	238	212	519	503	106	66	57
<b>Ac-ft</b>	20,970	22,160	42,800	29,510	20,500	35,160	25,680	63,530	49,350	15,350	8,560	4,440
<b>Cfsm</b>	7.12	7.77	14.5	10.0	7.44	11.9	9.01	21.6	17.3	5.21	2.91	1.56
<b>In.</b>	8.21	8.68	16.76	11.55	8.03	13.77	10.06	24.88	19.32	6.01	3.35	1.74

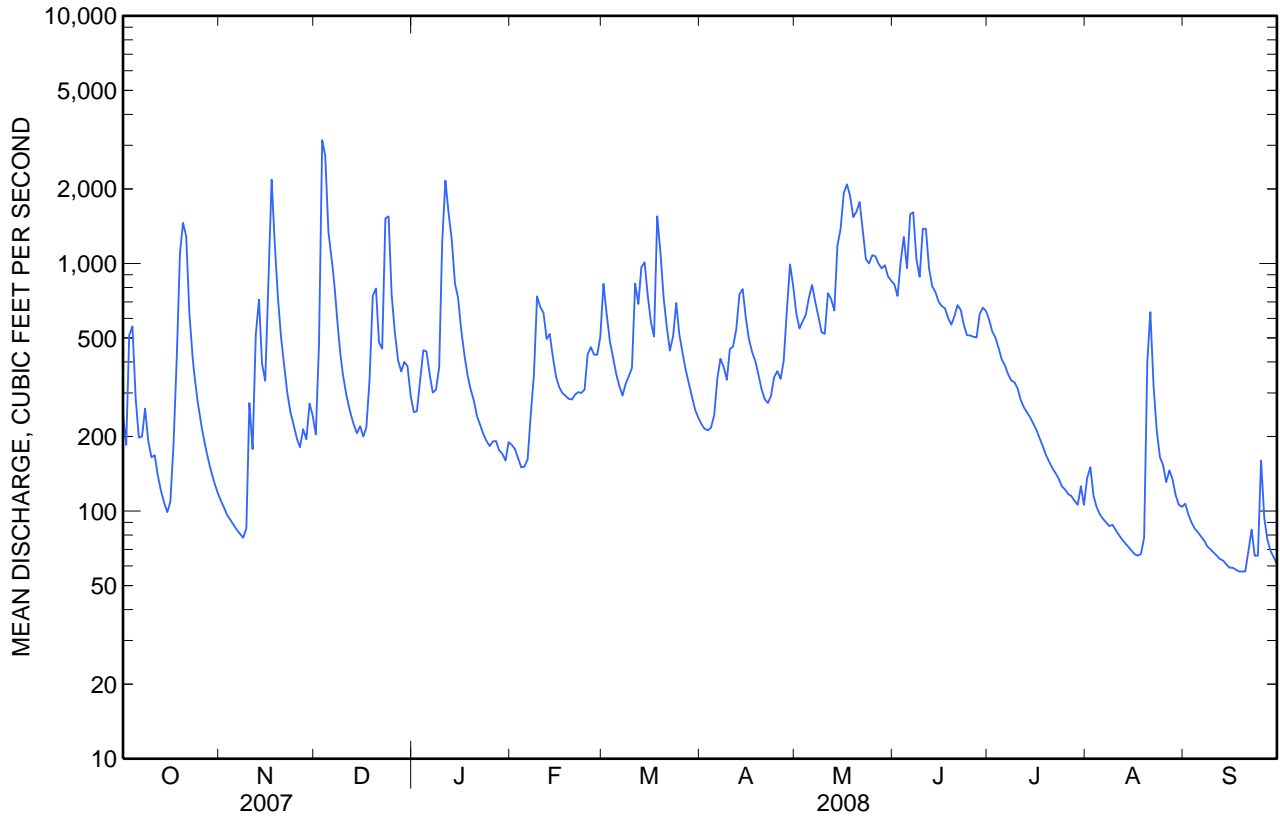
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	236	603	704	682	585	507	504	440	288	114	81.7	113
<b>Max</b>	535	1,325	1,434	1,238	1,216	1,120	834	1,033	829	292	231	294
<b>(WY)</b>	(1968)	(1996)	(1978)	(1975)	(1996)	(1972)	(1993)	(2008)	(2008)	(1983)	(1968)	(1977)
<b>Min</b>	36.5	72.4	193	177	167	148	242	150	54.8	54.0	43.7	39.9
<b>(WY)</b>	(1988)	(1994)	(1977)	(1985)	(1993)	(1992)	(1967)	(1992)	(1992)	(1977)	(1967)	(2001)

