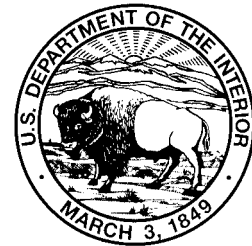


# Water-Temperature, Specific-Conductance, and Meteorological Data for the Tualatin River Basin, Oregon, 1994–95

U.S. GEOLOGICAL SURVEY  
Open-File Report 96–315



Prepared in cooperation with the  
UNIFIED SEWERAGE AGENCY OF WASHINGTON COUNTY, OREGON



**Cover photograph.** Tualatin River at Oswego Dam (photograph by Stewart A. Rounds, U.S. Geological Survey).

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By JOHN C. RISLEY AND MICELIS C. DOYLE

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**CONVERSION FACTORS**

<b>Multiply</b>	<b>By</b>	<b>To obtain</b>
cubic foot per second (ft <sup>3</sup> /s)	0.02832	cubic meter per second
inch	25.4	millimeter
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
square mile (mi <sup>2</sup> )	2.590	square kilometer

Temperature in degrees Celsius (°C) as follows:

$$^{\circ}\text{C} = (^{\circ}\text{F} - 32) / 1.8.$$

# Water-Temperature, Specific-Conductance, and Meteorological Data for the Tualatin River Basin, Oregon, 1994–95

By John C. Risley and Micelis C. Doyle

## ABSTRACT

Water-temperature, air-temperature, specific-conductance, wind-speed, and solar-radiation data are presented from a study conducted in the Tualatin River Basin in northwestern Oregon during 7-month periods from May 1 through November 30, 1994 and May 1 through November 30, 1995. The study was done to assist local and State agencies in understanding temporal and spatial patterns of water temperatures in the river, determining the relation between water temperature and human activities, and developing urban and agricultural management strategies for controlling impacts on stream temperatures. Data were collected at 14 fixed-station continuous monitoring sites located on or near the main stem and major tributaries. Data from temperature and specific-conductance sites were collected instantaneously every 30 minutes on the hour and half hour. Wind-speed and solar-radiation data at two sites were averaged every 60 minutes. Wind-speed and solar-radiation data at a third site were averaged every 30 minutes. Water temperature data were also collected during seven synoptic surveys near the two main wastewater-treatment plants. The surveys were conducted during the low-flow period from August to October of 1994 and August to September 1995. During each survey, up to six recording temperature probes were positioned at

locations upstream and downstream of plant effluent outlets. The probes collected data every 16 minutes over 48-hour periods.

## INTRODUCTION

Instream water temperatures are an important element of the overall health of aquatic ecosystems in Oregon. There is clear evidence that fish survival decreases markedly as water temperatures warm past a critical threshold, particularly during sensitive life stages of fish. In the Tualatin River and many other Oregon streams, the critical water temperature threshold for many cold-water species is reached and surpassed during low-flow periods from July to October. In recent years, the Oregon Department of Environmental Quality has begun a process of creating and imposing enforceable guidelines on allowable temperature modifications to water bodies. Examples of human-caused water-temperature modifications in the Tualatin River could include removal of riparian vegetation, discharge of effluent from wastewater-treatment plants (WWTPs) and other point sources, irrigation return flows, urban runoff, and reduction of natural baseflows caused by urbanization. However, only until the separate impacts of these human-caused factors has been more clearly quantified and characterized will it be possible to develop cost-effective solutions to the problem.

In order to better understand water-temperature variations in the river and to design remediation solutions, the Unified Sewerage Agency (USA) of Washington County and the U.S.



Geological Survey (USGS) began a cooperative study in 1994. Specific objectives of the study were to (1) quantify the temporal and spatial patterns of water temperatures in the main-stem Tualatin River and near the mouths of the major tributaries, (2) determine the relation of water temperatures in the Tualatin River and its major tributaries to climatic conditions, seasonal and diel variations, and human activities, and (3) quantify the potential effectiveness of urban and agricultural management strategies for controlling impacts on stream temperatures during the base-flow season (May through October).

The approach used to meet the study objectives involved collecting water-temperature, meteorological, and discharge data at fixed-station continuous monitoring sites over most of the main stem and the major tributaries for two low-flow seasons (summer and fall). Synoptic water-temperature measurements were also collected upstream and downstream of the effluent outlets of the two principal WWTPs. Field data were used to calibrate and validate a dynamic water-temperature computer model of the main stem from Gaston (RM [river mile] 63.9) to the Lake Oswego Dam (RM 3.4). The model was used to test various management scenarios to remedy human-caused water temperature modifications.

## **Purpose and Scope**

The purpose of this report is to present the field data that were collected for the first study objective. The data in this report may be used by State and local agencies in their efforts to enforce and comply with State-mandated water temperature regulations for the Tualatin River. The data were collected from fixed-station monitoring sites and synoptic surveys. The data from 14 fixed-station monitoring sites were collected over 7-month periods from May to November of 1994 and May to November of 1995 and include water temperature, air temperature, specific conductance, solar radiation, and wind speed. However, not all parameters were monitored at all 14 sites for both seasons. Only 13 sites were used at any one season. The seven synoptic surveys were conducted at both the Rock Creek and Durham WWTPs during the period from August to October of 1994 and August to September 1995. During

each synoptic survey, water temperature data were collected from six sites at 16-minute intervals over a 48-hour period.

This report also provides documentation of the equipment, field measurement techniques, and quality-assurance procedures used in the data collection. Tables of daily minimum, maximum, and mean values for all the fixed-station data are presented. Data from the synoptic surveys are presented in graphical format.

Hourly and half-hourly water temperature, specific-conductance, and meteorological data from the fixed-station sites, along with 16-minute-interval water-temperature data from the synoptic surveys, are also available in digital American Standard Code for Information Interchange (ASCII) file format from the USGS Oregon District Office upon request. Additional water-quality data and analyses concerning the Tualatin River are available in Doyle and Caldwell (1996) and Kelly (1995), which were products of a separate cooperative water-quality study of the USA and the USGS.

## **Description of the Study Area**

The Tualatin River is a major tributary to the Willamette River and is located in northwestern Oregon near the city of Portland (fig. 1). The 712-square-mile (mi<sup>2</sup>) basin is bounded by the Coast Range on the west and northwest, the Tualatin Mountains on the east and northeast, and the Chehalem Mountains on the south. The study reach extended from RM 63.9, west of the town of Gaston, to RM 3.4 at the Lake Oswego Dam, and had a 76.3-foot change in elevation. With the exception of the part of the reach 2 to 3 miles downstream of RM 63.9, most of the river is slow and meandering. The study area has a modified-maritime climate, with annual precipitation averaging about 45 inches per year and maximum and minimum air temperatures averaging between 0 and 17° C (32 and 62° F) during the winter and between 5 and 28° C (42 and 82° F) during the summer. Major tributaries to the Tualatin River include Scoggins, Gales, Dairy, Rock, and Fanno Creeks. Agricultural-farm and forest are the predominant land uses in the most of the study area, particularly in the western and central regions. However, expanding urbanization is pronounced in

**Figure 1.** Location of fixed-station continuous monitoring sites, and wastewater-treatment plants, Tualatin River Basin, Oregon, 1994–95.

the eastern region. Vegetation along the study reach is dominated by white oak, ash, and cottonwood, with an understory of grass and shrubs. Most soils in the study area can be characterized as silt loams and loams that are moderately well-drained and generally contain naturally high concentrations of phosphorus.

### **Acknowledgments**

The author gratefully acknowledges the following agencies and individuals for assistance during the study: the Unified Sewerage Agency for logistical support, data, and cooperative funding, especially Janice Miller, John Jackson, and Tom VanderPlaat; Wally Otto of the Tualatin Valley Irrigation District, for providing logistical support and data; Jerry Rodgers, Oregon Water Resources Department, for providing stage data and discharge measurements; and Don Neal of Scholls, Oregon, for routinely providing access through his property to river mile 23.2 of the Tualatin River.

Many other landowners are also acknowledged for providing river access. Finally, a special thanks is given to Janice Miller for her assistance throughout the study.

### **DATA COLLECTION**

Most of the data collected for this study came from the 14 fixed-station continuous monitoring sites and the 7 synoptic surveys near the Rock Creek and Durham WWTPs; all of these data are presented in this report. Some additional field data collected for this study included channel geometry and riparian shading estimates. Because those data were specific to the development of the water-temperature models, they will be presented in a planned interpretive report.

#### **Fixed-Station Continuous Monitoring**

Fixed-station continuous monitoring data were collected at 14 locations on or near the main

stem or on major tributaries at points near the main stem as shown in figure 1 and table 1. The data collected included measurements of water temperature at 12 locations, air temperature at 4 locations, wind speed at 3 locations, solar radiation at 3 locations, and specific conductance at 4 locations (fig. 2). Data were recorded at these locations at 30- or 60-minute intervals from May 1, 1994, to November 30, 1994, and May 1, 1995, to November 30, 1995. However, not all parameters were monitored at all 14 sites for both seasons. Only 13 sites were used at any one season. Minimum, maximum, and mean daily values for the fixed-station data are given in tables 2–30.

### Equipment Description

Water-temperature data were collected using Campbell Scientific model 101 water-soil-temperature probes at all locations except for the specific conductance sites and the two WWTPs. At each site the probe was connected to a Campbell Scientific CR21 micrologger. The micrologger received its power from a 12-volt Powersonic battery. Data were stored in a Campbell Scientific SM192 storage module. The micrologger, storage module, and battery were kept in a mounted electrical box or stream-gaging house for protection from precipitation, humidity, and vandalism. The water-temperature sensor probe and connecting wire were encased in one-half-inch black plastic protective tubing. The tubing extended from the electrical box or stream-gaging house to the stream. The temperature probe was positioned in the stream vertically approximately halfway between the minimum water-surface elevation and the streambed, and horizontally in a well-mixed zone.

In early August of 1994, StowAway temperature dataloggers were installed at all the water temperature sites and used as data backup equipment. Each StowAway unit includes a temperature probe and data recorder that are both enclosed in a 2-inch by 4-inch submersible plastic case. Attached to a thin metal cable line and a 10–20 pound weight, the case was positioned midsection in the channel and approximately halfway between the minimum water-surface elevation and the streambed. The other end of the cable line was attached around a tree or pole on the bank above the high-water level. The cable line enabled the

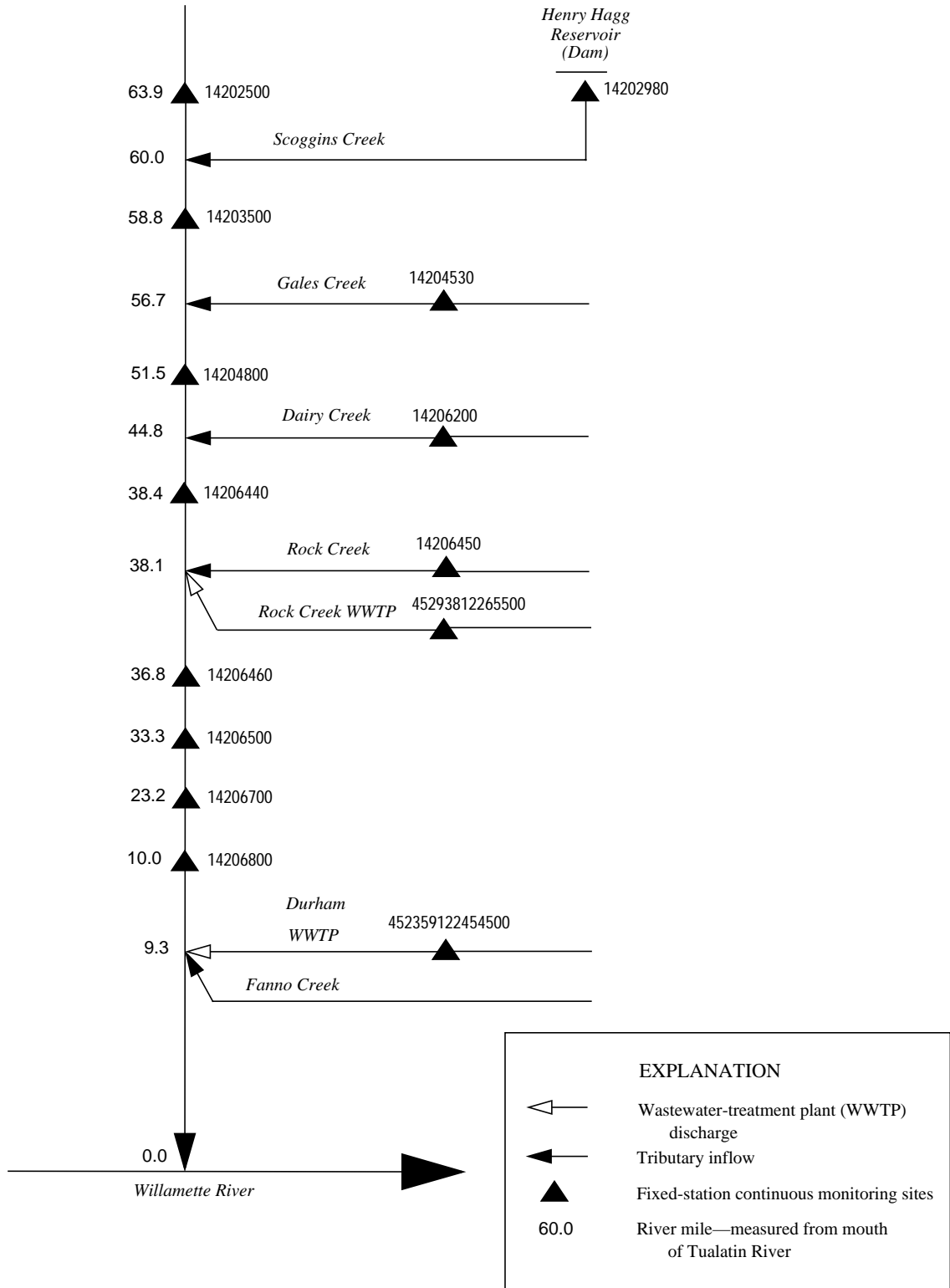
retrieval of the StowAway unit at anytime. The StowAway units were programmed to collect instantaneous measurements every half hour for a 5-month period. The backup equipment was operational for the remainder of the 1994 data collection period and for the entire 1995 data collection period.

Campbell model 107 air-temperature probes were used at three sites. Having much shorter cables than the water-temperature probes, these cables extended only a few feet from the CR21 micrologger in the electrical box or stream-gaging house to a well-vented shaded location for the probe.

Met One Wind Speed Sensors were used at the three wind-speed data collection sites. The sensors were encased in fixed vertically positioned galvanized steel pipes. A connecting wire extended from the sensor to the CR21 micrologger in the electrical box or stream-gaging house.

LI-COR Quantum Sensors and a LI-COR Silicon Pyranometer were used at the three solar-radiation data-collection sites. In 1994 the quantum sensors were installed at the Durham and Rock Creek WWTPs and the pyranometer was installed at the Scoggins Creek site. However, in 1995 the quantum sensors were installed at the Scoggins Creek site and the Durham WWTP and the pyranometer was installed at the Rock Creek WWTP. The quantum sensors and the pyranometer were attached to the top of the electrical boxes, which were mounted on rooftops of buildings at the WWTPs or on the rooftop of the Scoggins Creek stream-gaging house. Connecting wires extended from the quantum sensors or the pyranometer to CR21 microloggers used to store data.

Standard specific-conductance/water-temperature probes assembled by the USGS Hydrologic Instrumentation Facility (HIF) were used at the specific-conductance data-collection sites. The probes and their 75-foot connecting wires were encased in 3-inch black plastic protective tubing. The tubing extended from the stream to an electrical box or a stream-gaging house. The wire in the electrical box or stream-gaging house was connected to a CR10 micrologger. Data were stored both in the micrologger and in a backup SM192 storage module. The micrologger received its power from a 12-volt Powersonic battery. At the RM 10.0 site



**Figure 2.** Schematic diagram showing relative positions of selected tributaries, fixed-station continuous monitoring sites, and wastewater-treatment plants, Tualatin River Basin, Oregon, 1994–95.

(across from Cook Park), the protective tubing and probe extended vertically into the river from a pump house structure built on the river approximately 20 feet from the left bank. The probe was positioned in the water approximately halfway between the minimum water-surface elevation and the streambed. The lowest foot of the tubing was perforated with 3/8-inch diameter holes to allow flow circulation around the probe.

In 1994, at the Farmington Road and Rood Bridge sites, the probes and their protective tubing were positioned into the river horizontally from the bank. Because the probes were initially installed during high flows in April of 1994, it was necessary to extend the tubing and probes farther out into the stream at both sites as the stage dropped during the summer. The last 5 to 10 feet of tubing at each site was attached to vertical metal posts driven into the streambed and fixed to a position that was halfway between the minimum water-surface elevation and the streambed. Similar to the RM 10.0 site, the end of the tubing at these two sites was perforated to allow flow circulation around the probe. In 1995, the probe at the Rood Bridge site was repositioned so it would be at the midpoint of channel flow. The micrologger, storage module, and battery were placed in a protective box attached to the bridge railing. The probe and cable were hung vertically into the river from the box and enclosed in a protective 4-inch PVC pipe. The portion of the pipe in the water was perforated. Also in 1995, the probe that was at the Farmington Road site was moved to the Meriwether golf course pump house (RM 36.8). The same equipment design setup used at the pump house located at the RM 10.0 site was also used at this new site.

### **Quality-Assurance Program**

All fixed-station data locations were visited every 3 weeks throughout the 7-month sampling periods. During each visit, data were retrieved from the microloggers, and equipment was serviced, cleaned, and repaired if necessary.

At the water- and air-temperature sites, measurements from the fixed-station thermistor probes were compared with measurements from a YSI-TLC-3000 probe during each site visit. Measurements from the TLC probe were used to make straight-line time shift corrections to the

half-hourly temperature data. Measurements from the TLC probe were calibrated to a certified mercury thermometer in the laboratory twice during the season. Temperature cross section measurements were made at all the water-temperature sites during different flow conditions in May and September of 1994. The number of measurements across the channel varied, depending on the site, from as few as 6 to as many as 18. At deeper channel sites both lower and upper depths were measured. With the exception of the RM 10.0 site, all of the sites were well mixed with all cross-sectional temperature measurements within 0.1°C (degree Celsius). The RM 10.0 site had temperature measurements within 0.5°C. The water-temperature cross section measurements are shown in the appendix.

During each visit to the specific-conductance sites, an instream reading from the conductivity probe was taken prior to its cleaning. The probe was then taken out of the stream through the plastic tube and its metal protective sleeve was removed. The sleeve and the probe were cleaned with a nylon brush and a mild solution of bleach or liquinox and deionized water. The sleeve and probe were reassembled and triple rinsed with deionized water. Measurements from the probe were also taken while in three known laboratory specific-conductance standard solutions. The standards bracketed the expected conductivity levels of the stream. The probe was placed back in the river and a second instream measurement was made. Measurements taken during the site visit were then used to apply both a straight-line "cleaning" shift and a 3-point variable shift for the probe to the collected half-hourly data.

At the solar-radiation and wind-speed sites, the sensor was wiped cleaned and the bubble balance was adjusted during each visit. The measurement difference before and after the cleaning and the level adjustment were not significant enough to require correction shifts to the half-hourly or hourly data values. No adjustments were made to the wind-speed sensors during the visits, nor were correction shifts made to the wind-speed data. In December of 1994 and 1995, at the completion of each data collection period, the quantum sensors and the pyranometer were sent to the manufacturer (LI-COR) for recalibration. The new calibration coefficients were used for converting

the data measured by the instrument into the units used in the tables.

## **Synoptic Surveys**

Synoptic water temperature surveys were conducted to better understand and quantify the effects of WWTP effluent on the main-stem water temperatures. The surveys were conducted upstream and downstream of the effluent outlets of both the Rock Creek and Durham WWTPs. During the low-flow season, all of the effluent released into the Tualatin River by the USA came from these two plants. The surveys were conducted during the late summer and early fall because the impact of the effluent was expected to be the most critical at these times. During this period, river flows were less than 200 cubic feet per second and the temperature of the river was already approaching a temperature threshold that was detrimental to the survival of many cold-water fish species. For each survey, temperature probes were positioned within a 1-mile reach of the river upstream and downstream of the effluent outlet. Figures 3 and 4 are maps showing the probe positions near the Rock Creek and Durham WWTP outlets. Because of diel variations in water temperature, it was necessary to conduct the survey over a minimum of a 48-hour period. Instantaneous measurements of water temperature were recorded every 16 minutes. Graphs showing results of the Rock Creek plant surveys in 1994 are presented in figures 5–8, and graphs showing the results of the Durham plant surveys in 1994 are presented in figures 9–12. For 1995, graphs showing the Rock Creek plant surveys are presented in figures 13–15 and graphs showing the Durham plant surveys are presented in figures 16–18.

## **Equipment Description**

Hobo temperature probes and microloggers were used in the synoptic temperature surveys near the two WWTPs. The Hobo equipment is made by the same manufacturer and is similar in size and shape to the

StowAway equipment. However, the Hobo has a more limited storage capacity. Each Hobo unit includes a temperature probe and data recorder that are both enclosed in a 2-inch by 4-inch submersible plastic case. For each data-collection point in the synoptic survey, the Hobo case was positioned horizontally midsection in the channel and held approximately halfway between the water surface and the streambed by a vertical nylon rope. The upper and lower ends of the rope were tied to a football-sized Styrofoam float and a 10–20 pound weight, respectively.

