

Water-Data Report 2010

12505050 YAKIMA RIVER NEAR WAPATO, WA

Yakima Basin
Lower Yakima Subbasin

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Chemical Data: March 2006.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: August 2005 to November 2006.

INSTRUMENTATION.--Temperature recorder since Aug. 2005 with a 30-minute logging interval from Aug. 19 to Oct. 20, 2005 and with a 60-minute logging interval from Oct. 20, 2005 to Dec. 6, 2006.

REMARKS.--Records are good. Missing record Oct. 20-28, 2005 due to logger malfunction, Mar. 4-5, 2006 due to thermistor out of water, from Mar. 29 to Sept. 16, 2006 due to thermistor out of water.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 23.0 °C, Aug. 21, 2005, but may have been higher during the periods of missing record; minimum 0.0 °C during many days during the winter months.

12505050 YAKIMA RIVER NEAR WAPATO, WA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

12505050 YAKIMA RIVER NEAR WAPATO, WA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
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19	---	---	---	---	---	---	---	---	---	---	---	---
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31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

12505050 YAKIMA RIVER NEAR WAPATO, WA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	---	---	---	19.7	17.1	18.4
2	---	---	---	---	---	---	---	---	---	19.6	17.6	18.6
3	---	---	---	---	---	---	---	---	---	18.9	17.3	18.2
4	---	---	---	---	---	---	---	---	---	18.4	16.2	17.3
5	---	---	---	---	---	---	---	---	---	17.8	15.6	16.8
6	---	---	---	---	---	---	---	---	---	17.9	15.6	16.7
7	---	---	---	---	---	---	---	---	---	18.4	16.2	17.3
8	---	---	---	---	---	---	---	---	---	18.9	16.8	17.9
9	---	---	---	---	---	---	---	---	---	18.7	16.8	17.7
10	---	---	---	---	---	---	---	---	---	17.1	15.2	16.0
11	---	---	---	---	---	---	---	---	---	16.8	14.9	16.0
12	---	---	---	---	---	---	---	---	---	17.5	15.7	16.6
13	---	---	---	---	---	---	---	---	---	17.9	15.9	17.0
14	---	---	---	---	---	---	---	---	---	18.4	16.5	17.5
15	---	---	---	---	---	---	---	---	---	18.1	16.7	17.5
16	---	---	---	---	---	---	---	---	---	17.5	15.7	16.6
17	---	---	---	---	---	---	---	---	---	17.0	14.9	16.1
18	---	---	---	---	---	---	---	---	---	17.1	15.4	16.4
19	---	---	---	---	---	---	---	---	---	17.6	15.6	16.8
20	---	---	---	---	---	---	22.0	18.9	20.5	17.3	15.6	16.5
21	---	---	---	---	---	---	23.0	19.6	21.3	16.4	14.1	15.3
22	---	---	---	---	---	---	22.5	20.0	21.2	15.7	14.0	15.0
23	---	---	---	---	---	---	20.7	18.4	19.5	15.9	14.0	15.0
24	---	---	---	---	---	---	20.0	17.1	18.6	15.4	13.5	14.7
25	---	---	---	---	---	---	20.0	17.1	18.7	15.6	13.8	14.8
26	---	---	---	---	---	---	20.5	17.5	19.0	15.9	14.3	15.2
27	---	---	---	---	---	---	21.0	17.9	19.6	16.5	14.9	15.8
28	---	---	---	---	---	---	21.2	18.4	19.8	16.2	14.8	15.6
29	---	---	---	---	---	---	20.4	18.4	19.4	15.9	15.1	15.5
30	---	---	---	---	---	---	19.2	17.0	18.2	16.7	15.7	16.3
31	---	---	---	---	---	---	19.6	16.8	18.2	---	---	---
Month	---	---	---	---	---	---	---	---	---	19.7	13.5	16.5