14138850 BULL RUN RIVER NEAR MULTNOMAH FALLS, OR—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1967 - 2008	
<b>Annual total</b>	122,371		170,416			
<b>Annual mean</b>	335		466		404	
<b>Highest annual mean</b>					643	1974
<b>Lowest annual mean</b>					249	1977
<b>Highest daily mean</b>	3,150	Dec 3	3,150	Dec 3	11,900	Nov 25, 1999
<b>Lowest daily mean</b>	39	Sep 25	57	Sep 18	30	Oct 29, 1987
<b>Annual seven-day minimum</b>	40	Sep 21	58	Sep 14	31	Oct 25, 1987
<b>Annual runoff (ac-ft)</b>	242,700		338,000		292,600	
<b>Annual runoff (cfsm)</b>	7.00		9.72		8.43	
<b>Annual runoff (inches)</b>	95.04		132.35		114.55	
<b>10 percent exceeds</b>	721		1,010		853	
<b>50 percent exceeds</b>	212		331		258	
<b>90 percent exceeds</b>	47		84		57	



**14138850 BULL RUN RIVER NEAR MULTNOMAH FALLS, 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 July 1994.  
SUSPENDED SEDIMENT DISCHARGE: October 1977 to September 1986.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--

SPECIFIC CONDUCTANCE: Records good.  
WATER TEMPERATURE: Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 44 microsiemens Sept. 17, 1988; minimum, 8 microsiemens Dec. 13, 14, 2006.  
pH: Maximum, 8.1 units Aug. 30, Sept. 1, 1990; minimum, 5.7 units Jan. 18, 1991.  
WATER TEMPERATURE: Maximum, 18.0°C June 22-25, 1992, July 23, 1994; minimum, -0.1°C Feb. 17, 18, 2006, Jan. 24, 2008.  
TURBIDITY: Maximum, 44 NTU Jan. 15, 1991; minimum, 0.08 NTU Aug. 30, 31, 1992.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 29 microsiemens Sept. 17, 20, 24; minimum, 13 microsiemens Dec. 3.  
WATER TEMPERATURE: Maximum, 15.7°C Aug. 15-17; minimum recorded, -0.1°C Jan. 24.

## 14138850 BULL RUN RIVER NEAR MULTNOMAH FALLS, OR—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	25	22	23	23	22	23	20	20	20	20	19	20
2	25	21	23	23	23	23	20	16	19	20	20	20
3	21	19	20	23	23	23	16	13	15	20	19	19
4	19	19	19	24	23	23	15	14	15	19	18	18
5	20	19	20	24	23	24	18	15	17	18	18	18
6	21	20	20	24	23	24	18	16	17	19	18	18
7	21	21	21	24	24	24	17	16	17	19	19	19
8	21	20	20	24	24	24	18	17	18	19	18	19
9	21	21	21	24	24	24	19	18	18	19	18	18
10	22	21	21	24	20	22	19	19	19	18	16	17
11	22	21	21	22	21	22	20	19	19	17	16	16
12	22	22	22	22	18	21	20	20	20	17	16	16
13	23	22	23	18	17	17	20	20	20	17	16	17
14	23	23	23	19	18	18	20	20	20	18	17	17
15	23	23	23	20	18	19	20	20	20	18	17	17
16	23	23	23	25	16	19	21	20	20	18	18	18
17	23	21	22	17	14	15	20	20	20	19	18	18
18	21	19	20	16	14	16	20	18	19	19	19	19
19	19	18	18	17	16	16	18	16	17	20	19	19
20	18	15	17	17	17	17	17	16	17	20	19	20
21	18	15	17	21	17	19	18	17	18	21	20	20
22	19	18	19	22	19	20	18	17	18	21	20	21
23	20	19	19	21	19	20	17	14	16	21	21	21
24	20	20	20	23	19	21	16	14	16	21	21	21
25	20	20	20	24	19	21	17	16	17	22	21	21
26	21	20	21	23	19	22	18	17	18	21	20	21
27	21	21	21	24	20	21	19	18	18	21	20	21
28	22	21	22	21	20	20	19	18	18	21	21	21
29	22	22	22	20	19	20	19	18	18	---	---	---
30	23	22	22	20	19	19	19	18	19	---	---	---
31	23	22	23	---	---	---	20	19	19	---	---	---
Month	25	15	21	25	14	21	21	13	18	---	---	---