## **Quality-Assurance Program**

After positioning each of the Hobo probes at the start of each synoptic survey, a water-temperature measurement was taken from a YSI-TLC-3000 probe. The TLC probe was held underwater as close as possible to the Hobo probe. A follow-up measurement was made with the TLC probe at the conclusion of the survey as each probe was removed from the water. Measurements from the TLC probe were later used to make straight-line time shift corrections to the 16-minute-interval temperature data that were recorded by the Hobo probe. Measurements from the TLC probe were also corrected by a certified mercury thermometer in the laboratory twice during the two seasons.

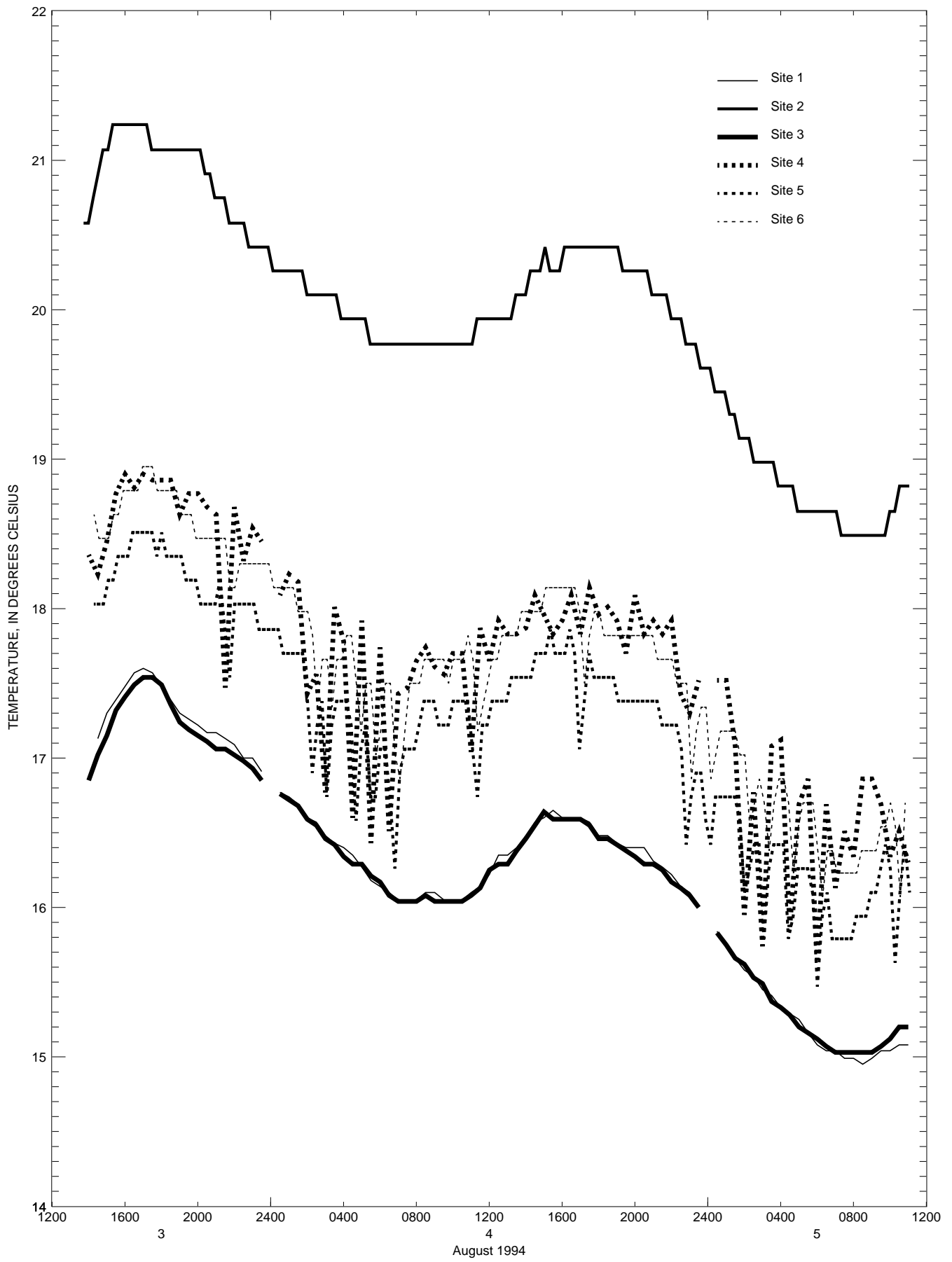
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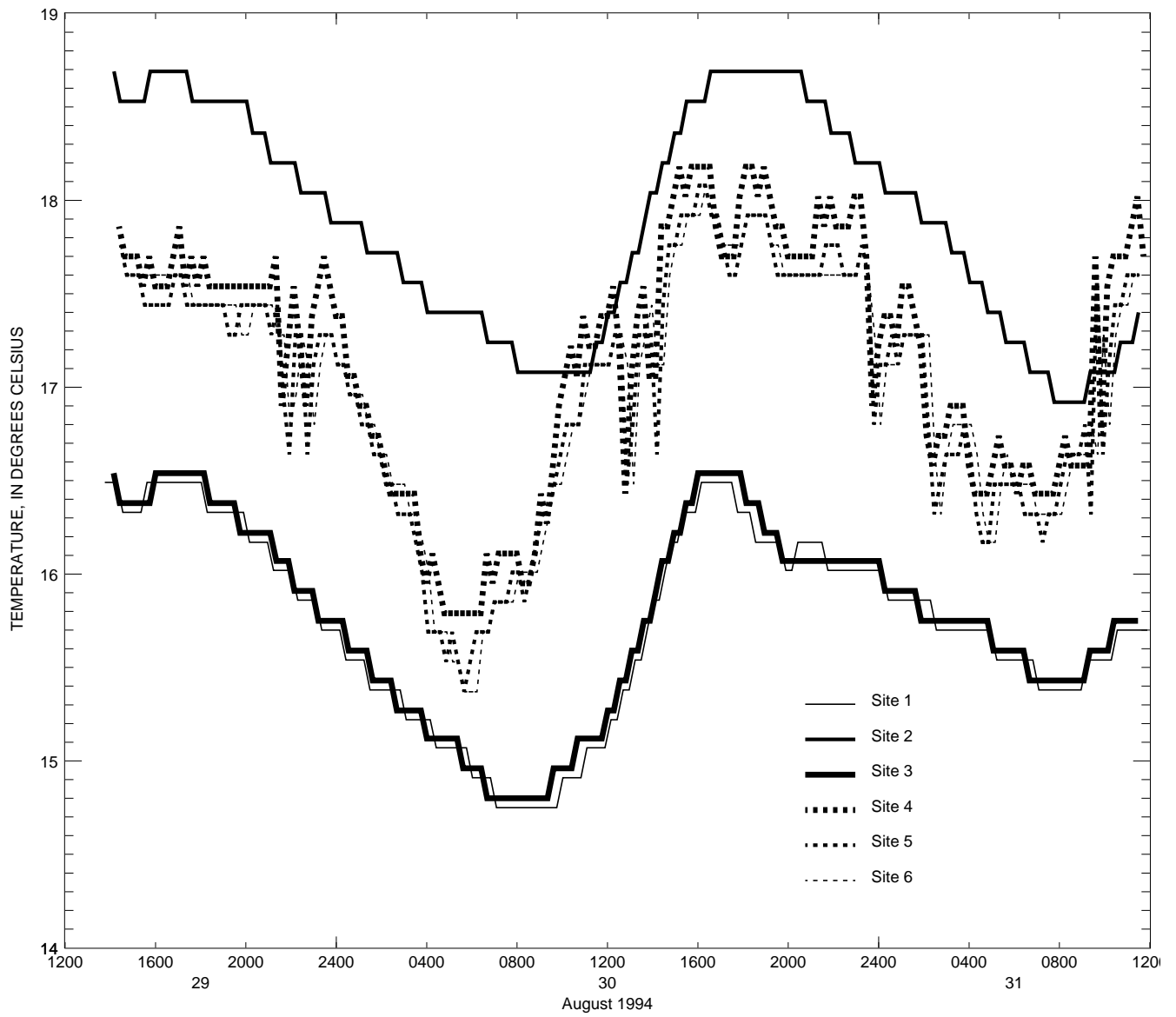
**Figure 3.** Locations of water temperature probes used in the Rock Creek wastewater-treatment-plant synoptic surveys, Tualatin River Basin, Oregon, 1994–95.

**Figure 4.** Locations of water-temperature probes used in the Durham wastewater-treatment-plant synoptic surveys, Tualatin River Basin, Oregon, 1994–95.





**Figure 5.** Rock Creek wastewater-treatment-plant synoptic survey, August 3–5, 1994



**Figure 6.** Rock Creek wastewater-treatment-plant synoptic survey, August 29–31, 1994

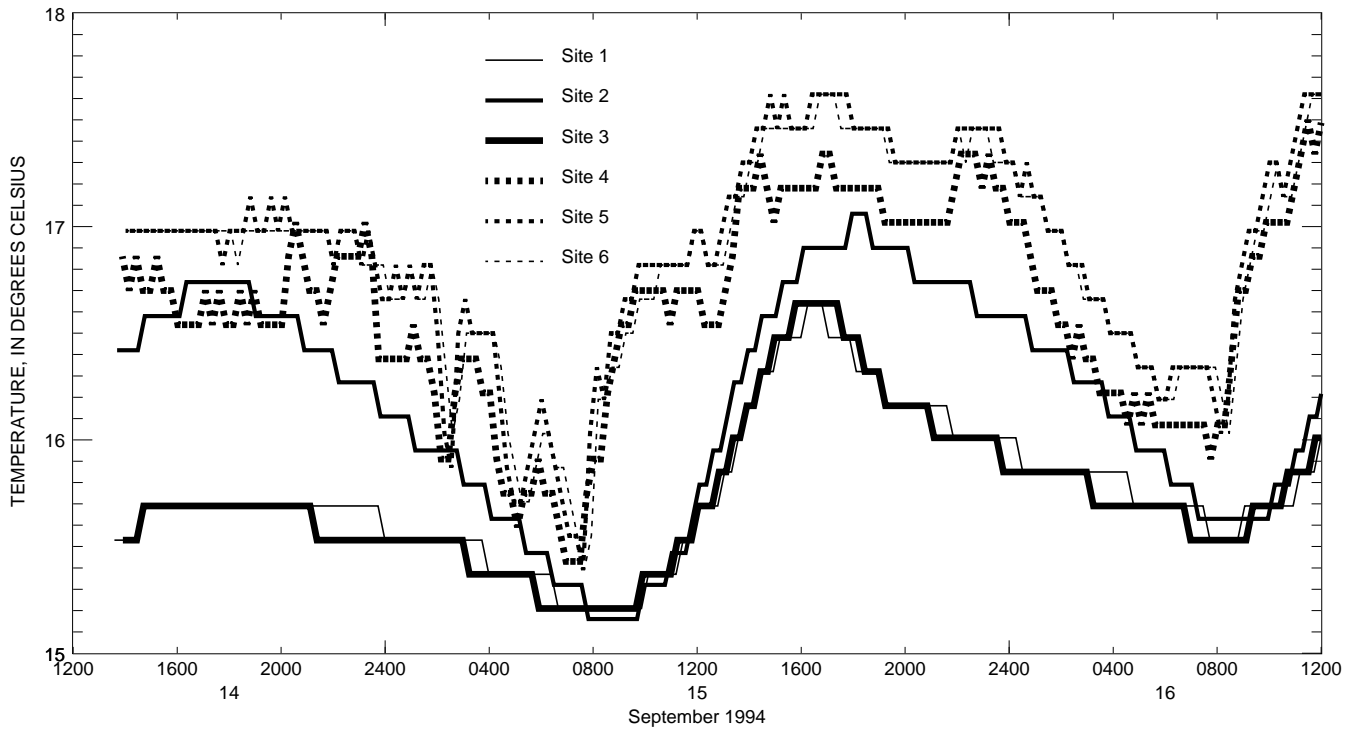


Figure 7. Rock Creek wastewater-treatment-plant synoptic survey, September 14–16, 1994.

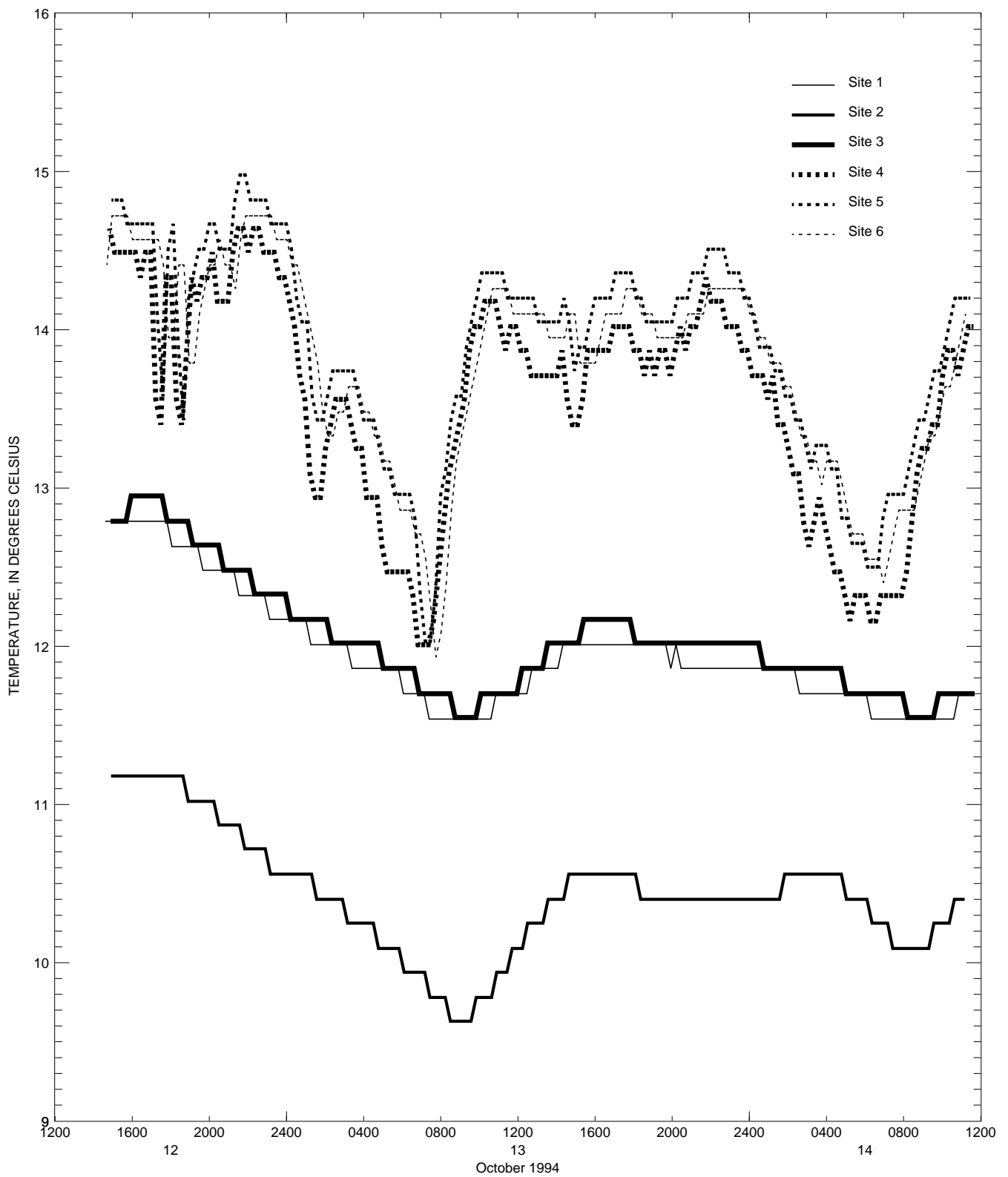
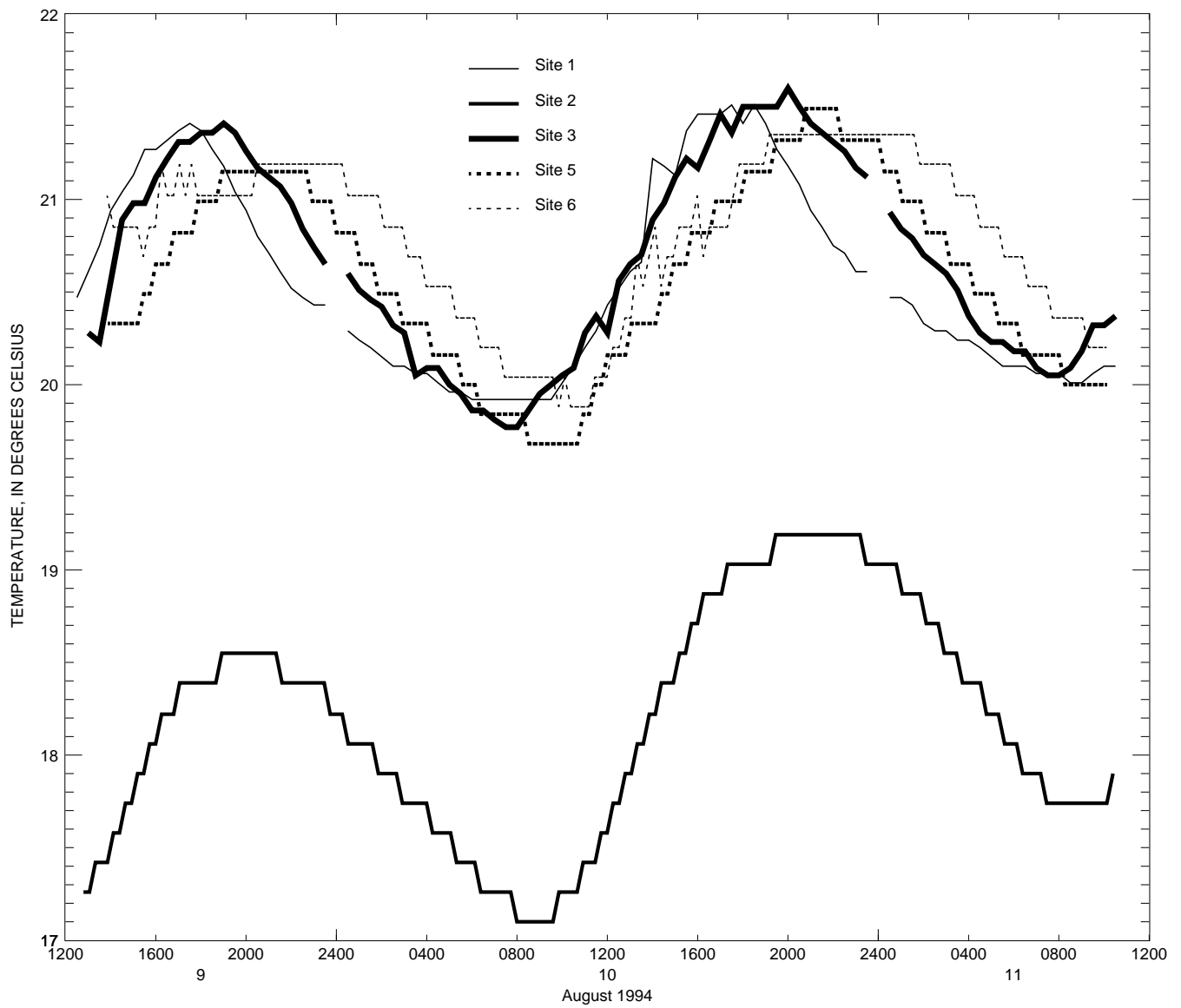
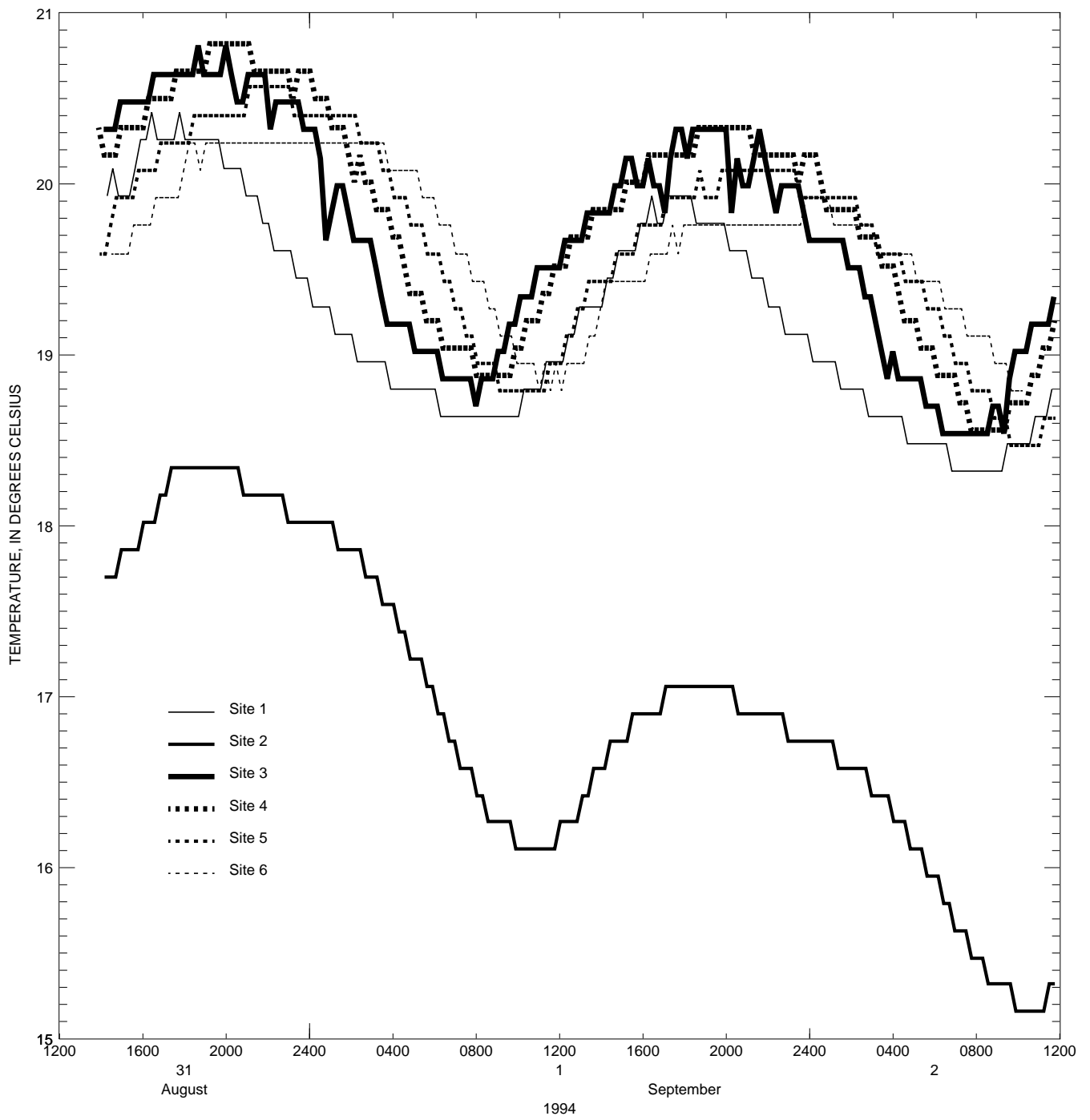