12505050 YAKIMA RIVER NEAR WAPATO, WA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	16.2	14.5	15.1	10.3	9.0	9.8	2.0	1.5	1.7	3.1	2.8	3.0
2	14.5	12.8	13.3	9.0	7.6	8.1	2.0	1.2	1.6	3.6	2.9	3.2
3	13.8	12.4	13.1	7.6	6.8	7.2	2.0	1.2	1.7	3.4	3.1	3.2
4	13.7	12.3	13.1	7.0	6.1	6.6	1.7	0.4	1.0	3.4	2.9	3.1
5	14.0	12.8	13.4	6.5	5.8	6.0	1.2	0.2	0.7	3.1	2.6	2.9
6	14.3	13.5	14.0	6.4	5.1	5.8	2.0	0.9	1.4	3.7	2.9	3.2
7	14.1	13.2	13.6	6.2	5.6	5.9	1.8	1.0	1.5	4.4	3.7	4.0
8	13.4	12.3	12.8	5.8	4.8	5.4	1.4	0.0	0.5	4.0	3.1	3.5
9	13.1	12.0	12.7	5.4	4.4	5.0	0.2	0.0	0.1	4.2	2.9	3.5
10	13.1	12.3	12.7	6.1	4.8	5.4	0.0	0.0	0.0	5.1	4.2	4.7
11	13.4	12.3	12.8	6.2	5.4	5.9	0.0	0.0	0.0	4.8	3.4	3.9
12	13.2	12.8	13.0	6.1	5.3	5.7	0.0	0.0	0.0	3.4	3.1	3.1
13	14.0	12.9	13.4	7.2	5.9	6.5	0.0	0.0	0.0	3.9	3.1	3.4
14	14.0	12.8	13.4	7.0	6.2	6.6	0.0	0.0	0.0	4.4	3.9	4.1
15	14.0	13.4	13.8	6.2	5.0	5.5	0.0	0.0	0.0	4.0	3.1	3.4
16	14.0	12.8	13.1	5.3	4.4	4.9	0.1	0.0	0.1	3.3	2.8	3.0
17	13.2	12.4	12.9	5.1	4.2	4.8	0.2	0.0	0.1	3.4	2.9	3.2
18	14.3	12.4	13.3	5.0	4.0	4.5	0.0	0.0	0.0	3.3	2.9	3.1
19	14.5	13.4	14.0	5.1	4.7	4.9	0.0	0.0	0.0	3.1	2.6	2.8
20	---	---	---	5.4	5.1	5.3	0.6	0.0	0.3	3.7	2.6	3.1
21	---	---	---	5.4	2.3	4.5	1.0	0.4	0.6	3.3	2.5	2.8
22	---	---	---	3.7	1.8	2.4	1.4	0.9	1.1	2.8	2.1	2.5
23	---	---	---	5.1	1.2	3.7	1.4	0.6	1.0	3.6	2.6	3.0
24	---	---	---	5.0	4.7	4.8	1.4	0.2	0.8	4.2	3.3	3.7
25	---	---	---	4.7	4.0	4.3	2.8	0.7	1.6	4.0	3.1	3.6
26	---	---	---	4.2	3.4	3.8	3.6	2.8	3.2	4.0	3.4	3.8
27	---	---	---	3.4	2.5	2.9	3.7	3.3	3.5	3.9	2.9	3.5
28	---	---	---	2.9	2.1	2.5	3.9	3.3	3.5	4.5	3.7	4.0
29	9.9	8.9	9.4	3.3	2.3	2.8	3.4	2.5	2.8	3.9	2.9	3.3
30	9.5	7.9	8.7	2.8	1.8	2.1	3.1	2.9	3.0	4.4	3.1	3.6
31	10.3	9.0	9.7	---	---	---	3.3	2.9	3.2	3.7	2.8	3.0
Month	---	---	---	10.3	1.2	5.1	3.9	0.0	1.1	5.1	2.1	3.4

12505050 YAKIMA RIVER NEAR WAPATO, WA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	3.7	2.3	3.0	5.6	3.9	4.8	---	---	---	---	---	---
2	4.0	3.1	3.6	6.5	5.0	5.6	---	---	---	---	---	---
3	4.0	3.4	3.7	6.2	4.7	5.5	---	---	---	---	---	---
4	4.7	3.9	4.2	---	---	---	---	---	---	---	---	---
5	4.4	3.7	4.1	---	---	---	---	---	---	---	---	---
6	4.2	3.1	3.7	5.8	4.0	4.8	---	---	---	---	---	---
7	4.0	2.8	3.5	6.8	4.8	5.7	---	---	---	---	---	---
8	4.0	3.3	3.7	6.2	4.3	5.2	---	---	---	---	---	---
9	3.9	2.8	3.3	4.7	3.1	4.0	---	---	---	---	---	---
10	3.3	2.1	2.8	4.8	3.4	4.1	---	---	---	---	---	---
11	3.1	1.5	2.4	4.8	3.3	4.0	---	---	---	---	---	---
12	3.6	2.0	2.7	5.8	3.6	4.6	---	---	---	---	---	---
13	4.0	2.5	3.2	6.1	4.0	5.0	---	---	---	---	---	---
14	3.7	2.6	3.0	6.8	4.8	5.7	---	---	---	---	---	---
15	3.1	1.7	2.5	6.1	4.8	5.5	---	---	---	---	---	---
16	2.7	1.2	1.9	6.2	5.0	5.6	---	---	---	---	---	---
17	2.0	0.0	0.3	6.5	5.0	5.7	---	---	---	---	---	---
18	0.1	0.0	0.0	6.8	4.7	5.8	---	---	---	---	---	---
19	0.4	0.0	0.1	7.3	5.0	6.1	---	---	---	---	---	---
20	0.6	0.0	0.2	8.2	6.7	7.3	---	---	---	---	---	---
21	1.8	0.0	0.8	7.6	5.9	6.9	---	---	---	---	---	---
22	3.4	0.6	1.8	8.6	6.7	7.6	---	---	---	---	---	---
23	5.0	2.8	3.8	9.2	7.3	8.2	---	---	---	---	---	---
24	4.4	3.1	3.8	10.4	8.1	9.2	---	---	---	---	---	---
25	3.5	2.0	2.7	9.8	7.7	8.6	---	---	---	---	---	---
26	3.1	2.3	2.7	7.9	6.2	7.2	---	---	---	---	---	---
27	4.4	2.9	3.5	8.4	6.1	7.2	---	---	---	---	---	---
28	5.1	4.4	4.8	9.3	7.5	8.3	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	5.1	0.0	2.7	---	---	---	---	---	---	---	---	---