## 14138850 BULL RUN RIVER NEAR MULTNOMAH FALLS, OR—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	18	18	18	25	21	22	20	19	19
2	21	20	21	19	18	18	24	21	22	20	19	20
3	21	21	21	19	18	19	24	21	22	20	19	20
4	21	21	21	19	19	19	26	21	22	20	19	19
5	23	21	21	20	19	19	23	21	22	20	18	19
6	23	21	22	20	19	19	22	20	21	19	19	19
7	21	20	21	20	19	20	21	20	20	19	19	19
8	20	19	20	21	19	20	22	20	21	20	19	19
9	19	19	19	20	19	19	22	20	21	20	19	20
10	19	18	19	21	19	19	22	19	21	20	19	20
11	19	18	19	23	18	20	22	19	20	20	18	18
12	19	19	19	22	19	20	23	19	20	19	18	19
13	19	19	19	23	17	18	19	19	19	19	18	19
14	19	19	19	18	17	17	19	19	19	19	17	18
15	---	---	---	18	17	18	19	19	19	18	17	18
16	---	---	---	18	18	18	20	19	20	18	17	17
17	---	---	---	19	18	18	20	20	20	18	16	17
18	---	---	---	18	16	17	20	20	20	18	17	17
19	---	---	---	18	17	17	20	20	20	17	16	16
20	---	---	---	19	18	18	20	20	20	16	15	16
21	---	---	---	20	19	19	21	20	20	16	15	16
22	---	---	---	20	19	20	---	---	---	17	16	16
23	20	20	20	20	18	20	---	---	---	17	17	17
24	20	19	20	19	18	19	---	---	---	18	16	17
25	20	19	19	20	19	19	---	---	---	17	16	17
26	19	19	19	20	19	20	---	---	---	17	17	17
27	19	19	19	20	20	20	---	---	---	18	17	17
28	19	19	19	21	20	20	---	---	---	17	17	17
29	19	18	19	21	20	21	19	18	18	17	17	17
30	---	---	---	21	20	21	19	18	19	18	17	17
31	---	---	---	21	21	21	---	---	---	18	17	17
Month	---	---	---	23	16	19	---	---	---	20	15	18

## 14138850 BULL RUN RIVER NEAR MULTNOMAH FALLS, OR—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	18	17	17	16	15	15	24	21	23	24	24	24
2	18	17	17	16	15	16	23	22	22	24	24	24
3	17	16	17	16	15	16	24	22	23	25	24	25
4	16	16	16	17	16	16	24	23	23	25	25	25
5	17	16	17	17	17	17	26	23	24	26	25	25
6	17	15	16	17	17	17	26	23	25	26	25	26
7	17	15	16	19	17	17	26	24	25	26	26	26
8	17	16	16	18	17	18	26	25	25	27	26	26
9	17	15	16	20	17	18	26	24	25	27	26	26
10	16	14	15	18	17	18	26	25	25	26	26	26
11	16	14	15	19	18	18	26	25	26	27	26	26
12	16	16	16	19	19	19	26	26	26	27	26	26
13	17	16	16	19	19	19	27	26	26	27	26	26
14	17	16	16	19	19	19	27	26	27	28	26	27
15	17	16	16	20	19	19	27	26	27	28	26	28
16	17	16	16	21	19	20	28	26	27	28	26	28
17	17	16	16	21	20	20	28	27	28	29	28	28
18	17	16	17	21	20	21	28	27	27	28	27	28
19	18	16	17	21	21	21	27	26	27	28	28	28
20	17	16	17	22	21	22	26	19	22	29	28	28
21	16	16	16	24	21	22	19	17	18	28	27	28
22	16	16	16	22	21	22	19	18	18	27	25	26
23	17	16	17	22	21	22	21	19	20	28	27	27
24	18	17	17	23	22	22	22	20	21	29	26	28
25	18	17	17	23	22	22	23	21	22	27	23	24
26	17	17	17	23	22	23	23	22	23	26	24	25
27	18	17	17	23	22	23	24	22	23	27	26	26
28	17	15	16	24	22	23	24	23	23	27	27	27
29	16	14	16	24	23	23	25	24	24	28	27	27
30	16	14	15	24	22	23	25	24	24	28	27	28
31	---	---	---	24	23	24	25	24	24	---	---	---
Month	18	14	16	24	15	20	28	17	24	29	23	26