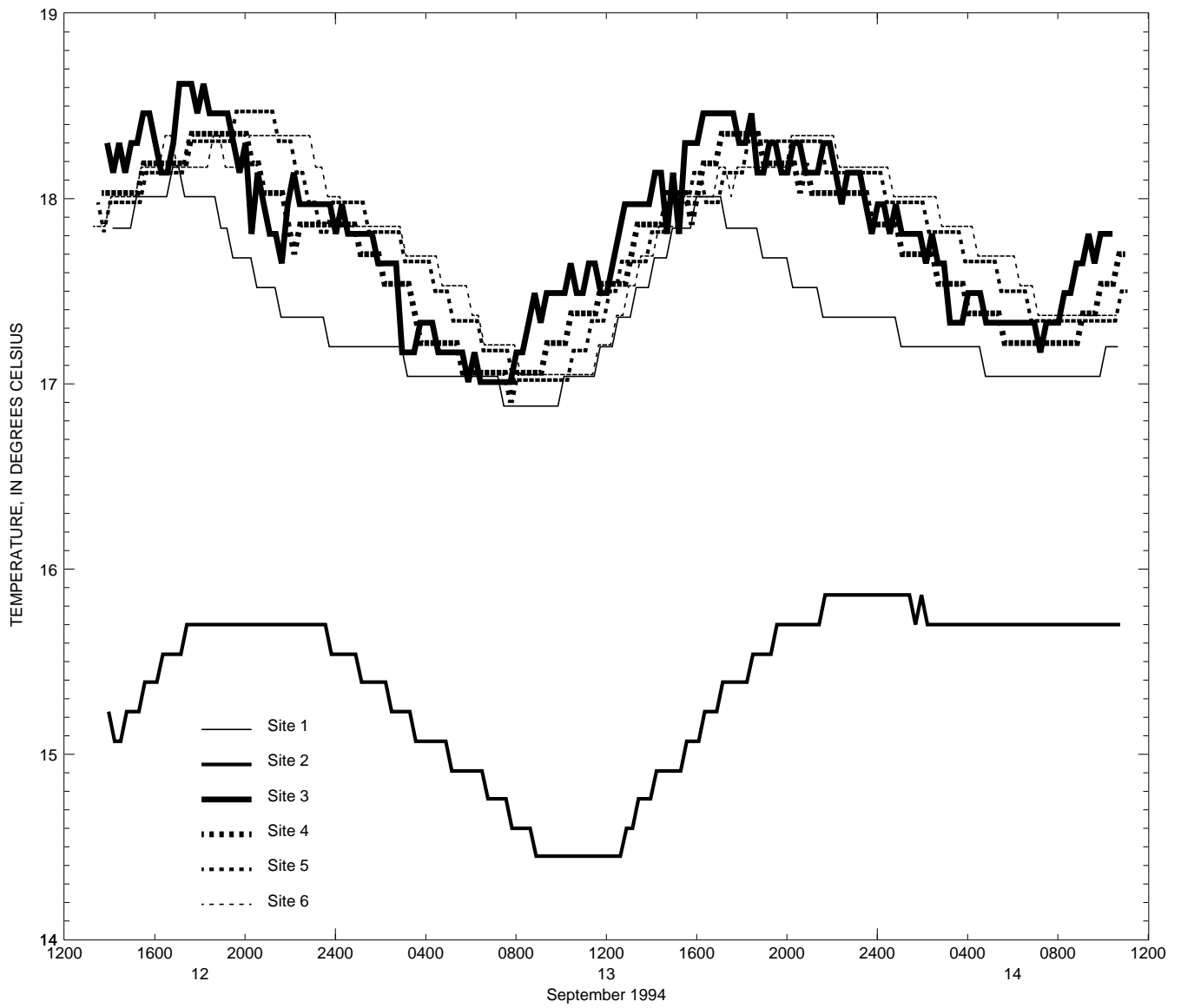
Figure 8. Rock Creek wastewater-treatment-plant synoptic survey, October 12–14, 1994.



**Figure 9.** Durham wastewater-treatment-plant synoptic survey, August 9–11, 1994.



**Figure 10.** Durham wastewater-treatment-plant synoptic survey, August 31–September 2, 1994.



**Figure 11.** Durham wastewater-treatment-plant synoptic survey, September 12–14, 1994.

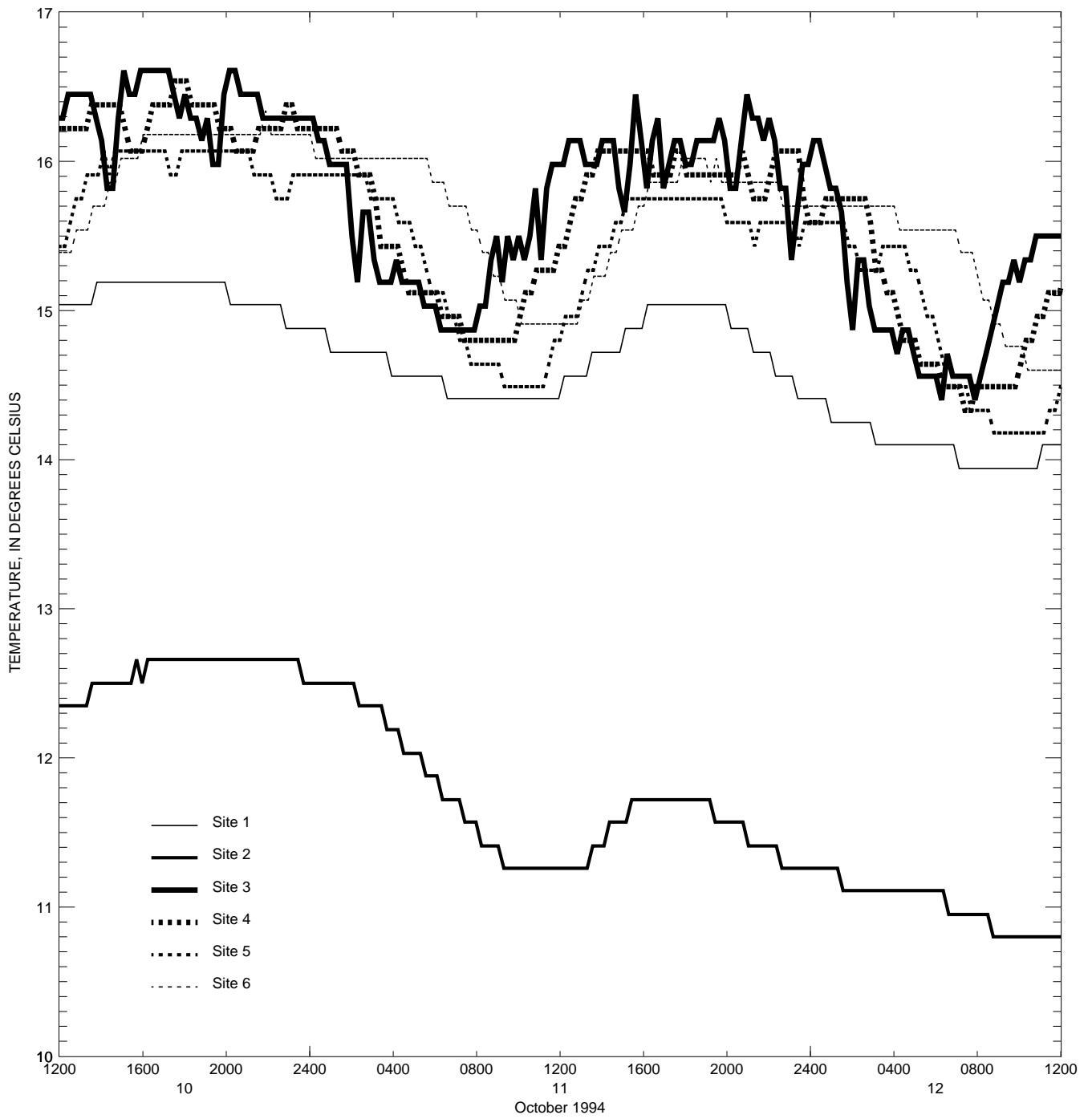


Figure 12. Durham wastewater-treatment-plant synoptic survey, October 10–12, 1994.



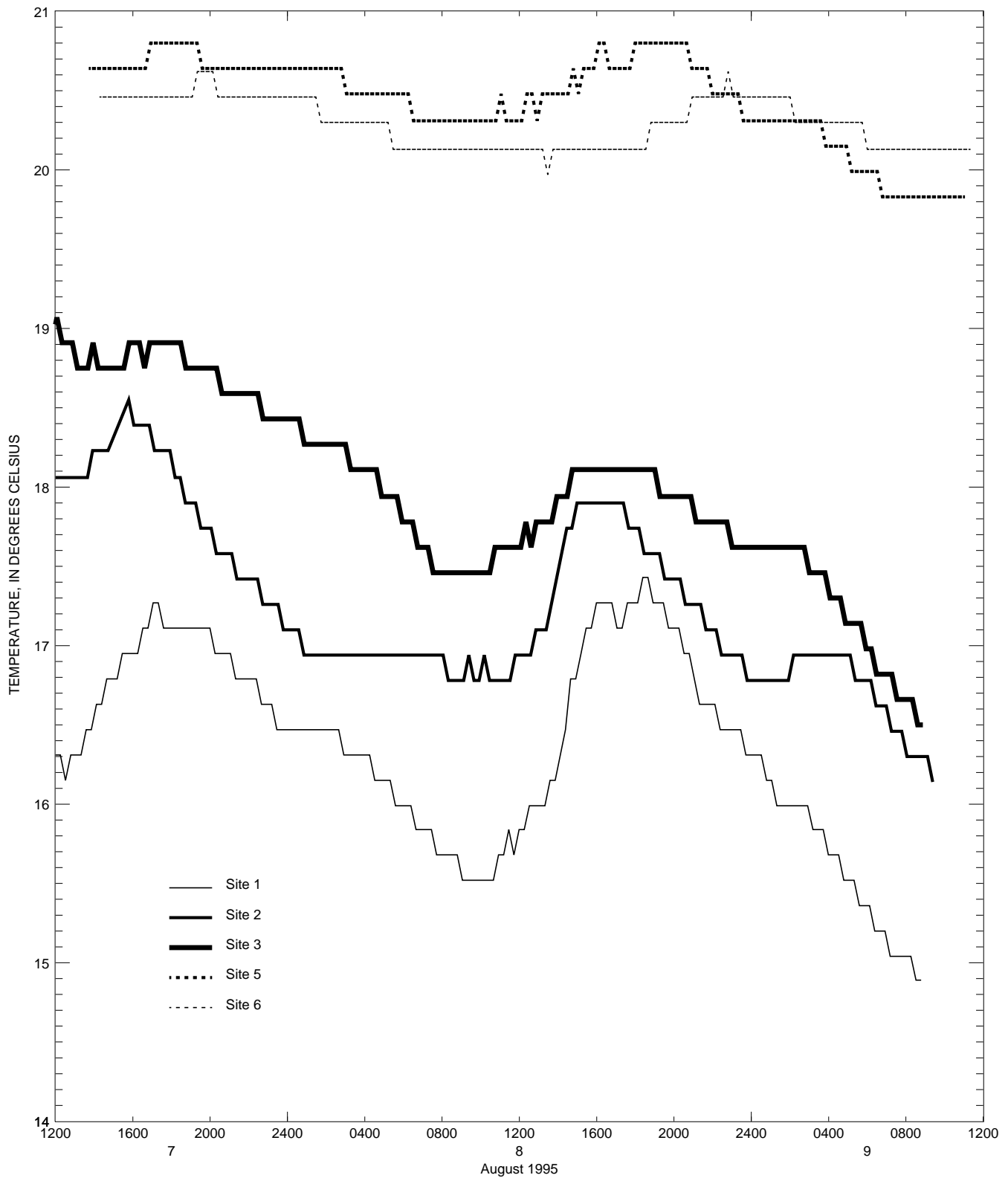


Figure 13. Rock Creek wastewater-treatment-plant synoptic survey, August 7–8, 1995.

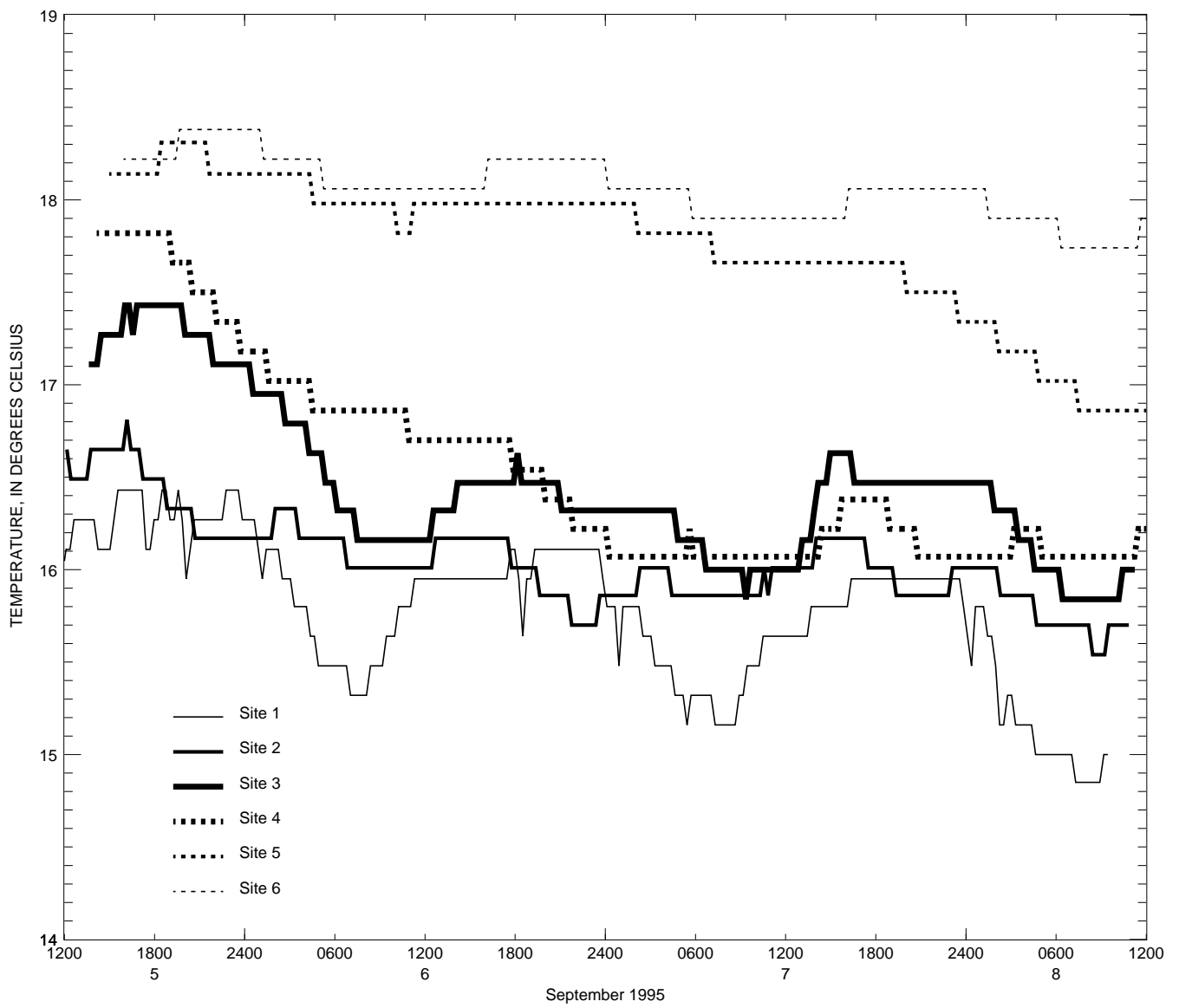


Figure 14. Rock Creek wastewater-treatment-plant synoptic survey, September 5–8, 1995.

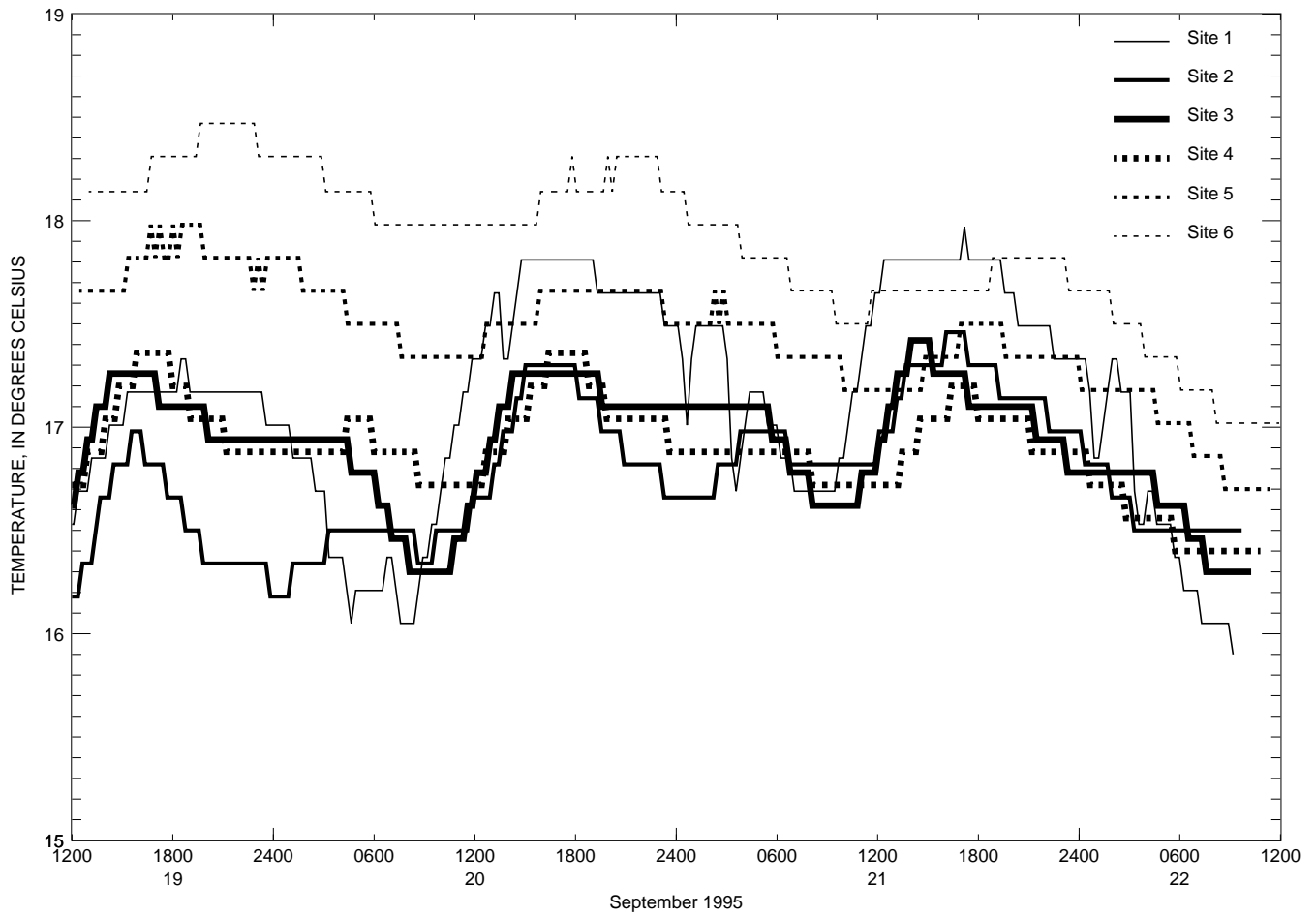


Figure 15. Rock Creek wastewater-treatment-plant synoptic survey, September 19–22, 1995.