12505050 YAKIMA RIVER NEAR WAPATO, WA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	16.1	13.3	14.8
17	---	---	---	---	---	---	---	---	---	15.9	13.9	15.1
18	---	---	---	---	---	---	---	---	---	16.9	14.8	15.9
19	---	---	---	---	---	---	---	---	---	16.3	14.7	15.6
20	---	---	---	---	---	---	---	---	---	15.6	13.9	14.5
21	---	---	---	---	---	---	---	---	---	15.0	13.6	14.3
22	---	---	---	---	---	---	---	---	---	15.2	12.8	14.1
23	---	---	---	---	---	---	---	---	---	15.6	13.6	14.8
24	---	---	---	---	---	---	---	---	---	16.1	14.1	15.3
25	---	---	---	---	---	---	---	---	---	16.3	14.5	15.5
26	---	---	---	---	---	---	---	---	---	16.6	14.7	15.9
27	---	---	---	---	---	---	---	---	---	16.9	15.1	16.1
28	---	---	---	---	---	---	---	---	---	17.2	15.4	16.5
29	---	---	---	---	---	---	---	---	---	16.8	15.1	16.2
30	---	---	---	---	---	---	---	---	---	16.7	14.8	15.9
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

12505050 YAKIMA RIVER NEAR WAPATO, WA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	16.1	14.1	15.1	4.6	3.0	3.7	---	---	---	---	---	---
2	15.5	13.8	14.7	4.8	4.0	4.3	---	---	---	---	---	---
3	15.1	13.9	14.4	6.0	4.8	5.3	---	---	---	---	---	---
4	14.5	13.9	14.3	7.6	5.7	6.2	---	---	---	---	---	---
5	15.1	13.7	14.3	8.4	7.6	8.0	---	---	---	---	---	---
6	15.2	13.7	14.6	9.9	8.2	9.1	---	---	---	---	---	---
7	14.6	12.9	13.9	9.6	8.7	9.1	---	---	---	---	---	---
8	14.3	13.0	13.7	8.7	7.6	7.9	---	---	---	---	---	---
9	13.8	12.3	13.1	7.7	7.2	7.5	---	---	---	---	---	---
10	13.0	11.0	12.0	7.2	6.6	6.8	---	---	---	---	---	---
11	12.7	11.1	12.1	6.6	5.7	6.2	---	---	---	---	---	---
12	13.0	11.5	12.4	6.2	5.5	5.9	---	---	---	---	---	---
13	13.4	11.7	12.7	6.2	5.7	6.0	---	---	---	---	---	---
14	13.4	11.9	12.8	5.9	5.0	5.4	---	---	---	---	---	---
15	13.4	12.6	13.0	6.3	5.1	5.5	---	---	---	---	---	---
16	12.6	11.6	12.2	6.3	5.2	5.9	---	---	---	---	---	---
17	13.2	11.6	12.4	5.2	4.4	4.7	---	---	---	---	---	---
18	13.2	11.6	12.1	4.5	3.7	4.2	---	---	---	---	---	---
19	12.7	11.5	12.0	5.2	4.2	4.6	---	---	---	---	---	---
20	12.6	11.3	12.1	6.0	5.0	5.4	---	---	---	---	---	---
21	12.2	10.0	11.2	5.6	4.8	5.2	---	---	---	---	---	---
22	11.4	9.3	10.3	5.2	4.7	5.0	---	---	---	---	---	---
23	10.6	9.0	9.9	5.1	4.0	4.7	---	---	---	---	---	---
24	10.4	9.0	9.7	---	---	---	---	---	---	---	---	---
25	9.8	8.1	9.1	---	---	---	---	---	---	---	---	---
26	9.4	8.2	8.9	---	---	---	---	---	---	---	---	---
27	9.7	7.9	8.8	---	---	---	---	---	---	---	---	---
28	9.9	8.4	9.3	---	---	---	---	---	---	---	---	---
29	9.7	8.2	8.9	---	---	---	---	---	---	---	---	---
30	8.7	6.4	7.4	---	---	---	---	---	---	---	---	---
31	6.4	4.5	5.2	---	---	---	---	---	---	---	---	---
Month	16.1	4.5	11.7	---	---	---	---	---	---	---	---	---

12505050 YAKIMA RIVER NEAR WAPATO, WA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

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	---	---	---	---	---	---	---	---	---	---	---	---

12505050 YAKIMA RIVER NEAR WAPATO, WA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
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	---	---	---	---	---	---	---	---	---	---	---	---