## 14138850 BULL RUN RIVER NEAR MULTNOMAH FALLS, OR—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
<b>1</b>	9.4	8.8	9.1	6.3	5.9	6.0	3.8	2.8	3.3	2.6	2.4	2.5
<b>2</b>	9.4	9.0	9.2	5.9	4.8	5.2	4.1	2.9	3.3	3.3	2.4	2.8
<b>3</b>	9.4	8.0	8.7	5.6	4.8	5.1	5.5	4.1	4.8	3.7	3.1	3.4
<b>4</b>	8.2	7.7	7.9	6.4	5.6	6.0	6.0	5.5	5.9	4.2	3.4	3.8
<b>5</b>	7.9	7.3	7.5	6.6	6.1	6.4	6.0	5.5	5.7	3.9	3.3	3.6
<b>6</b>	7.9	6.9	7.4	6.6	5.9	6.2	5.7	5.1	5.5	3.3	2.7	3.2
<b>7</b>	9.0	7.9	8.3	6.3	5.9	6.1	5.1	4.8	5.0	2.7	2.3	2.5
<b>8</b>	9.4	8.4	8.9	6.8	6.3	6.5	4.8	3.7	4.4	2.7	1.5	1.9
<b>9</b>	9.4	9.0	9.1	7.5	6.8	7.0	3.7	3.2	3.5	3.2	1.7	2.6
<b>10</b>	9.2	9.0	9.1	8.1	6.4	7.5	3.7	3.2	3.6	3.3	2.5	3.0
<b>11</b>	9.1	8.1	8.5	6.8	6.3	6.5	3.2	2.5	2.9	3.8	3.2	3.6
<b>12</b>	8.9	8.3	8.6	7.5	5.9	6.5	3.8	3.1	3.5	4.1	3.8	3.9
<b>13</b>	8.9	8.1	8.5	7.0	5.6	6.6	4.2	3.7	3.9	4.1	3.6	3.9
<b>14</b>	9.1	8.1	8.5	6.1	5.4	5.7	4.3	3.7	4.0	4.0	3.0	3.6
<b>15</b>	9.1	8.7	8.9	7.7	6.1	7.1	4.5	4.2	4.3	3.2	2.7	3.0
<b>16</b>	9.1	8.0	8.5	8.1	7.7	7.9	4.3	3.8	4.1	3.0	2.0	2.5
<b>17</b>	8.0	7.2	7.5	8.6	7.9	8.2	4.3	4.0	4.1	3.0	2.3	2.6
<b>18</b>	8.7	7.0	7.6	7.9	5.5	6.8	4.8	4.0	4.3	3.0	2.3	2.7
<b>19</b>	8.7	7.6	8.4	5.7	5.2	5.5	4.8	3.8	4.6	3.0	1.9	2.5
<b>20</b>	7.6	6.9	7.2	5.5	5.0	5.4	3.8	2.9	3.3	3.2	2.0	2.7
<b>21</b>	8.1	7.4	7.7	5.2	4.4	4.9	3.8	3.0	3.5	2.0	0.4	0.8
<b>22</b>	8.3	7.0	7.8	4.4	3.6	3.9	3.8	3.5	3.6	0.8	0.4	0.5
<b>23</b>	9.3	8.0	8.5	3.6	3.0	3.3	4.2	3.6	3.9	0.6	0.3	0.5
<b>24</b>	9.1	8.1	8.4	4.3	3.0	3.6	3.9	3.4	3.8	0.4	-0.1	0.2
<b>25</b>	8.1	6.3	7.0	4.1	3.0	3.7	3.9	3.1	3.6	1.0	0.1	0.5
<b>26</b>	6.3	5.7	5.8	3.5	2.8	3.1	3.1	2.1	2.5	1.6	0.3	1.3
<b>27</b>	6.3	5.7	5.9	4.3	3.5	4.0	2.7	1.8	2.4	1.4	0.0	0.6
<b>28</b>	6.7	5.8	6.1	4.4	3.1	4.1	2.7	1.8	2.4	1.5	1.0	1.3
<b>29</b>	7.2	6.3	6.7	3.6	2.6	3.2	3.4	2.7	3.1	---	---	---
<b>30</b>	7.2	6.6	6.9	4.3	3.5	3.9	3.3	2.1	2.5	---	---	---
<b>31</b>	6.6	5.3	5.8	---	---	---	2.7	2.1	2.6	---	---	---
<b>Month</b>	9.4	5.3	7.9	8.6	2.6	5.5	6.0	1.8	3.8	---	---	---