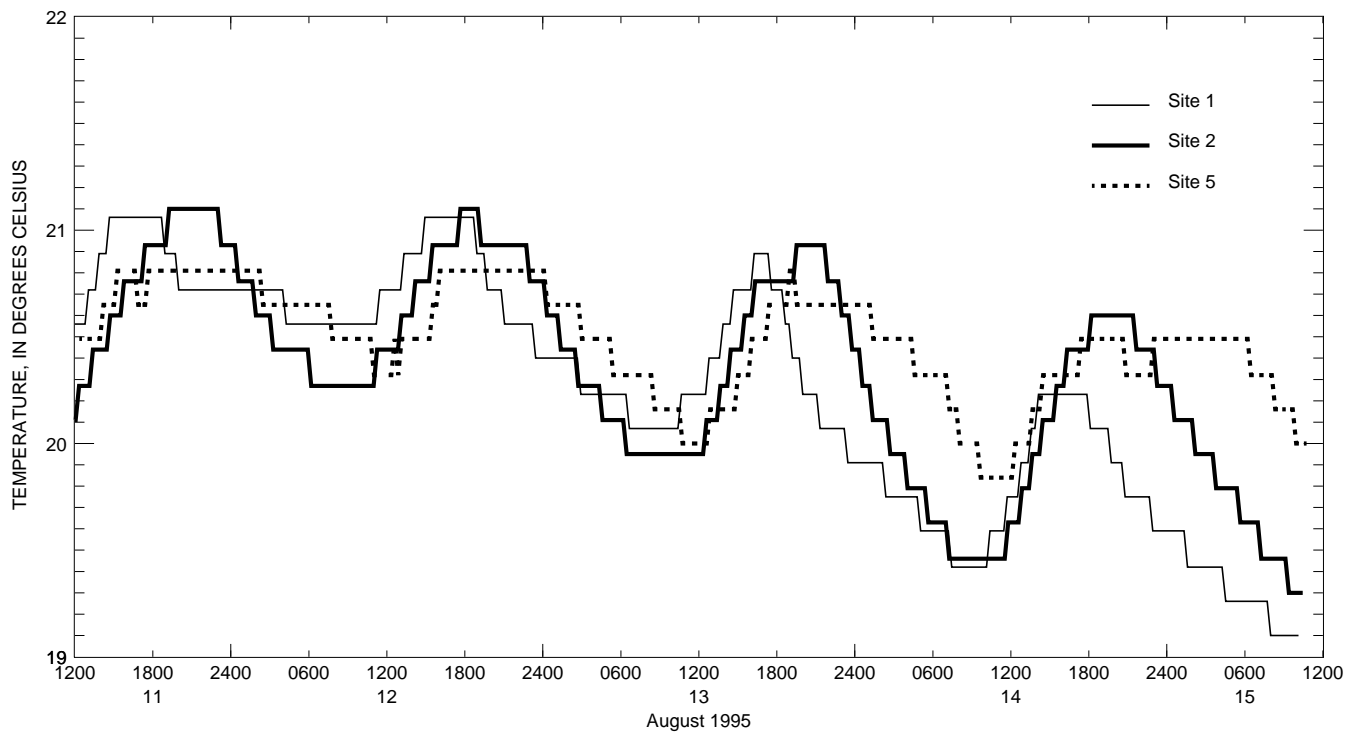


Figure 16. Durham wastewater-treatment-plant synoptic survey, August 11–15, 1995.

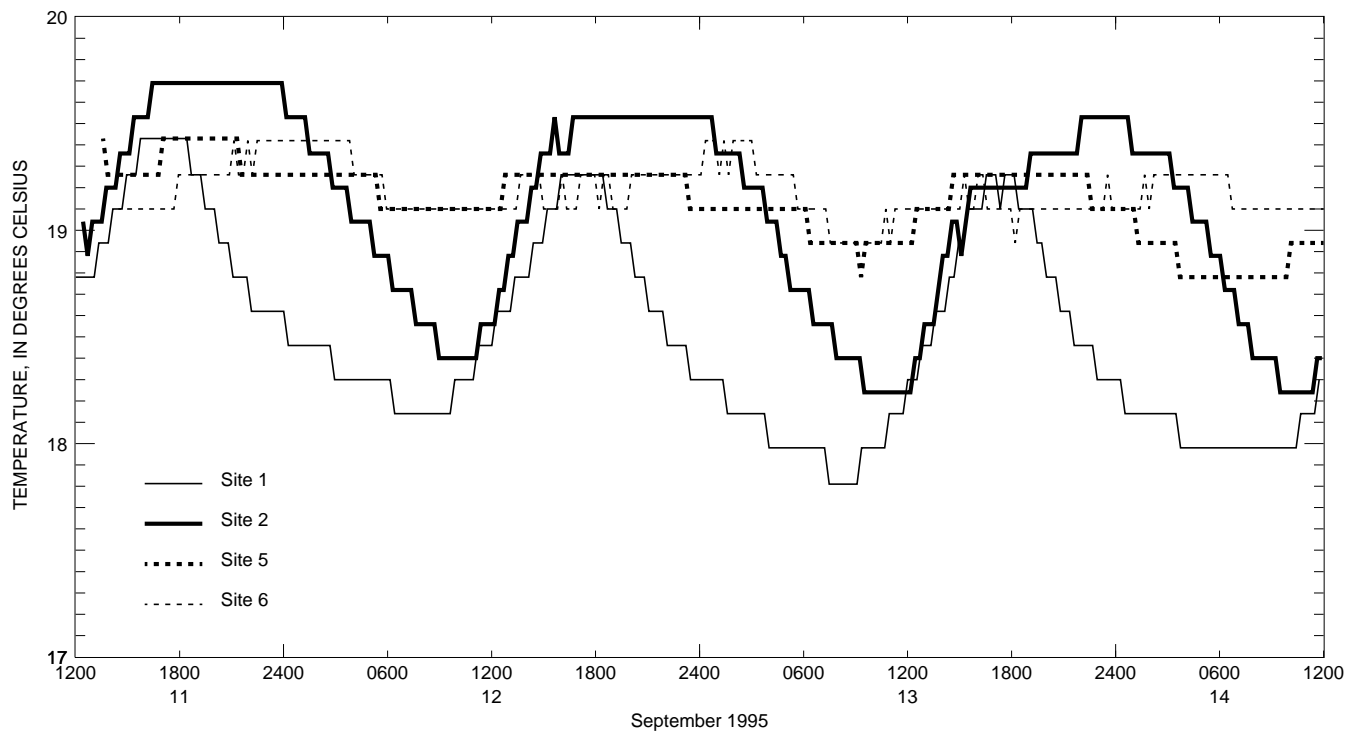


Figure 17. Durham wastewater-treatment-plant synoptic survey, September 11–14, 1995.

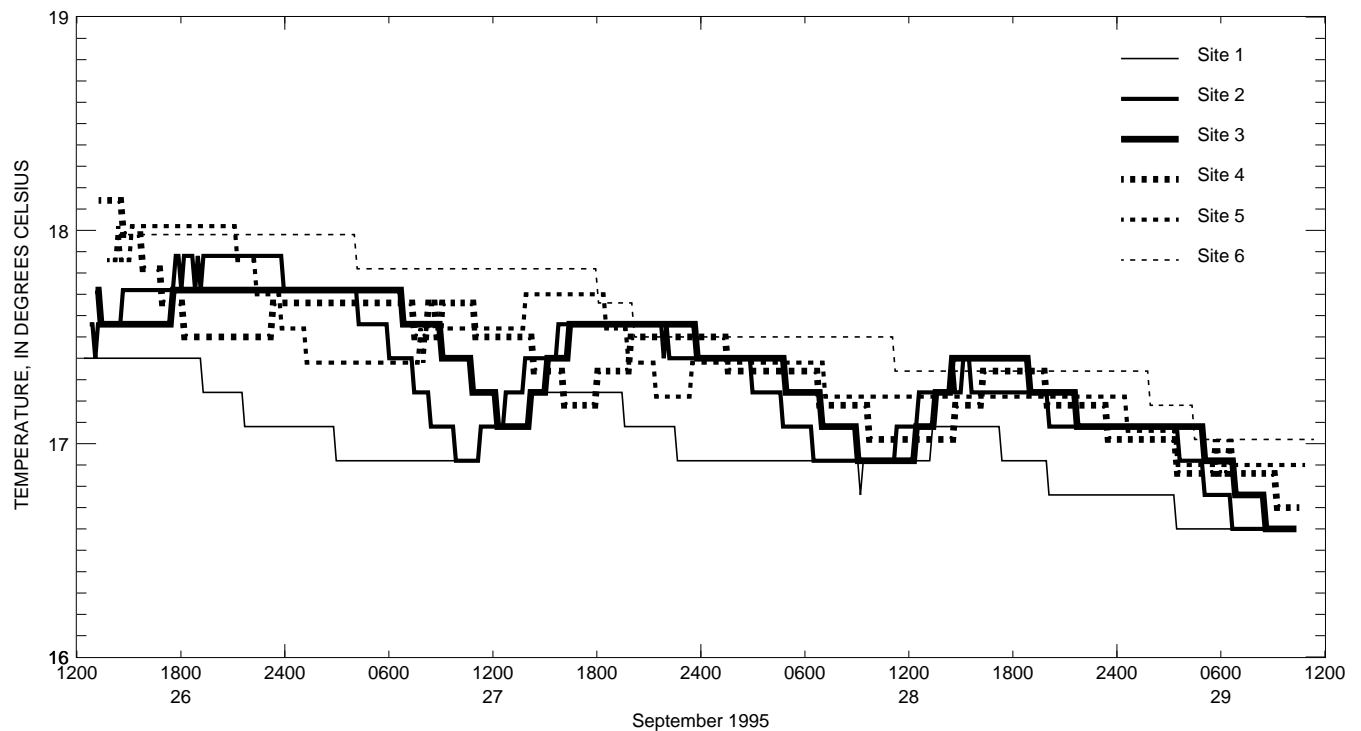


Figure 18. Durham wastewater-treatment-plant synoptic survey, September 26–29, 1995



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## DATA TABLES

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**Table 1.** List of U.S. Geological Survey fixed-station continuous monitoring sites for the temperature modeling study in the Tualatin River Basin, Oregon  
 ["WT" = water temperature; "AT" = air temperature; "SP" = specific conductance; "WS" = wind speed; "SR" = solar radiation; "X" = data collected; --- = data not collected]

Station name	Station number	Station location		WT	Data parameter			
		Latitude	Longitude		AT	SP	WS	SR
Tualatin River near Gaston	14202500	45°26'15"	123°10'05"	X	---	---	---	---
Scoggins Creek near Gaston	14202980	45°28'10"	123°11'56"	X	---	---	X	X
Tualatin River near Dilley	14203500	45°28'30"	123°07'23"	X	---	---	---	---
Gales Creek at Route 47 at Forest Grove	14204530	45°30'39"	123°06'52"	X	---	---	---	---
Tualatin River at Golf Course Road near Cornelius	14204800	45°30'08"	123°03'18"	X	X	---	---	---
Dairy Creek at Route 8 near Hillsboro	14206200	45°31'12"	123°00'34"	X	---	---	---	---
Tualatin River at Rood Bridge at Hillsboro	14206440	45°29'25"	122°57'01"	X	---	X	---	---
Rock Creek near Hillsboro	14206450	45°30'09"	122°56'48"	X	X	---	---	---
Tualatin River at Meriwether Irrig. near Hillsboro	14206460	45°28'42"	122°56'24"	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>	---	---
Tualatin River at Farmington	14206500	45°27'00"	122°57'00"	X <sup>2</sup>	---	X <sup>2</sup>	---	---
Tualatin River near Scholls	14206700	45°23'39"	122°53'51"	X	X <sup>1</sup>	---	---	---
Tualatin River at R.M. 10.0 near Tualatin	14206800	45°23'28"	122°46'22"	X	---	X	---	---
Durham Waste-water Treatment Plant near Durham	452350-122455000	45°23'50"	122°45'50"	---	X <sup>2</sup>	---	X	X
Rock Creek Waste-water Treatment Plant near Hillsboro	452938-122565500	45°29'38"	122°56'55"	---	---	---	X	X

X<sup>1</sup> Data collected in 1995 only.

X<sup>2</sup> Data collected in 1994 only.

**Table 2.** Daily values for water temperature, Tualatin River (Station 14202500) near Gaston, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

MAY 1994 TO AUGUST 1994												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	11.2	8.0	9.6	12.5	9.4	10.7	---	---	---	---	---	---
2	10.7	9.0	9.7	12.8	9.6	11.1	---	---	---	---	---	---
3	10.1	8.5	9.3	12.7	10.4	11.5	---	---	---	21.4	17.8	19.5
4	13.4	9.5	11.0	12.8	11.3	12.1	---	---	---	21.3	17.5	18.7
5	14.9	9.8	12.1	12.8	10.9	11.5	---	---	---	19.3	16.8	18.1
6	16.3	11.0	13.5	12.2	10.6	11.3	---	---	---	19.6	15.9	17.7
7	17.2	12.3	14.7	13.2	10.2	11.5	---	---	---	19.6	17.3	17.9
8	16.1	12.1	14.2	13.0	9.6	11.2	---	---	---	17.6	15.4	16.5
9	15.6	11.8	13.8	15.2	11.0	12.5	---	---	---	20.1	15.1	17.2
10	16.5	12.0	14.0	16.6	12.4	14.1	---	---	---	20.8	16.2	18.4
11	16.4	13.0	14.7	16.6	14.1	15.4	---	---	---	20.9	17.3	19.3
12	15.4	12.8	13.9	16.5	14.4	15.2	19.7	15.3	17.5	21.4	17.6	19.5
13	14.1	11.1	12.4	15.1	13.3	14.2	19.9	15.8	17.9	21.5	17.8	19.7
14	13.2	10.8	12.0	14.8	11.6	12.8	---	---	---	21.5	18.2	19.4
15	13.5	11.4	12.4	12.8	9.9	11.4	---	---	---	20.0	16.8	18.5
16	12.9	11.0	11.8	13.7	10.0	11.6	20.7	16.8	18.9	20.0	16.8	18.5
17	12.3	10.7	11.5	13.7	10.2	11.9	20.7	17.4	19.3	19.8	16.6	18.4
18	13.7	10.6	11.8	14.4	10.6	12.3	21.1	17.7	19.6	19.7	16.6	18.2
19	13.8	11.4	12.6	16.8	10.8	13.5	22.2	18.5	20.4	18.9	16.5	17.5
20	13.6	11.7	12.4	---	---	---	23.1	19.2	21.2	18.4	16.2	17.3
21	13.6	11.5	12.4	---	---	---	23.5	20.3	22.1	18.2	16.1	17.0
22	16.0	11.7	13.5	---	---	---	23.5	20.7	22.3	17.3	15.6	16.5
23	17.2	12.6	14.8	---	---	---	23.7	20.4	22.2	18.6	15.1	16.7
24	18.2	13.8	16.0	---	---	---	23.6	19.0	20.4	18.6	15.4	17.2
25	18.1	14.9	16.0	---	---	---	20.6	16.5	18.3	19.2	15.9	17.5
26	15.2	12.4	13.5	---	---	---	21.5	17.2	19.3	19.3	16.6	18.1
27	13.2	9.7	11.1	---	---	---	22.5	18.2	20.3	19.4	16.1	17.8
28	11.5	9.7	10.3	---	---	---	22.5	18.8	20.7	19.5	17.5	18.3
29	12.3	9.7	10.6	---	---	---	21.9	17.8	19.2	18.1	16.0	17.0
30	13.5	9.5	11.3	---	---	---	19.8	16.1	18.1	19.0	15.0	16.8
31	13.5	11.2	11.9	---	---	---	---	---	---	19.3	16.2	17.8



**Table 2.** Daily values for water temperature, Tualatin River (Station 14202500) near Gaston, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	SEPTEMBER 1994 TO NOVEMBER 1994								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	19.3	16.0	17.3	17.0	15.9	16.4	9.7	8.2	8.9
2	17.7	14.5	15.8	16.5	13.9	14.8	8.2	7.1	7.7
3	17.7	15.5	16.5	13.9	12.3	12.9	7.1	5.9	6.3
4	17.6	15.0	16.4	12.8	11.8	12.3	6.5	5.9	6.2
5	18.4	14.9	16.6	12.4	11.1	11.7	6.5	5.7	6.1
6	18.4	15.6	17.1	12.9	11.7	12.2	7.3	6.0	6.5
7	18.1	15.3	16.7	12.5	11.5	12.1	7.2	6.6	6.9
8	17.8	16.2	16.9	12.8	10.9	11.9	7.4	6.9	7.1
9	16.7	15.1	15.8	12.8	11.3	12.2	8.5	7.2	8.0
10	16.1	14.5	15.2	12.6	11.7	12.2	7.8	6.6	7.0
11	16.5	13.9	15.1	12.2	10.4	11.1	6.9	6.4	6.6
12	16.3	13.2	14.8	11.1	9.7	10.4	7.1	6.4	6.7
13	16.1	13.4	14.7	10.8	9.2	9.9	7.6	6.4	7.0
14	16.6	14.8	15.7	11.0	9.8	10.3	7.9	7.0	7.5
15	17.9	14.7	16.1	10.7	9.5	10.0	7.2	6.8	7.0
16	18.6	15.3	16.9	9.9	8.4	9.0	7.1	6.0	6.5
17	19.0	16.1	17.5	9.3	8.3	8.9	6.0	5.0	5.5
18	19.0	16.2	17.6	9.1	7.4	8.1	5.0	4.3	4.7
19	18.7	15.7	17.2	9.5	7.6	8.4	5.7	5.0	5.3
20	18.5	16.3	17.4	11.0	9.1	9.9	6.2	5.1	5.5
21	18.5	16.5	17.5	11.6	10.7	11.1	5.3	4.8	5.0
22	18.2	15.8	17.0	11.3	9.2	10.0	4.9	4.3	4.5
23	18.0	15.3	16.6	10.4	9.5	9.9	6.0	4.4	5.2
24	17.8	15.3	16.4	10.0	8.8	9.3	6.4	5.4	5.8
25	17.2	14.8	16.1	9.7	8.5	9.0	6.6	5.7	6.2
26	17.4	15.0	16.3	11.6	9.7	10.6	6.2	5.3	5.7
27	17.4	14.7	16.0	11.2	10.5	10.9	6.1	5.6	5.9
28	17.1	15.4	16.2	10.5	9.5	9.9	6.7	5.4	6.0
29	16.8	16.0	16.4	9.5	7.8	8.4	7.6	6.5	6.9
30	16.8	16.1	16.5	9.2	8.2	8.6	8.1	7.5	7.8
31	---	---	---	10.6	9.0	9.6	---	---	---

**Table 2.** Daily values for water temperature, Tualatin River (Station 14202500) near Gaston, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	11.7	10.4	10.8	18.4	13.7	16.1	21.7	17.8	19.8	22.6	19.3	20.8
2	13.0	10.0	11.1	18.0	14.1	16.2	21.1	17.5	18.8	22.4	20.0	21.1
3	11.9	9.6	10.7	17.6	13.4	15.6	19.4	16.7	17.7	22.5	19.5	20.9
4	11.0	9.7	10.5	16.8	13.7	14.8	19.5	16.0	17.7	23.7	20.5	21.8
5	10.4	9.6	10.0	14.4	12.0	13.3	18.9	16.1	17.5	22.9	20.5	21.6
6	11.5	9.6	10.5	13.2	10.8	11.7	18.2	15.6	16.4	21.3	18.1	19.4
7	11.0	9.8	10.5	15.7	11.2	13.1	18.0	14.9	16.2	18.3	16.7	17.6
8	12.7	9.8	11.0	17.3	12.2	14.7	20.8	15.8	18.0	19.7	17.5	18.3
9	11.8	10.2	10.8	18.3	13.6	15.9	20.7	16.9	18.1	20.7	17.5	18.9
10	11.0	9.7	10.4	17.5	13.8	15.1	18.3	14.4	16.3	19.9	18.2	19.2
11	12.1	9.7	10.7	16.3	11.7	13.8	19.1	14.7	16.7	18.3	16.7	17.6
12	12.0	8.5	10.0	15.3	12.4	13.4	18.7	15.0	16.9	18.0	16.3	17.2
13	13.7	8.6	10.8	13.8	12.2	12.9	18.0	15.0	16.4	18.4	15.6	16.8
14	15.4	10.1	12.6	13.6	12.0	12.7	18.0	15.9	17.0	19.2	16.5	17.7
15	16.2	11.5	13.7	13.6	12.2	12.9	20.3	15.6	17.8	19.4	18.2	18.8
16	14.8	12.1	13.0	13.8	12.1	12.9	21.8	17.9	19.9	18.7	17.1	17.8
17	12.9	11.0	11.6	14.9	12.4	13.5	23.0	19.2	21.3	17.4	15.9	16.6
18	13.6	10.0	11.4	14.1	12.2	13.1	22.9	20.2	21.8	17.5	14.9	16.2
19	14.6	9.3	11.8	13.9	11.8	12.8	23.4	20.6	22.2	19.0	16.0	17.3
20	15.9	10.7	13.2	15.3	12.0	13.3	23.6	20.8	22.4	20.3	17.5	18.7
21	16.1	11.8	14.0	15.0	12.6	13.7	23.1	19.9	21.1	20.5	18.4	19.4
22	16.6	12.2	14.4	17.5	12.3	14.5	20.7	19.1	19.9	20.2	17.9	19.1
23	16.6	12.2	14.5	19.3	14.1	16.5	19.9	18.4	19.1	19.4	17.9	18.7
24	16.9	12.3	14.6	19.9	15.4	17.7	20.7	18.2	19.4	18.2	16.0	17.2
25	17.5	12.9	15.2	19.9	15.4	17.8	21.1	17.5	19.5	18.0	15.9	17.0
26	17.3	12.7	15.1	19.9	15.5	17.8	20.9	18.3	19.3	17.4	15.8	16.7
27	16.7	12.9	14.9	20.2	15.5	17.9	21.2	17.2	19.1	18.5	16.1	17.1
28	18.3	13.1	15.6	20.1	15.8	18.1	21.2	18.7	20.1	18.8	16.8	17.6
29	19.2	14.3	16.8	20.8	16.2	18.5	20.2	17.5	18.4	18.5	17.2	17.8
30	18.7	14.5	16.8	21.8	17.0	19.3	19.5	16.0	17.6	18.7	16.7	17.7
31	18.0	13.9	16.2	---	---	---	21.4	18.2	19.6	19.3	16.9	18.1