## 14138850 BULL RUN RIVER NEAR MULTNOMAH FALLS, OR—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
<b>1</b>	---	---	---	4.0	3.2	3.4	3.8	2.0	2.9	5.8	3.6	4.4
<b>2</b>	1.2	0.2	0.7	4.0	3.2	3.5	4.4	2.5	3.2	6.2	4.1	4.9
<b>3</b>	1.8	0.8	1.4	3.4	2.9	3.2	4.6	2.8	3.5	4.8	4.2	4.4
<b>4</b>	1.8	1.4	1.6	3.8	3.0	3.3	3.8	3.0	3.3	7.0	3.6	4.9
<b>5</b>	1.6	0.7	1.4	3.8	2.8	3.2	3.8	2.3	3.1	7.2	3.8	5.1
<b>6</b>	2.2	0.6	1.5	4.1	2.9	3.5	4.1	3.4	3.6	4.8	3.8	4.3
<b>7</b>	2.1	1.0	1.5	4.1	3.2	3.7	3.5	2.5	3.1	4.7	4.1	4.4
<b>8</b>	2.5	1.8	2.3	4.6	3.6	4.1	4.1	2.8	3.5	4.7	3.9	4.3
<b>9</b>	2.5	1.8	2.2	4.4	3.2	3.7	4.4	3.5	3.9	6.7	3.9	4.9
<b>10</b>	2.8	2.4	2.5	4.9	3.8	4.3	4.3	3.5	3.8	5.8	4.2	4.9
<b>11</b>	2.8	2.4	2.5	4.6	3.6	3.9	5.6	3.2	4.1	5.2	4.1	4.5
<b>12</b>	3.2	2.4	2.9	4.6	3.2	3.8	6.2	3.6	4.6	5.3	3.9	4.5
<b>13</b>	3.1	2.6	2.8	4.0	3.4	3.6	5.7	3.5	4.4	5.0	4.1	4.6
<b>14</b>	3.1	2.6	2.9	4.0	2.9	3.6	4.3	3.1	3.8	5.0	4.2	4.6
<b>15</b>	3.7	2.6	3.1	3.8	2.8	3.2	3.4	2.7	3.1	7.2	3.9	5.1
<b>16</b>	3.7	3.1	3.4	4.1	3.2	3.6	4.5	3.1	3.7	6.5	4.2	5.1
<b>17</b>	3.5	2.8	3.1	4.0	3.0	3.5	4.8	3.8	4.3	6.9	4.1	5.0
<b>18</b>	3.4	2.8	3.1	3.8	3.2	3.5	4.5	3.1	3.9	6.9	4.1	5.0
<b>19</b>	3.7	2.8	3.2	4.0	3.2	3.5	3.6	2.6	3.0	6.9	4.1	5.2
<b>20</b>	3.9	3.4	3.6	3.8	3.2	3.5	3.9	2.6	3.1	5.0	4.4	4.7
<b>21</b>	3.9	3.2	3.5	3.8	2.6	3.2	3.8	2.4	3.1	4.7	4.2	4.4
<b>22</b>	4.0	3.4	3.6	4.4	2.8	3.5	3.9	3.0	3.4	4.5	4.1	4.3
<b>23</b>	3.9	3.1	3.5	4.3	3.5	3.8	4.8	3.4	4.0	4.8	4.4	4.6
<b>24</b>	4.3	3.5	3.8	4.0	2.9	3.5	4.1	3.3	3.7	7.8	4.2	5.5
<b>25</b>	4.0	3.4	3.8	4.0	2.8	3.3	5.7	3.6	4.4	5.3	4.7	5.0
<b>26</b>	4.1	3.0	3.6	3.5	2.2	3.0	6.3	3.4	4.7	5.3	4.7	4.9
<b>27</b>	4.4	3.5	3.8	2.9	1.9	2.4	6.3	4.1	5.1	6.0	4.7	5.2
<b>28</b>	4.3	3.3	3.7	2.8	1.9	2.5	5.2	4.2	4.7	5.3	4.8	5.0
<b>29</b>	4.6	3.5	4.0	2.6	1.6	2.0	4.2	3.3	3.7	6.0	4.7	5.2
<b>30</b>	---	---	---	3.4	2.2	2.6	4.1	3.0	3.5	7.8	4.7	5.8
<b>31</b>	---	---	---	3.8	2.3	3.0	---	---	---	7.8	4.7	5.9
<b>Month</b>	---	---	---	4.9	1.6	3.4	6.3	2.0	3.7	7.8	3.6	4.9