**Table 2.** Daily values for water temperature, Tualatin River (Station 14202500) near Gaston, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1995 TO NOVEMBER 1995									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	20.4	17.8	18.9	15.6	13.0	14.0	5.8	4.3	5.0
2	20.0	18.5	19.1	14.4	13.7	14.2	5.1	3.5	4.2
3	19.0	17.4	18.2	14.7	14.0	14.4	4.4	3.0	3.7
4	18.0	16.3	17.1	14.5	12.5	13.3	4.6	3.6	4.0
5	18.0	16.8	17.3	13.2	11.3	12.3	6.6	4.6	5.4
6	17.5	15.7	16.4	13.1	12.2	12.7	7.7	6.4	6.8
7	16.0	15.1	15.5	12.7	11.6	12.3	9.5	7.7	8.6
8	17.4	14.7	15.9	12.9	12.3	12.5	10.6	9.5	10.0
9	18.7	16.3	17.4	12.8	12.2	12.5	9.8	8.4	8.8
10	19.8	17.4	18.3	13.0	12.4	12.7	8.5	7.4	7.8
11	19.7	17.7	18.6	13.1	11.5	12.3	10.2	8.4	9.7
12	19.4	17.0	18.1	11.5	10.3	11.0	9.9	9.5	9.7
13	19.7	17.2	18.2	11.0	9.0	10.0	10.8	9.7	10.2
14	20.0	17.5	18.5	11.2	9.1	10.1	10.7	10.0	10.3
15	20.0	18.0	18.8	11.8	9.8	10.8	10.9	10.2	10.5
16	19.3	17.7	18.1	13.3	11.7	12.4	10.4	9.6	10.0
17	17.8	17.0	17.4	12.8	11.2	11.9	10.8	10.0	10.4
18	17.6	15.6	16.6	11.2	9.2	10.1	10.8	9.8	10.2
19	18.2	16.0	16.9	10.2	8.0	9.1	10.0	9.3	9.7
20	18.5	16.5	17.4	10.6	9.2	9.8	9.3	8.0	8.5
21	17.9	16.4	16.9	10.6	9.4	10.0	8.9	8.2	8.5
22	16.6	14.2	15.5	10.1	8.1	8.9	10.1	8.9	9.5
23	16.1	13.7	15.0	10.1	8.5	9.2	10.6	10.1	10.3
24	16.1	14.1	15.2	10.4	9.5	10.0	10.8	10.5	10.6
25	16.5	15.2	15.9	10.5	9.6	9.9	10.7	9.3	10.0
26	16.0	15.0	15.4	11.2	9.9	10.5	9.3	8.8	9.1
27	15.5	14.5	15.0	11.0	9.5	10.2	9.9	8.9	9.1
28	15.3	14.2	14.8	10.1	8.2	9.0	10.5	9.9	10.2
29	15.3	14.4	14.9	9.4	7.4	8.1	---	---	---
30	15.7	14.4	15.2	8.3	6.8	7.2	---	---	---
31	---	---	---	6.9	5.0	5.7	---	---	---

**Table 3.** Daily values for water temperature, Scoggins Creek (Station 14202980) near Gaston, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

DAY	MAY 1994 TO AUGUST 1994											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	7.6	6.8	7.2	8.4	7.1	7.6	---	---	---	9.3	8.3	8.6
2	7.3	6.7	7.0	8.1	7.2	7.6	---	---	---	9.1	8.3	8.7
3	7.4	7.0	7.2	7.8	7.2	7.4	---	---	---	8.9	8.3	8.6
4	7.3	6.9	7.1	7.7	7.3	7.5	---	---	---	9.2	8.4	8.7
5	7.4	6.8	7.1	7.7	7.2	7.4	---	---	---	9.0	8.5	8.8
6	---	---	---	8.7	7.1	7.5	---	---	---	9.3	8.5	8.9
7	---	---	---	7.7	7.3	7.4	---	---	---	9.7	8.5	8.9
8	---	---	---	7.8	7.1	7.4	---	---	---	9.5	8.5	9.0
9	8.3	7.1	7.4	9.3	7.3	7.9	---	---	---	9.6	8.4	9.0
10	7.4	6.9	7.2	8.3	7.4	7.7	---	---	---	9.8	8.4	9.1
11	7.7	6.9	7.3	7.9	7.1	7.5	---	---	---	9.5	8.6	9.1
12	8.1	6.9	7.5	7.7	7.1	7.4	8.0	7.5	7.8	9.8	8.8	9.3
13	7.9	6.8	7.3	8.1	7.2	7.5	8.2	7.5	7.8	9.9	8.8	9.2
14	7.9	6.9	7.4	8.3	7.2	7.6	8.1	7.6	7.8	9.9	8.8	9.3
15	8.1	7.1	7.4	8.7	7.1	7.7	8.2	7.5	7.8	10.4	8.8	9.4
16	7.6	7.1	7.3	8.4	7.2	7.7	8.1	7.6	7.8	10.5	8.8	9.5
17	7.4	7.0	7.2	8.6	7.3	7.8	8.1	7.7	7.9	10.5	9.0	9.6
18	7.5	7.0	7.3	8.6	7.3	7.8	8.3	7.7	8.0	10.5	9.0	9.7
19	7.7	7.1	7.4	9.0	7.1	8.0	8.4	7.8	8.0	10.5	9.2	9.8
20	8.9	7.1	7.4	---	---	---	8.3	7.9	8.1	10.5	9.5	10.0
21	7.8	7.3	7.5	---	---	---	8.4	7.8	8.1	10.4	9.2	10.0
22	8.0	7.3	7.6	---	---	---	8.6	7.9	8.2	10.7	9.7	10.2
23	8.1	7.1	7.6	---	---	---	9.0	7.8	8.3	10.6	9.7	10.3
24	8.2	7.2	7.6	---	---	---	8.7	8.0	8.3	11.6	9.4	10.5
25	7.6	7.0	7.4	---	---	---	8.9	8.0	8.4	11.3	9.5	10.5
26	7.7	7.0	7.3	---	---	---	8.5	8.1	8.3	11.5	9.6	10.7
27	7.7	7.0	7.3	---	---	---	9.1	8.1	8.5	11.5	10.1	10.8
28	7.8	7.0	7.3	---	---	---	8.8	8.2	8.4	11.4	10.1	10.9
29	7.5	7.0	7.3	---	---	---	9.0	8.1	8.4	11.6	10.4	11.0
30	7.8	7.2	7.4	---	---	---	8.9	8.2	8.5	12.1	10.5	11.2
31	8.6	7.1	7.4	---	---	---	9.3	8.1	8.6	12.2	10.4	11.4

**Table 3.** Daily values for water temperature, Scoggins Creek (Station 14202980) near Gaston, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1994 TO NOVEMBER 1994									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	12.9	10.3	11.5	17.3	15.5	16.9	13.5	12.6	12.9
2	12.4	10.7	11.7	18.4	16.5	17.3	12.8	12.1	12.5
3	12.4	10.9	11.8	17.8	16.4	17.1	12.2	11.8	12.0
4	12.2	11.2	11.9	18.3	16.9	17.4	12.1	11.7	11.9
5	12.6	11.6	12.1	18.3	16.1	17.4	12.1	11.2	11.6
6	12.8	11.7	12.5	17.7	16.9	17.4	11.4	11.1	11.3
7	13.6	11.5	12.5	17.7	17.2	17.5	11.4	11.1	11.3
8	13.5	11.5	12.8	17.7	17.2	17.4	11.1	10.8	10.9
9	13.7	12.0	13.1	17.9	17.0	17.4	11.3	10.6	11.0
10	13.7	12.1	12.9	17.6	17.0	17.3	10.9	10.6	10.8
11	13.7	12.0	13.1	17.5	17.0	17.3	10.8	10.5	10.7
12	14.3	11.7	13.4	17.3	16.8	17.1	10.6	10.4	10.6
13	14.1	12.8	13.6	16.9	16.3	16.7	10.5	10.0	10.3
14	14.3	13.0	13.6	17.0	16.1	16.7	10.2	10.0	10.1
15	14.6	12.8	13.7	16.7	16.4	16.5	10.3	10.0	10.2
16	14.5	12.8	13.8	16.4	15.9	16.2	10.2	9.8	10.0
17	14.9	13.5	14.0	16.2	15.7	15.9	10.0	9.6	9.8
18	15.8	12.3	14.1	15.8	15.5	15.7	9.7	9.1	9.4
19	16.3	13.4	14.8	15.7	15.2	15.5	9.2	8.9	9.1
20	16.8	13.1	15.1	15.5	15.0	15.4	9.2	8.9	9.0
21	16.3	14.3	15.3	15.7	15.1	15.4	8.9	8.6	8.8
22	16.4	14.4	15.5	15.5	15.1	15.2	8.7	8.4	8.5
23	16.4	14.5	15.5	15.2	14.7	14.9	8.5	8.3	8.4
24	16.5	15.1	15.8	15.1	14.8	15.0	8.3	8.2	8.3
25	17.5	14.4	15.9	15.0	14.7	14.8	8.4	8.1	8.2
26	17.5	14.7	16.3	14.8	14.4	14.6	8.2	8.1	8.2
27	17.7	15.3	16.6	14.7	14.4	14.6	8.2	8.0	8.1
28	17.7	15.3	16.5	14.7	14.1	14.3	8.1	8.0	8.0
29	17.7	15.7	16.7	14.2	13.6	13.9	8.0	7.8	7.9
30	17.5	15.9	16.6	14.0	13.5	13.8	8.0	7.9	8.0
31	---	---	---	13.8	13.0	13.5	---	---	---

**Table 3.** Daily values for water temperature, Scoggins Creek (Station 14202980) near Gaston, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	7.4	7.1	7.3	8.0	7.2	7.6	8.4	7.9	8.1	8.8	8.1	8.5
2	7.6	7.1	7.4	7.7	7.2	7.5	8.2	8.0	8.1	8.9	8.0	8.4
3	7.6	7.1	7.3	7.9	7.2	7.6	8.5	7.9	8.2	9.3	8.0	8.5
4	7.3	7.1	7.2	7.7	7.3	7.5	8.2	8.0	8.1	8.9	8.1	8.5
5	7.3	7.2	7.3	7.8	7.3	7.5	8.5	7.8	8.2	9.3	8.2	8.6
6	7.6	7.2	7.4	7.7	7.3	7.5	8.3	7.8	8.0	9.1	8.1	8.5
7	7.5	7.0	7.3	7.9	7.4	7.6	8.3	7.8	8.1	9.3	8.3	8.7
8	7.7	7.2	7.4	8.2	7.3	7.7	8.3	7.8	8.1	8.9	8.4	8.7
9	7.5	7.2	7.4	8.0	7.4	7.7	8.3	7.8	8.0	8.9	8.5	8.7
10	7.4	7.2	7.3	7.9	7.5	7.7	8.3	7.8	8.1	9.0	8.6	8.8
11	7.6	7.2	7.4	8.2	7.3	7.7	8.5	7.9	8.1	9.1	8.6	8.8
12	8.6	7.2	7.5	8.0	7.5	7.7	8.5	7.8	8.1	9.2	8.7	8.9
13	7.6	7.1	7.4	7.9	7.5	7.7	8.3	7.8	8.1	9.4	8.7	8.9
14	7.9	7.3	7.6	8.3	7.5	7.8	8.3	7.9	8.2	9.5	8.8	9.1
15	8.5	7.1	7.6	8.6	7.6	8.0	8.3	7.9	8.1	9.6	8.7	9.1
16	8.3	7.2	7.6	8.4	7.8	8.1	8.9	7.9	8.2	9.4	8.9	9.2
17	8.8	7.2	7.6	8.8	7.8	8.1	8.7	8.0	8.3	9.8	8.9	9.3
18	8.2	7.3	7.6	8.5	7.8	8.1	8.5	8.1	8.3	9.7	8.8	9.4
19	8.4	7.3	7.6	8.8	7.8	8.2	8.5	8.0	8.3	9.8	8.8	9.5
20	8.2	7.2	7.7	8.7	8.0	8.2	8.8	8.1	8.3	10.1	8.6	9.5
21	7.9	7.3	7.6	8.9	7.9	8.3	8.6	8.1	8.3	10.1	9.0	9.6
22	7.9	7.2	7.5	9.1	7.8	8.4	9.1	8.0	8.4	10.4	8.9	9.7
23	7.9	7.2	7.5	8.4	7.9	8.1	8.6	8.0	8.3	10.7	9.0	9.7
24	8.5	7.2	7.7	8.4	7.8	8.1	8.6	8.0	8.3	10.8	9.3	10.0
25	8.5	7.2	7.8	8.4	7.7	8.0	8.6	8.0	8.3	10.9	9.0	10.0
26	8.2	7.3	7.7	8.4	7.7	8.0	8.6	8.0	8.3	10.7	9.2	10.1
27	8.1	7.2	7.7	8.6	7.7	8.1	8.8	8.1	8.4	10.8	9.4	10.2
28	8.1	7.3	7.6	8.4	7.7	8.1	8.8	8.1	8.4	10.8	9.6	10.3
29	8.2	7.3	7.7	8.3	7.9	8.1	8.7	8.0	8.3	11.0	9.8	10.5
30	---	---	---	8.3	7.9	8.1	9.0	8.1	8.5	11.2	9.8	10.5
31	---	---	---	---	---	---	9.1	8.1	8.4	11.3	9.9	10.6

**Table 3.** Daily values for water temperature, Scoggins Creek (Station 14202980) near Gaston, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1995 TO NOVEMBER 1995									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	11.5	10.2	10.7	15.5	13.7	14.8	13.8	12.9	13.4
2	11.5	10.2	10.8	15.8	14.9	15.3	13.4	13.0	13.2
3	11.6	10.4	11.1	16.8	14.9	15.7	13.1	12.7	12.8
4	11.6	10.4	11.1	16.0	15.2	15.7	12.8	12.2	12.4
5	12.1	10.3	11.3	16.1	15.3	15.8	12.4	12.1	12.2
6	12.2	10.7	11.4	16.4	15.1	15.9	12.3	12.1	12.2
7	11.8	10.7	11.4	16.6	15.2	16.0	12.2	11.7	12.0
8	11.8	11.0	11.4	16.7	15.6	16.2	12.2	11.9	12.0
9	12.1	11.0	11.6	16.3	15.8	16.1	12.1	11.8	12.0
10	12.3	11.0	11.8	16.6	15.7	16.1	11.8	11.3	11.6
11	12.5	10.8	11.9	16.5	15.8	16.2	11.9	11.3	11.6
12	12.8	10.6	12.0	16.5	16.1	16.3	11.5	11.2	11.4
13	12.8	11.7	12.2	16.4	15.7	16.0	11.7	11.3	11.5
14	13.0	11.6	12.5	16.5	15.3	16.0	11.6	11.2	11.4
15	13.3	11.6	12.6	16.3	14.2	15.8	11.4	11.1	11.3
16	14.0	11.7	12.8	16.4	14.2	16.0	11.7	11.1	11.4
17	13.5	12.4	13.1	16.2	15.1	15.5	11.3	11.0	11.1
18	13.8	12.4	13.2	16.1	15.5	15.9	11.5	11.0	11.3
19	14.2	12.3	13.4	15.9	15.3	15.7	11.5	10.9	11.2
20	14.0	12.9	13.6	15.7	14.5	15.3	11.5	10.9	11.2
21	14.5	13.2	13.8	15.6	15.1	15.4	11.2	10.9	11.0
22	14.6	13.2	13.9	15.2	14.8	15.1	11.2	11.1	11.1
23	14.7	13.5	14.1	15.1	15.0	15.1	11.2	11.1	11.1
24	15.4	13.9	14.4	15.1	14.8	15.0	11.2	10.8	11.0
25	15.1	13.8	14.5	15.0	14.2	14.9	11.3	10.9	11.1
26	15.3	14.1	14.6	15.0	14.2	14.8	11.1	10.5	10.7
27	15.4	14.4	15.0	14.8	14.4	14.6	10.8	10.6	10.7
28	15.2	14.1	14.7	14.6	14.2	14.4	11.1	10.4	10.8
29	15.3	14.2	14.8	14.6	14.2	14.4	11.0	10.6	10.8
30	15.7	13.2	14.6	14.3	14.1	14.2	11.0	10.7	10.8
31	---	---	---	14.1	13.7	13.9	---	---	---

**Table 4.** Daily values for water temperature, Tualatin River (Station 14203500) near Dilley, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

DAY	MAY 1994 TO AUGUST 1994											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	12.4	11.0	11.6	12.4	11.3	11.9	10.5	9.7	10.1	10.9	9.3	10.0
2	11.6	10.3	10.9	13.4	11.8	12.5	10.0	9.2	9.6	10.7	9.0	9.8
3	10.4	9.7	10.0	13.5	11.9	12.6	9.9	8.8	9.3	10.6	9.3	9.9
4	11.0	9.2	10.1	12.8	12.0	12.4	9.3	8.4	8.9	10.5	9.4	9.9
5	13.2	9.3	10.8	12.4	11.5	12.1	10.2	8.5	9.2	10.8	9.2	10.0
6	14.6	11.2	12.6	12.2	11.2	11.6	10.6	8.7	9.7	10.4	9.1	9.8
7	15.5	13.8	14.7	13.1	12.0	12.4	11.0	9.2	10.0	10.5	9.3	9.7
8	15.4	13.8	14.5	12.2	10.8	11.5	10.8	9.1	9.9	10.4	8.9	9.7
9	14.6	13.2	13.9	14.0	12.2	13.1	10.6	8.7	9.6	11.4	9.3	10.3
10	14.0	11.8	12.9	16.2	13.8	14.6	10.5	8.6	9.5	11.8	9.3	10.4
11	13.7	12.4	13.2	14.3	12.2	13.1	10.5	8.4	9.4	11.5	9.9	10.5
12	13.7	12.5	13.0	12.9	12.2	12.6	10.2	8.4	9.2	11.5	9.5	10.5
13	12.5	11.6	11.9	12.8	11.7	12.2	10.5	8.2	9.3	11.3	9.7	10.5
14	11.7	10.8	11.2	13.2	12.2	12.6	10.3	8.3	9.3	11.1	9.4	10.4
15	11.7	11.1	11.5	13.0	11.4	12.2	10.5	8.5	9.4	11.3	9.7	10.5
16	11.5	10.9	11.3	12.9	11.9	12.4	10.5	8.6	9.5	11.5	9.8	10.5
17	11.1	10.5	10.8	13.0	12.1	12.6	10.1	8.5	9.4	11.6	9.6	10.6
18	11.1	9.9	10.4	13.5	12.1	12.8	10.2	8.9	9.5	11.5	9.9	10.6
19	11.4	10.4	10.9	14.9	12.4	13.6	10.5	8.7	9.5	11.4	9.8	10.6
20	11.7	10.7	11.2	16.7	13.3	15.0	10.5	8.8	9.6	11.4	9.9	10.7
21	11.3	10.6	10.9	13.3	11.0	11.8	10.5	9.0	9.7	11.3	10.0	10.7
22	13.7	11.2	12.5	12.1	10.3	11.3	10.2	8.8	9.5	11.9	10.0	11.0
23	15.0	13.1	14.1	11.8	11.1	11.4	10.2	8.8	9.5	12.1	10.6	11.3
24	14.7	13.8	14.2	12.8	10.8	11.8	9.7	8.9	9.3	11.9	10.8	11.4
25	14.3	12.8	13.4	12.4	10.6	11.4	10.2	9.0	9.5	12.9	11.1	11.9
26	12.8	11.0	11.5	11.7	10.6	11.1	10.6	9.1	9.7	12.8	10.8	12.0
27	11.2	10.2	10.8	11.9	10.1	11.0	10.9	8.9	9.9	13.1	10.9	12.0
28	11.0	10.4	10.7	12.1	10.0	11.0	11.0	9.2	9.9	12.7	11.4	12.1
29	11.4	10.3	10.8	11.8	9.8	10.8	10.3	9.2	9.7	12.5	11.2	12.0
30	12.2	10.4	11.3	11.4	9.5	10.5	10.5	8.9	9.7	13.2	11.2	12.1
31	12.4	11.3	11.8	---	---	---	10.4	9.0	9.7	13.4	11.7	12.5



**Table 4.** Daily values for water temperature, Tualatin River (Station 14203500) near Dilley, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1994 TO NOVEMBER 1994									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	13.3	11.7	12.4	17.4	16.4	16.8	10.4	8.8	9.3
2	13.1	11.5	12.3	16.8	14.6	15.9	8.8	8.1	8.4
3	13.5	11.9	12.8	16.5	15.0	15.9	8.1	7.4	7.5
4	13.7	12.3	13.0	16.8	15.6	16.2	7.5	7.3	7.4
5	14.1	12.1	13.1	17.1	15.2	16.1	7.7	7.3	7.5
6	13.9	12.5	13.2	17.2	15.3	16.5	8.1	7.4	7.8
7	14.2	12.4	13.3	17.3	15.6	16.4	8.4	8.0	8.2
8	14.0	12.7	13.5	17.4	15.8	16.6	8.4	8.1	8.3
9	14.1	12.5	13.2	17.1	15.9	16.5	9.1	8.1	8.6
10	13.8	12.9	13.5	16.7	16.2	16.5	8.9	7.8	8.3
11	14.4	13.2	13.8	16.5	15.4	16.0	9.0	8.8	8.8
12	14.1	12.3	13.5	16.1	15.1	15.7	9.3	8.8	9.1
13	14.3	12.1	13.4	15.8	14.7	15.3	9.2	8.5	8.9
14	14.5	13.5	14.1	15.7	15.0	15.4	8.7	8.0	8.4
15	15.3	13.6	14.4	15.5	14.5	15.0	8.7	8.3	8.4
16	15.5	13.6	14.8	15.2	13.8	14.6	8.5	7.6	8.1
17	15.7	14.4	15.0	15.1	14.0	14.4	7.6	6.9	7.2
18	16.0	14.3	15.3	14.5	13.4	14.1	6.9	6.1	6.4
19	17.0	13.8	15.6	14.7	13.3	14.1	6.8	6.4	6.5
20	17.3	14.7	15.9	14.8	14.0	14.4	7.0	6.2	6.6
21	17.2	14.5	16.0	14.7	14.0	14.4	6.7	6.1	6.3
22	17.0	14.9	15.9	14.2	12.8	13.6	6.2	5.7	5.9
23	16.7	15.5	16.0	14.4	13.4	13.9	6.9	5.7	6.1
24	16.6	15.4	16.1	14.3	12.8	13.6	7.3	6.7	6.9
25	16.9	15.5	16.1	14.2	12.8	13.6	7.4	7.1	7.4
26	17.2	15.1	16.4	14.2	12.8	14.0	7.1	6.6	6.9
27	17.5	15.0	16.4	12.8	11.1	11.5	7.1	6.9	7.0
28	17.5	15.7	16.5	11.2	10.2	10.6	7.5	6.5	6.9
29	17.0	16.3	16.5	10.5	9.2	9.7	8.3	7.5	7.7
30	17.2	16.5	16.8	10.1	9.2	9.8	9.1	8.3	8.7
31	---	---	---	10.5	9.3	10.1	---	---	---