## 14138850 BULL RUN RIVER NEAR MULTNOMAH FALLS, OR—Continued

**TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
<b>1</b>	6.0	5.2	5.5	10.5	7.2	8.7	12.0	10.5	11.0	9.9	9.3	9.6
<b>2</b>	7.4	4.8	5.8	10.9	7.2	8.9	10.9	10.3	10.6	10.1	8.5	9.3
<b>3</b>	6.0	4.8	5.5	10.7	7.8	9.1	12.0	9.5	10.5	10.3	8.5	9.4
<b>4</b>	5.2	4.4	4.8	9.3	8.2	8.5	13.0	9.7	11.3	10.7	8.9	9.8
<b>5</b>	5.5	4.4	5.0	8.7	8.0	8.3	13.9	10.9	12.3	11.2	9.5	10.2
<b>6</b>	5.3	4.5	4.7	9.7	8.2	8.7	13.7	11.8	12.4	11.6	9.9	10.8
<b>7</b>	4.8	4.4	4.6	11.4	7.8	9.3	13.9	11.6	12.6	12.0	10.5	11.2
<b>8</b>	7.8	4.5	5.7	12.0	8.2	9.7	13.9	12.5	13.2	12.2	10.6	11.3
<b>9</b>	6.3	5.2	5.6	12.5	8.7	10.3	13.2	11.6	12.0	11.9	10.4	11.1
<b>10</b>	5.5	4.2	4.6	11.6	8.7	10	12.3	10.9	11.6	11.5	9.8	10.5
<b>11</b>	5.0	4.5	4.7	11.4	7.8	9.4	13.7	11.2	12.2	11.1	9.6	10.3
<b>12</b>	7.8	4.7	5.8	12.0	8.3	9.9	13.7	11.6	12.7	11.1	10.0	10.6
<b>13</b>	8.7	4.8	6.4	12.7	9.1	10.7	13.9	11.8	12.9	11.1	9.8	10.4
<b>14</b>	8.2	4.7	6.2	12.7	9.5	11.0	14.9	12.3	13.5	11.1	9.8	10.4
<b>15</b>	8.5	4.8	6.4	13.4	9.9	11.4	15.7	13.2	14.3	11.5	10.2	10.8
<b>16</b>	9.1	5.0	6.7	13.0	9.9	11.2	15.7	13.7	14.7	11.9	10.8	11.3
<b>17</b>	8.0	5.5	6.5	12.5	9.3	10.7	15.7	14.4	14.9	11.9	11.1	11.5
<b>18</b>	8.3	5.3	6.6	12.0	9.1	10.4	14.9	13.0	13.8	11.7	11.3	11.5
<b>19</b>	9.1	5.2	6.9	12.3	9.3	10.5	13.2	12.3	12.8	11.3	10.0	10.3
<b>20</b>	9.1	5.8	7.2	13.0	9.3	10.9	13.0	12.5	12.9	10.4	10.0	10.2
<b>21</b>	7.8	6.2	6.9	13.0	9.9	11.4	12.5	11.2	11.6	10.0	9.8	9.9
<b>22</b>	7.8	6.2	6.7	12.0	9.7	10.4	12.5	9.9	11.1	10.0	9.6	9.9
<b>23</b>	7.8	5.3	6.4	10.7	9.1	9.7	13.0	10.5	11.7	9.6	8.2	8.7
<b>24</b>	9.3	5.2	7.0	12.3	8.3	10.0	13.2	11.4	12.3	9.6	8.4	8.9
<b>25</b>	9.7	5.8	7.5	12.7	9.9	11.2	13.0	11.6	12.1	10.2	9.6	9.9
<b>26</b>	8.9	6.3	7.4	12.5	9.9	11.3	12.3	10.5	11.3	10.0	9.0	9.5
<b>27</b>	10.7	6.0	8.0	12.0	10.7	11.1	11.4	10.3	10.6	9.8	9.0	9.4
<b>28</b>	11.2	7.4	8.9	12.7	9.7	11.1	12.5	10.3	11.1	10.0	9.0	9.4
<b>29</b>	10.5	7.0	8.5	12.3	10.1	10.7	13.0	10.9	11.8	10.6	9.6	10.1
<b>30</b>	11.2	7.0	8.8	11.8	10.1	10.8	13.0	10.7	11.5	11.3	10.2	10.6
<b>31</b>	---	---	---	12.5	9.3	10.7	10.7	9.7	10.0	---	---	---
<b>Month</b>	11.2	4.2	6.4	13.4	7.2	10.2	15.7	9.5	12.2	12.2	8.2	10.2