**Table 4.** Daily values for water temperature, Tualatin River (Station 14203500) near Dilley, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	11.6	10.0	10.4	14.7	13.2	13.9	12.2	10.5	11.3	11.5	9.7	10.7
2	11.3	9.6	10.3	14.1	12.9	13.5	12.0	10.5	11.1	11.8	9.7	10.6
3	11.2	9.4	10.4	13.3	11.6	12.6	12.4	10.5	11.4	12.3	9.5	10.7
4	11.1	9.8	10.2	13.2	11.7	12.2	12.6	10.8	11.6	12.1	9.8	10.9
5	10.2	9.3	9.5	12.1	11.0	11.5	12.0	10.8	11.5	11.2	9.7	10.6
6	10.5	9.1	9.7	12.1	10.6	11.1	11.6	10.4	10.9	10.6	9.9	10.3
7	10.5	9.7	10.0	13.4	11.0	12.0	12.3	10.4	11.2	11.5	9.8	10.5
8	11.6	9.5	10.3	14.3	12.8	13.6	12.7	10.9	11.7	11.0	9.5	10.2
9	11.7	10.2	10.7	14.7	13.6	14.1	12.3	11.1	11.6	11.2	9.5	10.3
10	10.5	9.8	10.2	13.8	11.8	12.5	12.5	10.3	11.3	10.3	9.6	10.0
11	10.5	9.6	10.1	12.9	10.8	11.8	12.4	10.7	11.6	10.9	9.8	10.3
12	10.7	8.9	9.8	12.8	11.4	11.8	12.0	10.5	11.3	11.0	9.7	10.3
13	11.9	9.1	10.4	11.7	11.0	11.4	11.5	9.9	10.7	11.2	9.6	10.4
14	13.0	10.1	11.4	11.9	11.3	11.6	11.6	9.8	10.7	11.5	9.8	10.7
15	13.7	11.0	12.3	13.4	11.9	12.5	12.1	9.6	10.8	11.6	10.4	10.9
16	14.0	12.1	12.7	13.4	12.8	13.2	12.5	10.0	11.3	11.4	10.3	10.8
17	12.3	10.9	11.4	13.8	13.0	13.3	12.6	10.2	11.3	11.6	10.5	11.0
18	12.0	10.6	11.2	13.5	13.0	13.2	11.7	9.8	10.7	12.4	10.3	11.2
19	12.8	9.2	10.6	13.5	12.4	12.9	11.6	9.7	10.6	12.7	10.6	11.6
20	13.6	11.8	12.7	13.5	12.8	13.1	11.8	9.7	10.6	12.9	10.5	11.7
21	13.9	12.8	13.4	13.8	13.3	13.6	11.2	9.7	10.4	12.8	11.0	11.8
22	13.9	13.0	13.6	15.2	13.2	14.0	10.9	9.9	10.4	12.8	10.6	11.6
23	13.9	12.6	13.3	16.3	14.4	15.4	10.7	9.7	10.2	12.5	10.8	11.4
24	14.1	12.5	13.4	14.4	12.3	13.0	11.5	9.8	10.6	12.7	10.2	11.3
25	14.8	13.8	14.3	13.3	11.3	12.3	12.1	9.7	10.8	12.3	10.4	11.3
26	15.7	14.4	15.0	12.9	11.4	12.1	11.5	10.0	10.8	12.1	10.5	11.2
27	15.1	13.8	14.5	12.8	10.5	11.6	12.3	10.1	11.1	12.4	10.3	11.4
28	15.3	14.1	14.6	12.7	10.5	11.5	11.9	10.0	10.9	12.4	10.4	11.4
29	15.8	15.0	15.5	12.4	10.2	11.2	11.0	9.4	10.2	12.5	10.6	11.5
30	15.8	14.9	15.4	12.4	10.2	11.3	11.5	9.2	10.3	13.1	10.9	11.9
31	14.9	13.6	14.3	---	---	---	11.9	9.9	10.9	13.3	10.7	12.0

**Table 4.** Daily values for water temperature, Tualatin River (Station 14203500) near Dilley, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	SEPTEMBER 1995 TO NOVEMBER 1995								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	13.2	11.1	12.1	15.1	13.7	14.3	10.0	9.1	9.5
2	12.9	11.3	12.1	15.2	13.7	14.4	9.7	8.2	8.9
3	12.6	11.1	11.8	15.5	14.7	15.1	9.6	8.0	8.8
4	13.0	11.3	12.1	15.2	14.1	14.8	9.3	8.1	8.8
5	13.3	11.3	12.4	14.9	13.5	14.3	9.3	8.8	9.0
6	13.0	11.4	12.3	14.9	14.0	14.5	9.3	8.9	9.1
7	12.9	11.8	12.4	14.9	13.6	14.3	9.5	9.1	9.3
8	13.6	12.0	12.8	14.7	14.0	14.5	10.5	9.4	9.8
9	13.9	12.0	13.0	15.0	14.1	14.6	9.7	8.1	8.6
10	14.0	12.1	13.1	15.0	14.3	14.7	8.5	7.7	7.9
11	14.1	12.2	13.2	14.9	13.3	13.9	10.5	8.0	9.4
12	14.3	11.6	13.0	13.3	12.1	12.7	10.5	9.4	9.8
13	14.2	11.5	13.0	12.1	11.4	11.8	10.8	9.6	10.0
14	14.5	12.3	13.3	12.5	11.1	11.7	10.8	10.4	10.6
15	14.4	12.4	13.4	13.3	11.5	12.3	10.9	10.7	10.7
16	14.5	12.4	13.5	14.0	12.8	13.5	11.0	10.3	10.6
17	14.2	12.7	13.5	14.2	13.0	13.8	11.3	10.9	11.1
18	14.6	12.8	13.7	13.0	11.4	11.9	11.3	10.5	10.8
19	15.3	12.8	14.1	12.1	11.1	11.6	10.6	10.2	10.3
20	15.2	13.3	14.4	13.0	12.0	12.4	10.2	8.4	8.8
21	14.9	13.7	14.3	12.9	12.0	12.4	8.7	8.3	8.4
22	14.8	13.4	14.2	12.3	11.5	11.9	9.8	8.7	9.2
23	14.9	13.6	14.3	12.4	11.4	11.9	10.2	9.8	10.0
24	15.3	13.9	14.6	12.7	12.0	12.4	11.3	10.1	10.3
25	15.1	14.6	14.9	12.5	12.1	12.3	11.3	9.5	10.1
26	15.0	14.5	14.9	12.4	11.0	11.5	9.5	8.7	8.9
27	15.7	14.6	15.2	11.7	10.3	10.9	9.1	8.6	8.8
28	15.4	14.9	15.1	10.5	9.6	10.1	10.4	9.1	9.9
29	15.6	14.7	15.0	10.4	8.9	9.6	10.6	10.3	10.5
30	15.9	14.7	15.2	10.2	8.4	9.1	10.3	9.7	10.0
31	---	---	---	10.4	9.5	10.0	---	---	---

**Table 5.** Daily values for water temperature, Gales Creek (Station 14204530) near Forest Grove, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

DAY	MAY 1994 TO AUGUST 1994											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	11.2	10.0	10.5	13.9	12.3	13.1	18.5	17.3	17.9	20.8	18.6	19.7
2	11.3	10.3	10.8	14.7	12.5	13.6	17.8	16.8	17.2	20.9	19.2	20.1
3	10.6	9.9	10.2	14.9	13.0	14.0	16.9	15.4	16.1	21.2	19.8	20.5
4	13.1	10.3	11.3	15.4	13.6	14.6	16.2	15.3	15.6	21.1	20.4	20.7
5	14.4	11.8	12.9	14.9	14.0	14.4	15.6	14.7	15.2	20.4	19.4	19.8
6	15.4	13.9	14.6	14.0	13.3	13.7	17.0	14.8	15.8	20.0	18.7	19.4
7	16.1	15.3	15.8	13.5	12.9	13.2	19.5	17.0	18.0	20.0	18.9	19.4
8	16.2	15.2	15.7	14.0	12.5	13.2	20.2	18.7	19.4	18.9	17.9	18.3
9	15.5	14.8	15.2	16.0	13.6	14.7	20.2	18.4	19.3	19.2	17.4	18.3
10	15.5	14.8	15.2	17.9	15.1	16.5	19.8	17.9	18.9	20.0	17.9	18.9
11	16.2	15.1	15.7	18.6	16.5	17.5	19.7	17.6	18.7	20.4	18.8	19.7
12	15.1	13.8	14.9	18.0	16.7	17.3	20.0	17.5	18.7	20.7	19.1	19.9
13	13.8	12.3	13.0	17.0	15.7	16.2	20.3	18.0	19.0	20.6	19.2	20.0
14	12.5	12.0	12.3	15.7	13.9	14.7	20.2	18.2	19.2	20.5	19.8	20.1
15	12.8	12.2	12.5	13.9	12.9	13.3	20.3	18.0	19.1	19.8	18.8	19.3
16	12.4	12.0	12.2	14.2	13.0	13.5	21.4	19.0	20.0	19.3	18.1	18.7
17	12.6	12.0	12.3	14.5	13.2	13.9	21.3	19.4	20.3	18.9	17.6	18.3
18	13.0	12.0	12.6	14.4	13.4	13.8	21.9	19.5	20.6	18.9	17.8	18.5
19	13.6	12.6	13.1	15.4	13.1	14.1	22.8	20.2	21.4	18.8	17.6	18.0
20	13.6	12.5	13.1	18.7	14.8	16.7	23.9	21.3	22.5	18.6	17.6	18.0
21	13.2	12.4	12.7	19.3	16.5	17.9	24.6	22.3	23.5	18.5	17.5	17.9
22	15.0	12.6	13.8	19.5	16.8	18.2	24.8	22.7	23.7	18.0	16.9	17.5
23	16.8	14.4	15.6	19.2	17.3	17.9	24.7	22.5	23.7	18.2	16.8	17.6
24	18.0	15.2	16.6	17.6	15.4	16.6	24.5	21.8	22.8	18.2	16.6	17.6
25	17.6	15.7	16.8	17.1	15.3	16.4	21.9	20.2	21.1	18.5	17.1	17.9
26	15.7	13.6	14.6	16.9	15.2	15.9	22.1	19.9	21.1	18.7	17.4	18.2
27	13.9	12.3	13.1	17.7	14.8	16.1	22.2	20.3	21.3	19.1	17.6	18.4
28	13.1	12.1	12.6	19.4	16.3	17.8	21.9	20.1	21.1	19.2	18.4	18.9
29	13.5	11.9	12.6	19.3	17.4	18.4	21.4	19.8	20.4	19.0	17.9	18.4
30	14.9	12.8	13.8	18.8	17.2	18.2	20.1	18.3	19.3	18.8	17.3	18.1
31	15.0	13.5	14.3	---	---	---	20.2	18.1	19.2	19.0	17.8	18.6

**Table 5.** Daily values for water temperature, Gales Creek (Station 14204530) near Forest Grove, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1994 TO NOVEMBER 1994									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	18.7	17.3	17.9	17.1	16.7	16.9	9.4	8.8	9.1
2	17.7	16.2	16.7	16.8	14.8	15.4	8.8	7.8	8.2
3	17.5	16.5	16.9	15.0	13.4	14.0	7.9	6.8	7.3
4	17.6	16.6	17.1	13.9	12.7	13.2	7.4	6.9	7.1
5	18.5	16.6	17.5	13.2	11.9	12.5	7.5	7.3	7.4
6	18.7	16.8	17.8	12.7	12.0	12.5	7.4	7.1	7.3
7	18.5	16.8	17.7	12.8	11.9	12.4	7.6	7.4	7.5
8	18.3	17.2	17.7	12.5	11.7	12.2	7.7	7.4	7.6
9	17.8	16.4	16.9	12.5	11.9	12.2	8.2	7.4	7.8
10	16.8	15.9	16.2	12.5	12.1	12.3	8.1	7.0	7.3
11	16.3	15.3	15.7	12.2	11.1	11.5	7.1	6.7	6.9
12	16.1	14.7	15.4	11.4	10.4	10.8	7.1	6.4	6.9
13	16.1	14.6	15.3	10.8	9.7	10.2	7.1	6.7	6.9
14	16.7	15.4	16.0	10.5	10.0	10.3	7.5	7.0	7.2
15	17.3	15.5	16.4	10.5	9.6	10.0	7.6	7.3	7.5
16	18.5	16.2	17.3	10.0	8.9	9.4	7.5	7.0	7.2
17	18.8	17.0	17.9	9.5	8.6	8.9	7.0	6.4	6.6
18	18.8	17.2	18.2	9.1	7.9	8.4	6.6	5.6	5.9
19	19.1	17.4	18.3	8.9	7.7	8.2	6.1	5.6	5.8
20	19.3	18.0	18.7	9.9	8.6	9.1	6.2	5.5	6.0
21	19.3	18.5	19.0	10.8	9.8	10.2	6.1	5.6	5.7
22	18.9	17.7	18.3	10.5	9.6	9.9	5.7	5.2	5.4
23	18.3	17.4	17.8	10.4	9.6	9.9	5.9	5.2	5.4
24	17.7	17.0	17.4	10.2	9.1	9.6	6.4	5.9	6.1
25	17.3	16.6	17.0	9.6	8.6	9.1	6.6	6.4	6.5
26	17.5	16.8	17.2	10.6	9.5	10.0	6.5	6.1	6.3
27	17.8	17.1	17.5	11.0	10.1	10.5	6.3	6.1	6.3
28	17.6	17.2	17.4	10.4	9.3	9.8	6.5	6.0	6.2
29	17.2	17.0	17.1	9.3	8.2	8.8	7.3	6.5	6.8
30	17.1	16.9	17.0	8.4	7.9	8.2	8.1	7.3	7.8
31	---	---	---	9.4	8.4	8.9	---	---	---

**Table 5.** Daily values for water temperature, Gales Creek (Station 14204530) near Forest Grove, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	13.2	10.3	11.3	17.4	16.0	16.7	21.0	19.8	20.5	20.8	18.9	19.7
2	12.7	8.7	10.7	17.4	16.0	16.7	20.9	19.8	20.3	20.7	19.1	20.0
3	12.8	9.7	10.8	17.1	15.8	16.4	19.8	18.8	19.2	21.6	19.0	20.3
4	11.2	9.5	10.4	16.9	15.8	16.3	19.0	17.7	18.4	22.5	19.7	21.0
5	10.7	9.1	10.0	15.8	13.9	14.5	18.9	18.0	18.4	22.1	20.1	21.1
6	11.3	9.1	10.2	13.9	12.4	13.0	18.6	17.7	18.1	21.3	19.0	19.6
7	11.8	10.4	11.0	14.2	12.0	12.8	18.0	17.0	17.5	19.1	17.7	18.3
8	12.5	10.7	11.6	16.4	14.0	15.1	19.4	17.5	18.2	18.6	17.5	18.0
9	12.7	11.1	11.7	17.5	15.5	16.4	19.7	19.1	19.4	19.3	17.0	18.1
10	11.5	10.5	11.0	17.3	15.6	16.6	19.2	17.5	18.1	19.2	18.3	18.6
11	12.4	10.0	11.3	15.6	13.8	14.6	18.3	16.9	17.6	18.5	17.6	18.0
12	12.5	10.1	11.3	15.0	14.2	14.6	18.5	17.3	18.0	18.2	17.1	17.5
13	13.6	10.0	11.7	14.4	13.5	13.8	18.5	17.2	17.8	17.5	16.2	16.8
14	15.2	11.9	13.5	13.5	12.8	13.0	18.2	17.6	17.9	17.6	16.4	17.0
15	15.6	13.5	14.9	13.0	12.7	12.9	19.1	17.6	18.3	18.1	17.2	17.6
16	16.0	13.6	14.7	13.1	12.9	13.0	20.7	19.1	19.6	17.9	17.1	17.3
17	13.7	12.1	12.8	14.0	12.8	13.3	22.4	20.6	21.3	17.2	16.2	16.6
18	12.5	11.2	12.0	13.8	13.3	13.5	23.2	21.9	22.4	16.8	15.6	16.2
19	14.2	12.0	12.9	13.3	12.6	12.9	24.0	22.5	23.1	17.7	15.6	16.5
20	15.0	13.6	14.5	13.1	12.9	13.0	24.0	22.7	23.3	18.9	16.7	17.6
21	15.5	14.4	15.3	13.6	12.9	13.1	23.8	22.3	22.9	19.5	17.5	18.5
22	16.2	14.9	15.8	15.3	13.2	14.0	22.6	21.1	21.5	19.6	17.7	18.7
23	16.3	15.4	16.0	17.7	14.9	16.1	21.1	20.2	20.5	19.4	17.9	18.5
24	16.5	15.7	16.1	18.9	16.8	17.8	20.3	19.6	20.0	18.5	16.7	17.5
25	17.3	16.3	16.8	19.0	17.1	18.1	20.5	19.1	19.8	18.0	16.1	17.1
26	17.3	16.6	16.9	19.2	17.2	18.2	20.3	19.6	19.9	17.9	16.0	16.8
27	---	---	---	19.6	17.5	18.7	20.8	19.1	19.8	17.9	16.2	17.0
28	---	---	---	19.7	18.1	19.0	20.8	19.8	20.3	17.9	16.8	17.3
29	---	---	---	20.0	18.3	19.2	20.5	18.8	19.3	17.9	16.8	17.4
30	---	---	---	20.6	19.1	19.8	19.2	17.4	18.2	18.4	16.7	17.5
31	---	---	---	---	---	---	19.9	18.1	18.8	18.8	16.8	17.8

**Table 5.** Daily values for water temperature, Gales Creek (Station 14204530) near Forest Grove, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1995 TO NOVEMBER 1995									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	19.5	17.3	18.3	16.0	15.3	15.6	7.0	6.0	6.6
2	19.5	18.1	18.8	15.7	15.2	15.4	6.0	5.3	5.6
3	19.4	18.2	18.6	15.7	15.2	15.4	5.3	4.9	5.1
4	18.5	17.5	18.0	15.3	14.7	15.0	5.3	4.8	5.1
5	18.0	17.3	17.6	14.8	14.0	14.3	6.2	5.3	5.7
6	17.6	16.8	17.0	14.4	13.8	14.1	7.4	6.2	6.7
7	16.8	16.5	16.7	14.2	13.2	13.6	9.3	7.4	8.3
8	16.8	15.7	16.2	13.8	13.2	13.5	10.4	9.3	10.0
9	18.1	16.3	17.0	13.7	13.2	13.5	10.3	9.2	9.7
10	19.0	17.5	18.0	13.9	13.4	13.6	9.3	8.0	8.5
11	19.1	17.7	18.4	13.8	13.3	13.6	10.1	8.2	9.5
12	19.1	17.6	18.3	13.3	12.3	12.8	10.0	9.5	9.7
13	19.4	17.7	18.5	12.3	11.5	11.7	10.2	9.6	9.7
14	19.7	18.0	18.9	11.7	11.0	11.4	10.2	10.0	10.1
15	19.7	18.4	19.1	12.1	11.6	11.9	10.3	10.0	10.1
16	19.7	18.3	18.8	13.1	12.1	12.7	10.3	9.7	9.9
17	18.6	18.1	18.4	13.3	13.0	13.2	9.8	9.7	9.8
18	18.4	17.1	17.7	13.2	11.4	12.2	10.0	9.6	9.8
19	18.2	16.8	17.5	11.4	10.5	10.9	9.7	9.3	9.5
20	18.5	17.3	17.9	11.1	10.6	10.8	9.4	8.2	8.8
21	18.4	17.2	17.7	11.1	10.7	11.0	8.2	7.9	8.1
22	17.7	15.8	16.6	10.9	10.5	10.7	8.5	8.0	8.2
23	16.8	15.3	15.8	10.5	10.2	10.3	9.1	8.5	8.8
24	16.2	15.3	15.7	11.0	10.4	10.7	9.3	9.1	9.2
25	16.6	16.0	16.3	11.0	10.7	10.9	9.3	8.9	9.1
26	16.6	16.2	16.4	11.5	10.9	11.2	8.9	8.3	8.5
27	16.4	16.2	16.3	11.5	11.1	11.3	8.3	7.9	8.1
28	16.3	16.0	16.1	11.2	10.4	10.7	8.0	7.9	7.9
29	16.6	16.0	16.3	10.5	9.6	10.0	8.4	8.0	8.2
30	16.6	16.0	16.3	9.6	8.4	9.1	8.4	8.2	8.4
31	---	---	---	8.4	7.0	7.7	---	---	---

**Table 6.** Daily values for water temperature, Tualatin River (Station 14204800) near Cornelius, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed; "e" = data recorded by backup temperature probe]

MAY 1994 TO AUGUST 1994												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	11.6	10.2	10.9	13.7	12.0	12.8	13.7	12.4	12.7	---	---	---
2	11.5	10.2	10.8	14.2	12.2	13.2	12.4	11.2	11.7	13.0	11.9	12.5
3	11.0	10.1	10.4	14.5	12.6	13.6	12.1	10.9	11.5	13.3	12.0	12.6
4	10.4	9.9	10.2	14.7	13.3	14.1	11.8	10.7	11.1	13.0	11.4	11.9
5	11.8	10.2	11.1	14.0	13.0	13.5	11.6	10.5	10.9	12.3	11.0	11.6
6	14.9	11.8	13.4	13.4	12.5	12.9	13.3	11.1	12.0	12.5	11.1	11.8
7	17.1	13.8	15.2	13.7	12.0	12.8	15.2	12.4	13.6	12.4	11.0	11.7
8	---	---	---	13.5	12.2	12.9	14.5	12.6	13.6	11.6	10.5	11.0
9	16.7	14.6	15.7	15.5	12.5	13.9	13.7	11.8	12.6	13.0	11.1	11.9
10	16.2	14.4	15.2	17.5	14.4	15.8	13.0	11.6	12.2	12.9	11.9	12.4
11	16.1	14.0	15.0	17.5	16.2	17.0	13.2	11.4	12.2	13.3	12.0	12.7
12	15.5	14.1	14.8	17.0	15.5	16.0	12.7	11.3	12.0	13.3	12.2	12.8
13	14.7	13.1	13.8	15.7	14.6	15.1	12.8	11.2	11.9	13.2	12.3	12.8
14	13.6	12.4	13.1	15.0	13.8	14.4	12.6	11.2	11.9	13.0	11.9	12.4
15	13.5	12.4	13.0	14.7	13.6	14.2	12.4	10.8	11.7	13.0	11.6	12.2
16	13.3	12.3	12.8	14.9	12.9	13.9	12.9	11.3	12.1	12.8	11.9	12.4
17	12.9	11.9	12.4	14.5	13.3	14.0	12.7	11.5	12.1	13.2	11.9	12.5
18	12.9	11.5	12.2	14.6	13.4	14.0	13.3	11.2	12.3	13.3	12.3	12.9
19	12.9	11.9	12.4	16.3	13.3	14.7	13.3	11.3	12.4	13.0	12.0	12.4
20	13.1	12.3	12.6	17.9	14.7	16.3	13.1	11.5	12.2	12.6	12.0	12.2
21	13.2	12.3	12.8	17.6	15.1	16.5	13.5	11.9	12.6	12.4	12.0	12.2
22	14.6	12.4	13.4	15.4	13.5	14.4	13.7	12.0	12.8	12.6	11.9	12.2
23	15.9	13.4	14.6	14.1	13.1	13.7	13.2	11.8	12.5	13.4	12.3	12.8
24	16.9	14.5	15.7	15.2	12.1	13.5	12.8	11.2	11.7	13.5	12.4	13.0
25	16.7	15.2	15.8	14.9	13.0	13.7	---	---	---	14.4	12.5	13.4
26	15.2	13.4	14.1	13.5	12.3	12.9	---	---	---	14.3	13.2	13.8
27	13.5	11.8	12.7	14.9	12.0	13.4	---	---	---	14.4	13.1	13.8
28	13.0	11.6	11.9	14.3	12.5	13.5	---	---	---	14.2	13.6	13.9
29	12.8	11.1	11.9	14.0	12.6	13.3	12.8	11.5	11.9	14.0	13.2	13.5
30	13.9	11.4	12.6	14.2	12.4	13.2	12.8	11.1	11.9	14.5	13.0	13.7
31	13.6	12.7	13.2	---	---	---	---	---	---	15.0	13.6	14.3



**Table 6.** Daily values for water temperature, Tualatin River (Station 14204800) near Cornelius, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1994 TO NOVEMBER 1994									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	14.5	13.3	13.9	17.2	16.4	16.8	10.2	9.4	9.7
2	13.8	12.5	13.1	16.4	14.9	15.5	9.4	8.7	9.1
3	14.0	13.4	13.7	15.3	13.9	14.6	8.7	7.3	8.1
4	14.6	13.5	14.0	15.0	13.7	14.5	7.6	7.2	7.4
5	14.8	13.7	14.2	15.1	13.4	14.3	7.8	7.4	7.6
6	15.0	14.1	14.5	15.7	14.4	15.0	7.6	7.3	7.5
7	15.3	14.2	14.7	15.7	14.2	15.0	8.1	7.5	7.9
8	15.3	14.1	14.8	15.8	14.0	14.9	8.1	7.9	8.0
9	14.9	14.1	14.5	15.7	14.5	15.1	8.5	8.1	8.3
10	15.1	13.9	14.5	15.4	14.6	15.0	8.5	7.2	8.1
11	15.0	13.9	14.4	14.8	13.6	14.2	7.9	7.2	7.8
12	14.8	13.9	14.4	14.5	13.4	13.9	8.1	7.8	8.0
13	15.4	13.7	14.5	14.0	12.9	13.5	8.2	7.9	8.0
14	15.5	14.3	15.0	14.4	13.4	13.9	8.1	7.6	7.8
15	15.8	14.3	15.0	14.1	13.1	13.6	8.0	7.8	7.9
16	16.6	14.9	15.7	13.5	12.4	13.0	7.8	7.2	7.6
17	16.3	15.3	15.8	13.3	12.4	12.8	7.2	6.4	6.8
18	16.6	15.2	15.9	12.8	11.7	12.3	6.4	5.5	5.9
19	17.0	15.5	16.1	13.1	11.9	12.4	6.0	5.5	5.8
20	17.4	15.8	16.6	13.6	12.6	13.1	6.1	5.8	6.0
21	18.0	15.9	16.9	14.2	13.3	13.7	6.1	5.4	5.7
22	17.1	15.6	16.3	13.5	12.1	12.6	5.7	5.1	5.5
23	16.9	15.3	16.1	13.2	12.1	12.6	5.7	5.0	5.3
24	16.5	15.2	16.0	12.8	11.9	12.3	6.3	5.6	6.2
25	16.7	15.3	16.0	12.8	11.4	12.0	6.8	6.3	6.6
26	17.4	15.6	16.5	13.6	12.5	13.1	6.5	6.1	6.2
27	17.8	16.0	16.8	13.5	11.2	12.2	6.4	6.1	6.3
28	17.3	16.0	16.7	11.2	10.5	11.0	6.3	5.9	6.1
29	17.1	16.0	16.5	10.5	9.7	9.9	7.2	6.3	6.8
30	17.2	16.2	16.6	9.7	9.4	9.6	8.3	7.2	7.9
31	---	---	---	10.3	9.7	10.0	---	---	---

**Table 6.** Daily values for water temperature, Tualatin River (Station 14204800) near Cornelius, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	13.8	13.1	13.5	17.0	15.8	16.4	15.6	14.0	14.8	15.4	13.0	14.2
2	13.4	12.9	13.1	17.3	16.1	16.7	15.2	13.3	14.1	15.0	12.1	13.3
3	13.4	13.0	13.2	17.0	15.5	16.1	13.5	13.2	13.3	15.9	12.1	14.1
4	13.1	12.5	12.9	15.9	14.8	15.2	14.9	13.3	14.0	15.7	13.6	14.7
5	12.5	11.8	12.3	14.8	13.0	13.7	14.7	13.6	14.1	15.4	13.4	14.1
6	11.9	11.6	11.7	13.0	12.1	12.5	14.4	13.0	13.4	13.4	12.2	12.5
7	12.1	11.9	12.0	14.4	12.0	13.0	13.8	12.3	13.0	13.1	11.9	12.4
8	12.4	11.8	12.1	16.3	13.1	14.5	15.6	13.2	14.3	12.9	10.7	11.7
9	12.6	11.9	12.3	17.2	14.7	16.0	15.4	13.9	14.5	12.4	10.5	11.3
10	11.9	11.0	11.4	17.1	13.9	15.3	14.4	13.0	13.7	11.9	10.5	11.0
11	11.3	10.6	10.9	14.5	12.7	13.6	15.0	13.5	14.2	11.6	10.3	10.9
12	11.1	10.7	10.9	14.1	13.4	13.7	15.2	13.4	14.3	11.4	10.7	11.1
13	11.8	10.7	11.2	13.4	12.7	12.9	e14.5	e12.8	e13.6	11.4	10.3	10.9
14	12.9	11.4	12.1	13.2	12.5	12.8	e14.4	e12.8	e13.6	11.9	10.6	11.2
15	14.1	12.5	13.3	13.6	12.5	12.9	e14.8	e12.8	e13.7	11.7	11.3	11.5
16	14.2	13.2	13.6	14.2	13.2	13.7	e15.8	e13.3	e14.5	11.5	11.0	11.2
17	13.4	12.1	12.6	14.7	13.5	14.1	e16.7	e13.9	e15.2	11.5	10.5	11.0
18	12.2	11.3	11.8	14.5	13.9	14.2	e16.4	e14.0	e14.8	11.9	10.7	11.3
19	12.0	11.3	11.7	14.4	13.6	14.1	e14.8	e13.3	e14.1	12.4	11.3	11.8
20	14.2	11.7	12.7	14.6	13.6	14.1	14.8	13.0	14.0	12.7	11.9	12.2
21	14.4	12.9	13.5	15.1	13.7	14.3	14.4	12.9	13.7	12.9	11.9	12.4
22	14.9	13.5	14.1	16.4	14.2	15.2	13.7	12.3	12.7	13.6	12.1	12.9
23	14.9	13.7	14.3	18.3	15.4	16.6	12.6	12.0	12.2	13.0	11.8	12.2
24	15.3	13.6	14.4	18.3	16.7	17.5	13.1	11.9	12.4	12.2	11.1	11.8
25	15.5	14.0	14.7	17.0	14.9	16.1	14.9	12.4	13.4	12.7	11.5	12.2
26	15.5	14.4	15.0	16.8	14.7	15.8	14.5	13.1	13.6	12.6	11.4	12.0
27	15.7	14.8	15.2	16.1	13.9	14.9	15.3	12.6	13.8	12.7	11.9	12.3
28	15.6	14.3	14.9	15.7	14.1	14.9	15.2	13.4	14.3	12.7	12.2	12.4
29	16.5	15.0	15.6	15.4	14.1	14.8	13.8	12.2	12.7	12.8	12.3	12.6
30	16.9	15.7	16.2	15.4	14.0	14.7	13.2	11.2	12.2	13.6	12.2	12.9
31	16.8	15.6	16.3	---	---	---	14.5	12.1	13.2	13.9	12.6	13.3

**Table 6.** Daily values for water temperature, Tualatin River (Station 14204800) near Cornelius, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	SEPTEMBER 1995 TO NOVEMBER 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
1	14.5	12.9	13.7	15.0	13.6	14.4	8.0	7.4	7.7	---	---	---
2	14.3	13.3	13.6	14.9	14.3	14.6	7.9	6.9	7.4	---	---	---
3	13.5	12.3	12.9	15.2	14.4	14.9	7.9	7.1	7.4	---	---	---
4	13.6	12.4	13.0	15.1	14.4	14.7	8.8	7.7	8.2	---	---	---
5	13.5	12.9	13.2	14.6	13.3	13.9	9.1	8.8	8.9	---	---	---
6	13.4	12.7	13.1	14.7	13.5	14.1	10.0	9.1	9.6	---	---	---
7	13.5	12.6	13.1	14.4	13.2	13.8	10.5	9.7	10.2	---	---	---
8	14.1	12.7	13.4	14.1	13.3	13.8	10.5	9.7	10.3	---	---	---
9	14.8	13.4	14.1	14.3	13.3	13.8	10.4	8.7	9.6	---	---	---
10	e15.2	e13.8	e14.4	14.6	13.8	14.2	8.7	8.3	8.6	---	---	---
11	e15.2	e14.1	e14.6	14.4	13.7	14.1	10.2	8.4	9.3	---	---	---
12	e15.3	e13.9	e14.6	13.7	12.6	13.0	10.4	9.9	10.1	---	---	---
13	e14.8	e13.8	e14.3	12.6	11.5	11.9	10.5	10.0	10.2	---	---	---
14	e14.5	e13.9	e14.2	11.8	11.0	11.5	11.2	10.5	11.0	---	---	---
15	e14.8	e14.1	e14.5	12.4	11.2	11.8	11.4	11.1	11.3	---	---	---
16	e14.5	e13.6	e14.2	13.5	12.3	12.8	11.3	10.9	11.1	---	---	---
17	14.6	13.5	14.2	13.7	13.0	13.4	11.1	10.9	11.0	---	---	---
18	14.6	13.8	14.2	13.5	11.7	12.6	11.2	10.5	11.0	---	---	---
19	15.3	13.9	14.6	11.7	10.8	11.4	10.5	10.0	10.3	---	---	---
20	16.1	14.4	15.2	12.4	11.3	11.7	10.0	8.8	9.5	---	---	---
21	15.2	14.3	14.9	12.2	11.6	11.9	8.9	8.7	8.8	---	---	---
22	15.1	13.2	14.1	11.7	11.1	11.4	9.9	8.9	9.4	---	---	---
23	14.9	13.2	14.1	11.7	11.0	11.3	10.6	9.8	10.3	---	---	---
24	15.1	13.5	14.4	12.0	11.4	11.7	11.0	10.6	10.8	---	---	---
25	15.3	14.6	14.9	11.9	11.7	11.8	11.0	10.1	10.6	---	---	---
26	14.8	14.4	14.7	12.7	11.9	12.2	10.1	9.2	9.5	---	---	---
27	15.4	14.6	15.0	11.9	11.0	11.4	9.4	9.1	9.2	---	---	---
28	15.5	15.1	15.3	11.1	10.3	10.7	10.6	9.2	9.8	---	---	---
29	15.6	14.6	15.1	10.5	9.6	10.0	10.9	10.6	10.8	---	---	---
30	15.6	14.9	15.2	9.6	8.5	9.0	11.0	10.6	10.8	---	---	---
31	---	---	---	8.5	7.9	8.2	---	---	---	---	---	---

**Table 7.** Daily values for water temperature, Dairy Creek (Station 14206200) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

DAY	MAY 1994 TO AUGUST 1994											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	12.1	11.2	11.6	14.1	12.7	13.5	17.7	16.8	17.1	20.2	17.9	19.2
2	11.7	11.3	11.5	14.2	12.8	13.6	16.8	15.9	16.3	20.4	18.4	19.5
3	11.5	11.2	11.4	14.2	13.0	13.7	16.4	15.2	15.8	21.1	18.9	20.0
4	12.7	11.5	12.1	14.7	13.6	14.1	15.9	15.0	15.3	20.4	19.2	19.7
5	14.3	12.2	13.1	14.5	13.7	14.0	15.4	14.3	14.9	19.8	18.0	18.9
6	15.8	14.0	14.8	14.0	13.4	13.7	16.6	14.3	15.4	19.5	17.2	18.5
7	17.0	15.5	16.1	13.8	12.9	13.4	18.5	16.0	17.2	19.2	18.1	18.6
8	16.7	15.9	16.3	14.0	12.5	13.3	19.3	17.1	18.2	18.1	16.8	17.3
9	16.3	15.4	15.9	15.3	13.1	14.2	19.1	17.0	18.1	18.7	16.3	17.5
10	16.2	15.0	15.6	16.7	14.5	15.5	18.8	16.4	17.8	19.4	16.9	18.3
11	16.2	15.2	15.8	17.2	15.9	16.5	18.9	16.3	17.8	19.8	17.8	18.9
12	15.8	15.1	15.5	17.1	16.5	16.7	19.1	16.6	18.0	20.1	18.2	19.2
13	15.2	14.1	14.5	16.6	15.3	16.0	19.2	16.7	18.1	20.4	18.3	19.4
14	14.2	13.3	13.7	15.3	14.3	14.7	19.3	17.1	18.2	20.1	18.7	19.5
15	13.5	12.9	13.2	14.3	13.2	13.8	19.4	17.2	18.2	19.6	17.9	18.9
16	13.1	12.6	12.8	14.3	13.1	13.8	20.3	17.8	19.1	19.1	17.4	18.5
17	12.9	12.3	12.6	14.3	13.4	13.9	20.4	18.2	19.4	19.4	17.2	18.4
18	13.3	12.4	12.8	14.6	13.4	14.0	20.5	18.4	19.5	19.5	17.5	18.6
19	14.2	12.7	13.3	15.5	13.4	14.4	21.7	19.0	20.3	19.0	17.6	18.3
20	13.7	13.2	13.5	17.0	14.6	15.7	22.6	19.9	21.4	18.8	17.4	18.1
21	14.0	13.0	13.5	17.7	15.8	16.8	23.6	20.9	22.3	18.2	17.1	17.7
22	15.1	13.2	14.1	17.9	16.3	17.3	24.0	21.4	22.8	17.8	16.5	17.2
23	16.1	14.1	15.1	17.8	16.6	17.1	23.8	21.4	22.6	18.2	16.4	17.3
24	17.1	14.9	16.0	16.9	15.3	16.2	23.2	20.4	21.5	18.1	16.1	17.2
25	16.8	15.6	16.2	16.6	15.4	16.0	21.1	18.9	20.0	18.2	16.3	17.3
26	16.0	14.7	15.2	16.2	15.2	15.7	21.1	18.7	20.1	18.5	16.6	17.6
27	14.7	13.2	13.9	17.3	15.0	16.1	21.7	19.2	20.6	18.7	16.2	17.6
28	13.9	12.9	13.1	18.3	16.3	17.3	21.6	19.3	20.5	18.8	17.5	18.3
29	13.5	12.4	12.9	18.1	16.8	17.5	20.6	18.9	19.6	18.2	16.9	17.6
30	14.0	12.2	13.1	18.1	16.3	17.3	20.0	17.8	19.0	18.5	16.3	17.5
31	14.1	13.2	13.7	---	---	---	19.9	17.4	18.8	18.9	17.0	18.0

**Table 7.** Daily values for water temperature, Dairy Creek (Station 14206200) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1994 TO NOVEMBER 1994									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	17.9	16.1	17.0	17.1	16.4	16.7	---	---	---
2	17.0	15.0	16.0	16.4	14.0	14.7	---	---	---
3	17.3	15.9	16.4	14.1	12.7	13.3	---	---	---
4	17.1	15.5	16.3	13.4	12.1	12.7	---	---	---
5	17.3	15.3	16.4	12.6	11.0	11.9	---	---	---
6	17.6	15.8	16.8	12.7	11.7	12.3	---	---	---
7	17.4	15.9	16.8	12.6	11.4	12.1	---	---	---
8	17.2	16.6	16.8	12.2	11.0	11.7	---	---	---
9	16.7	15.7	16.1	12.1	11.2	11.7	---	---	---
10	16.1	15.3	15.7	12.0	11.4	11.7	---	---	---
11	15.9	14.9	15.4	11.6	10.3	10.8	---	---	---
12	15.5	14.3	15.0	10.8	9.7	10.3	---	---	---
13	15.5	14.2	14.9	10.4	9.1	9.7	---	---	---
14	16.2	15.1	15.6	10.3	9.7	10.0	---	---	---
15	16.6	14.9	15.8	10.0	9.3	9.7	---	---	---
16	17.5	15.5	16.5	9.6	8.5	9.1	---	---	---
17	17.7	16.1	17.0	9.0	8.4	8.7	---	---	---
18	17.9	16.4	17.3	8.7	7.6	8.1	---	---	---
19	18.1	16.7	17.5	8.7	7.6	8.1	---	---	---
20	18.7	17.1	17.9	9.7	8.6	9.0	---	---	---
21	18.7	17.2	18.0	10.2	9.6	9.9	---	---	---
22	18.2	16.4	17.5	9.7	8.5	9.0	---	---	---
23	17.7	16.2	17.1	9.9	9.0	9.4	---	---	---
24	17.7	16.1	16.9	9.5	8.4	9.0	---	---	---
25	17.0	15.5	16.4	9.2	8.0	8.6	---	---	---
26	17.3	16.0	16.7	11.5	9.2	10.1	---	---	---
27	17.6	16.1	16.9	11.5	10.8	11.3	---	---	---
28	17.1	16.3	16.7	10.8	10.3	10.6	---	---	---
29	16.9	16.4	16.6	10.3	9.2	9.7	---	---	---
30	16.9	16.2	16.6	9.2	8.8	9.0	---	---	---
31	---	---	---	---	---	---	---	---	---

**Table 7.** Daily values for water temperature, Dairy Creek (Station 14206200) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	12.9	12.2	12.4	17.1	15.8	16.5	20.9	19.4	20.3	20.3	18.3	19.3
2	12.7	11.9	12.2	16.8	15.7	16.3	20.6	19.3	19.7	20.0	18.3	19.2
3	12.9	11.6	12.2	16.7	15.3	16.0	19.3	18.6	18.9	20.4	18.2	19.3
4	12.5	11.8	12.1	16.3	15.3	15.8	19.1	17.9	18.6	21.2	19.2	20.2
5	11.9	11.1	11.4	15.3	14.3	14.8	18.8	17.9	18.4	20.7	19.2	20.0
6	11.5	10.8	11.2	14.3	12.7	13.4	18.5	17.4	17.7	19.7	18.2	18.6
7	11.9	11.0	11.4	14.0	12.4	13.2	18.0	16.8	17.4	18.2	17.2	17.5
8	12.3	11.3	11.7	15.4	13.3	14.3	19.3	17.2	18.2	18.0	16.7	17.3
9	12.6	12.0	12.2	17.0	14.8	15.8	19.1	18.1	18.6	18.4	16.3	17.4
10	12.4	11.6	11.8	16.8	15.6	16.2	18.1	16.9	17.5	18.1	17.2	17.7
11	12.2	11.2	11.6	15.7	14.5	15.1	18.1	16.7	17.5	17.9	16.8	17.3
12	12.3	11.1	11.6	15.2	14.2	14.5	18.2	16.8	17.5	17.5	16.6	17.0
13	12.9	11.2	11.9	14.4	13.9	14.1	17.9	16.8	17.4	16.9	15.6	16.4
14	14.3	12.0	12.9	14.0	13.4	13.6	17.9	16.2	17.4	17.0	15.6	16.4
15	15.3	13.5	14.2	13.9	13.2	13.6	18.4	16.3	17.2	17.3	16.7	17.0
16	15.2	14.4	14.7	13.8	13.4	13.6	19.4	17.4	18.2	16.9	16.1	16.5
17	14.7	13.0	13.7	14.2	13.5	13.7	21.2	18.9	19.9	16.3	15.3	15.8
18	13.0	12.2	12.6	14.1	13.8	14.0	22.1	20.3	21.2	16.1	14.7	15.4
19	13.1	11.6	12.3	14.2	13.4	13.8	23.0	21.0	22.0	16.6	14.9	15.8
20	14.3	12.5	13.2	14.1	13.5	13.8	22.7	21.3	22.2	17.4	15.8	16.6
21	15.0	13.6	14.3	14.3	13.5	13.9	22.4	20.9	21.5	17.9	16.5	17.3
22	15.5	14.5	15.0	15.5	13.5	14.4	21.0	20.2	20.5	18.3	16.8	17.6
23	15.5	14.7	15.2	17.0	14.7	15.7	20.2	19.5	19.8	17.9	17.1	17.5
24	15.6	14.6	15.1	18.4	16.1	17.2	20.0	19.1	19.5	17.1	15.7	16.6
25	16.1	15.1	15.6	18.7	16.6	17.7	20.2	18.4	19.3	17.3	15.5	16.4
26	16.2	15.3	15.8	18.7	16.9	17.9	19.8	18.8	19.1	16.6	15.0	15.9
27	16.2	15.5	15.8	19.1	17.1	18.2	19.9	18.2	19.1	17.1	15.5	16.3
28	16.7	15.4	16.0	19.4	17.5	18.6	20.1	18.6	19.4	17.0	15.9	16.5
29	17.6	16.2	16.8	20.0	18.0	19.1	19.0	17.6	18.1	17.2	16.2	16.7
30	17.9	16.9	17.4	20.8	18.7	19.8	18.2	16.5	17.5	17.5	15.9	16.8
31	17.3	16.3	16.8	---	---	---	19.4	17.2	18.3	18.0	16.2	17.2

**Table 7.** Daily values for water temperature, Dairy Creek (Station 14206200) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1995 TO NOVEMBER 1995									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	18.5	16.5	17.6	14.8	13.7	14.1	6.9	5.9	6.3
2	18.4	17.4	17.9	14.5	14.0	14.3	6.1	5.2	5.5
3	17.9	17.4	17.6	14.5	14.0	14.3	5.3	4.5	4.9
4	17.7	16.9	17.3	14.0	13.6	13.8	4.9	4.4	4.6
5	17.4	16.7	17.1	13.6	12.5	13.0	5.7	4.9	5.3
6	17.0	16.0	16.3	13.5	12.8	13.1	6.6	5.7	6.1
7	16.3	15.8	16.0	13.1	12.4	12.8	8.2	6.6	7.5
8	16.5	15.2	15.9	12.9	12.5	12.7	9.6	8.2	9.1
9	17.2	15.8	16.5	12.9	12.4	12.6	9.6	8.7	8.9
10	17.8	16.3	17.1	13.3	12.7	13.0	10.1	8.7	9.6
11	17.8	16.7	17.3	13.3	12.7	13.0	10.4	10.1	10.3
12	17.9	16.4	17.3	12.7	11.8	12.2	10.9	10.2	10.5
13	17.9	16.5	17.3	11.8	11.1	11.4	11.3	10.9	11.1
14	18.3	16.7	17.6	11.4	10.7	11.1	11.6	11.3	11.5
15	18.4	17.2	17.9	11.7	10.9	11.3	11.6	11.5	11.5
16	18.0	17.3	17.5	12.5	11.7	12.0	11.5	11.3	11.4
17	17.6	17.1	17.3	12.4	12.1	12.3	11.5	11.2	11.3
18	17.1	16.0	16.6	12.1	11.3	11.6	11.2	10.6	10.9
19	17.3	15.9	16.6	11.4	10.3	10.8	10.6	9.5	9.9
20	17.3	16.2	16.8	11.0	10.5	10.7	9.5	9.0	9.2
21	16.9	16.0	16.4	10.9	10.4	10.6	9.6	9.0	9.3
22	16.0	14.3	15.3	10.7	9.9	10.2	10.5	9.6	10.0
23	15.4	13.8	14.6	10.3	9.7	10.0	11.4	10.5	11.0
24	15.1	13.8	14.5	10.4	9.9	10.2	11.4	10.9	11.2
25	15.6	14.7	15.1	10.5	10.0	10.2	10.9	10.0	10.3
26	15.1	14.5	14.8	11.0	10.4	10.7	10.0	9.7	9.8
27	15.4	14.8	15.1	11.0	10.4	10.6	10.5	9.7	10.0
28	15.4	14.9	15.1	10.4	9.7	10.0	11.2	10.5	10.9
29	15.2	14.7	15.0	9.9	9.2	9.5	11.2	10.9	11.1
30	15.2	14.8	15.0	9.2	8.1	8.5	---	---	---
31	---	---	---	8.1	6.8	7.2	---	---	---

**Table 8.** Daily values for water temperature, Tualatin River (Station 14206440) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

DAY	MAY 1994 TO AUGUST 1994											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	12.2	11.5	11.9	14.4	13.4	13.8	16.5	15.9	16.1	16.3	14.9	15.4
2	11.8	11.3	11.6	14.7	13.4	14.0	15.9	14.4	15.4	16.3	15.2	15.7
3	11.6	11.1	11.3	14.7	13.6	14.2	14.7	13.7	14.1	17.1	15.7	16.4
4	12.0	11.1	11.6	15.3	14.2	14.7	14.2	13.0	13.5	16.5	15.7	16.2
5	12.5	10.9	11.7	15.0	14.5	14.9	13.2	12.7	13.0	15.7	14.5	15.1
6	14.1	12.5	13.2	14.8	14.0	14.3	14.2	12.5	13.3	15.2	14.0	14.6
7	16.2	14.1	15.4	14.5	13.8	14.1	17.1	14.2	15.5	15.2	14.2	14.7
8	17.0	15.9	16.4	14.3	13.5	13.9	18.9	16.6	17.5	14.3	13.3	14.0
9	16.7	15.9	16.4	15.1	13.8	14.4	18.6	17.1	17.9	14.3	12.6	13.4
10	16.7	15.9	16.3	17.0	15.1	15.9	17.4	16.3	16.8	15.9	13.8	14.8
11	16.5	15.9	16.2	17.9	16.4	17.2	16.9	15.5	16.1	16.7	15.3	15.8
12	16.2	15.6	15.8	18.2	17.3	17.7	17.1	15.2	16.1	17.2	15.3	16.1
13	---	---	---	17.6	16.2	17.0	16.9	15.5	16.1	17.2	15.8	16.6
14	14.9	14.1	14.5	16.2	15.2	15.7	16.9	15.5	16.0	16.6	15.8	16.2
15	14.1	13.6	13.9	15.2	14.4	14.8	16.6	15.2	15.7	16.1	15.0	15.6
16	13.6	13.1	13.4	15.2	13.9	14.5	16.5	14.6	15.6	16.1	14.5	15.1
17	13.4	12.9	13.1	15.0	14.2	14.7	17.3	15.4	16.1	16.4	14.8	15.5
18	13.3	12.8	13.1	15.2	14.2	14.6	17.3	15.9	16.5	16.7	15.0	15.8
19	13.3	12.8	13.1	16.3	13.9	15.1	17.9	15.9	16.6	16.5	15.7	16.1
20	13.5	13.0	13.3	17.8	15.6	16.5	17.9	16.5	16.9	15.9	14.7	15.3
21	13.8	13.0	13.4	19.0	16.9	17.8	17.6	16.5	16.8	14.9	14.2	14.4
22	15.0	13.5	14.2	19.3	18.0	18.6	18.2	16.2	17.0	14.4	13.7	14.0
23	15.8	14.2	15.1	18.4	16.4	17.5	18.7	16.6	17.5	14.9	13.4	14.0
24	17.2	15.5	16.2	16.7	15.3	16.0	17.5	15.3	16.6	16.0	14.1	14.8
25	17.5	16.3	16.9	16.4	15.3	15.8	15.3	14.1	14.7	16.5	14.6	15.4
26	16.6	15.5	16.1	16.4	15.6	15.9	15.6	13.8	14.6	16.8	15.1	15.9
27	15.5	14.5	14.9	16.5	15.0	15.7	16.9	15.1	15.8	17.0	15.4	16.2
28	14.5	13.4	13.8	17.9	15.7	16.6	17.8	15.8	16.6	17.0	16.2	16.5
29	13.4	12.7	13.1	17.3	16.5	16.9	16.7	16.0	16.4	16.5	15.7	16.2
30	13.9	12.7	13.3	17.3	15.9	16.5	16.3	14.9	15.6	16.2	14.6	15.5
31	13.9	13.7	13.8	---	---	---	16.3	14.4	15.2	16.8	15.4	16.0



**Table 8.** Daily values for water temperature, Tualatin River (Station 14206440) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1994 TO NOVEMBER 1994									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	16.8	15.4	16.2	17.2	16.4	16.8	10.1	9.5	9.7
2	16.2	15.1	15.6	16.6	15.3	16.0	9.7	8.7	9.0
3	15.4	14.4	14.8	15.3	14.0	14.5	8.7	7.8	8.2
4	15.7	14.2	14.8	14.4	13.4	13.9	7.8	7.2	7.5
5	15.7	14.1	14.9	13.7	12.7	13.3	7.4	7.2	7.3
6	16.1	14.9	15.5	13.9	13.0	13.5	7.3	7.1	7.2
7	16.4	15.3	15.8	14.2	13.0	13.5	7.3	7.1	7.2
8	16.1	15.6	15.8	14.2	13.2	13.5	7.5	7.3	7.5
9	15.8	15.3	15.5	13.9	13.2	13.5	7.9	7.5	7.7
10	15.3	14.5	15.0	13.9	13.2	13.5	7.9	7.8	7.8
11	15.3	14.5	15.0	13.5	12.7	13.1	7.8	7.0	7.3
12	15.3	14.3	14.8	12.8	12.3	12.5	7.2	7.2	7.2
13	15.3	14.3	14.8	12.3	11.6	12.0	7.4	7.2	7.2
14	15.6	14.8	15.3	12.1	11.6	11.9	7.4	7.4	7.4
15	16.7	15.3	15.7	12.3	11.6	11.9	7.4	7.2	7.3
16	16.9	15.6	16.1	11.9	11.2	11.6	7.4	7.3	7.3
17	17.5	16.1	16.7	11.4	10.8	11.1	7.3	6.7	7.0
18	17.2	16.6	16.9	10.8	10.4	10.6	6.7	6.0	6.4
19	17.2	16.4	16.8	10.6	10.0	10.4	6.0	5.7	5.8
20	17.8	16.4	17.0	11.4	10.6	10.9	5.7	5.7	5.7
21	18.1	16.6	17.3	12.0	11.3	11.6	5.7	5.4	5.6
22	18.1	16.6	17.3	11.8	11.3	11.5	5.6	5.3	5.3
23	17.2	16.6	17.0	11.8	11.3	11.4	5.3	5.1	5.1
24	16.9	16.4	16.5	11.3	10.7	10.9	5.6	5.1	5.3
25	16.9	16.1	16.4	10.9	10.5	10.7	6.1	5.6	5.9
26	16.9	16.1	16.4	11.4	10.9	11.2	6.1	6.0	6.1
27	17.2	16.1	16.6	12.5	11.4	11.8	6.0	5.9	6.0
28	17.2	16.4	16.7	12.5	10.8	11.4	6.0	5.8	5.9
29	17.2	16.6	16.7	10.8	9.8	10.3	6.2	5.9	5.9
30	16.9	16.6	16.7	9.8	9.4	9.6	6.9	6.2	6.5
31	---	---	---	9.8	9.6	9.6	---	---	---

**Table 8.** Daily values for water temperature, Tualatin River (Station 14206440) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	12.0	11.6	11.8	18.3	16.8	17.4	19.8	18.6	19.1	18.0	15.9	16.9
2	12.1	11.9	12.0	18.3	16.5	17.3	19.2	18.3	18.8	19.2	17.1	17.9
3	12.0	11.3	11.7	18.1	16.2	17.0	18.3	16.2	17.3	20.6	17.3	18.3
4	12.0	11.5	11.8	17.2	15.7	16.7	16.8	15.4	16.2	19.6	17.1	18.2
5	11.5	10.9	11.2	15.7	14.4	15.2	17.7	16.5	17.0	19.5	18.0	18.6
6	10.9	10.6	10.6	14.4	12.8	13.5	17.4	16.5	16.9	18.6	15.7	17.4
7	11.0	10.6	10.8	13.9	12.5	13.1	17.1	15.9	16.6	15.7	14.4	14.8
8	11.4	11.0	11.2	15.0	13.4	14.3	18.0	16.5	17.1	15.2	13.9	14.5
9	11.7	11.3	11.5	16.7	15.0	15.8	17.7	17.4	17.6	14.7	13.4	14.1
10	11.8	11.1	11.5	16.7	16.0	16.5	17.4	16.5	17.1	14.4	13.9	14.0
11	11.3	11.1	11.1	16.1	15.3	15.7	17.4	15.9	16.6	13.9	12.9	13.6
12	11.3	10.9	11.1	15.3	14.3	14.7	18.0	16.2	17.0	14.0	12.5	13.2
13	11.7	11.0	11.4	14.3	14.0	14.1	17.4	16.5	17.0	13.8	13.0	13.3
14	12.6	11.7	12.2	14.1	13.6	13.8	17.4	16.5	16.8	13.8	12.8	13.2
15	13.9	12.6	13.5	14.1	13.1	13.6	18.3	16.5	17.3	13.8	13.0	13.4
16	14.3	13.8	14.1	13.9	13.4	13.6	18.9	17.1	18.0	13.8	13.0	13.4
17	13.8	12.8	13.5	14.4	13.4	13.9	20.1	18.2	19.1	13.6	12.5	13.0
18	12.8	12.0	12.3	14.6	14.1	14.2	21.1	19.1	20.1	13.6	12.4	13.0
19	12.5	11.6	12.0	14.6	14.1	14.3	21.8	20.1	20.8	14.6	12.9	13.6
20	13.1	12.1	12.6	14.4	14.1	14.2	21.1	19.4	20.3	15.4	13.6	14.4
21	14.9	12.9	13.9	14.4	13.9	14.1	20.1	19.1	19.6	15.7	14.4	14.9
22	15.7	13.9	14.8	16.0	14.1	14.9	19.1	18.2	18.7	16.2	14.1	15.0
23	16.0	14.6	15.3	17.4	15.4	16.4	18.2	16.3	17.1	16.3	15.2	15.7
24	16.1	14.6	15.4	18.9	17.1	17.9	16.3	15.5	16.0	15.6	14.2	14.8
25	16.4	15.0	15.7	19.5	18.2	18.7	17.2	14.9	16.0	15.2	14.0	14.4
26	16.7	15.5	16.1	18.9	17.6	18.3	17.5	16.3	16.9	15.2	13.7	14.4
27	16.7	15.8	16.3	19.2	17.4	18.2	18.7	16.6	17.6	15.0	14.0	14.3
28	17.0	15.8	16.4	18.6	17.4	18.0	19.7	17.2	18.1	15.0	14.0	14.4
29	18.0	16.4	17.0	19.2	17.4	18.2	18.5	17.2	17.8	15.1	14.1	14.6
30	18.6	17.1	17.7	19.5	18.0	18.7	17.2	15.2	16.1	15.9	14.3	14.9
31	18.6	17.1	17.7	---	---	---	17.1	15.1	15.9	16.2	14.3	15.3

**Table 8.** Daily values for water temperature, Tualatin River (Station 14206440) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1995 TO NOVEMBER 1995									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	16.7	15.3	16.0	15.3	14.5	14.9	7.3	6.6	6.8
2	17.0	16.1	16.4	14.8	14.3	14.5	6.7	6.2	6.5
3	16.4	15.6	16.3	15.0	14.3	14.6	6.4	5.9	6.1
4	15.6	14.8	15.2	14.5	14.0	14.3	6.0	5.9	6.0
5	15.2	14.2	14.6	14.0	13.5	13.9	6.6	6.0	6.3
6	14.7	14.2	14.4	14.0	13.3	13.6	7.7	6.6	7.2
7	14.7	14.0	14.4	14.0	13.0	13.5	9.0	7.6	8.4
8	15.5	14.0	14.7	13.8	13.0	13.3	9.8	9.0	9.6
9	16.1	14.5	15.2	13.5	12.8	13.2	10.0	9.8	9.9
10	16.6	15.5	16.0	13.5	13.0	13.2	9.8	8.6	9.0
11	16.9	15.8	16.3	13.8	13.0	13.4	9.6	8.8	9.1
12	16.9	15.8	16.4	13.5	12.5	13.0	10.2	9.6	10.0
13	17.2	16.0	16.5	12.5	11.8	12.1	10.4	10.0	10.2
14	16.8	15.9	16.4	11.9	11.4	11.6	11.3	10.4	10.8
15	16.8	15.7	16.2	12.0	11.2	11.6	11.5	11.3	11.4
16	16.2	15.7	15.9	12.7	12.0	12.2	11.5	11.3	11.5
17	15.7	15.4	15.5	12.7	12.4	12.5	11.5	11.1	11.3
18	16.0	14.6	15.2	12.4	11.9	12.2	11.3	11.1	11.2
19	16.0	14.6	15.2	12.0	11.1	11.6	11.1	10.5	10.8
20	16.5	15.4	15.8	11.3	10.8	11.0	10.5	9.7	10.1
21	16.5	15.7	16.1	11.3	10.7	11.1	9.7	8.9	9.3
22	16.2	15.1	15.6	10.9	10.6	10.7	9.5	8.9	9.1
23	15.3	14.0	14.6	10.6	10.4	10.6	10.3	9.5	9.8
24	15.3	14.0	14.5	11.1	10.6	10.8	11.4	10.3	10.9
25	15.6	14.5	15.0	10.9	10.6	10.7	11.4	10.9	11.2
26	15.3	15.0	15.1	11.3	10.6	11.0	10.9	9.9	10.5
27	15.3	14.8	15.1	11.7	11.3	11.4	9.9	9.7	9.7
28	15.6	15.0	15.2	11.3	10.2	10.7	10.1	9.7	9.8
29	15.6	15.3	15.4	10.2	9.6	9.8	11.0	10.1	10.7
30	15.8	15.0	15.4	9.6	8.6	9.0	11.2	10.9	11.0
31	---	---	---	8.6	7.3	7.8	---	---	---

**Table 9.** Daily values for water temperature, Rock Creek (Station 14206450) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

DAY	MAY 1994 to AUGUST 1994											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	---	---	---	15.3	13.9	14.6	18.7	17.5	17.8	20.8	18.7	19.8
2	---	---	---	15.5	13.9	14.7	17.5	16.5	17.0	21.0	19.1	20.1
3	---	---	---	15.5	14.3	14.9	17.2	16.0	16.6	21.5	19.7	20.5
4	---	---	---	15.9	15.0	15.4	16.8	15.6	16.0	21.3	20.0	20.5
5	---	---	---	15.6	14.8	15.1	16.5	15.0	15.6	20.3	18.9	19.5
6	---	---	---	15.0	14.4	14.7	17.4	15.2	16.2	19.7	18.1	19.0
7	---	---	---	15.2	14.2	14.7	19.4	16.8	18.0	19.5	18.4	18.9
8	---	---	---	15.7	14.1	14.8	20.2	18.0	19.1	18.5	17.2	17.6
9	17.6	16.1	16.8	17.1	14.9	15.9	19.8	17.9	18.9	18.5	16.9	17.7
10	17.7	16.0	16.9	18.5	16.0	17.2	19.4	17.2	18.4	19.5	17.7	18.5
11	17.7	16.6	17.2	18.7	17.6	18.2	19.5	17.2	18.4	20.1	18.5	19.3
12	17.4	16.3	16.7	18.6	17.8	18.2	19.5	17.3	18.4	20.5	18.8	19.6
13	16.3	14.9	15.5	17.8	16.0	16.9	19.7	17.5	18.7	20.8	19.0	19.9
14	15.3	14.4	14.9	16.0	15.0	15.3	19.6	17.6	18.6	20.5	19.2	20.0
15	14.9	14.3	14.6	15.5	14.3	14.9	19.5	17.5	18.5	20.1	18.9	19.5
16	14.4	13.8	14.2	15.9	14.6	15.3	20.7	18.1	19.3	19.9	18.5	19.2
17	14.4	13.6	14.0	15.9	15.0	15.5	21.0	18.8	19.9	19.7	18.3	19.0
18	---	---	---	15.8	14.7	15.3	20.8	19.3	20.0	19.7	18.2	19.0
19	---	---	---	17.0	14.5	15.7	21.5	19.6	20.5	19.3	18.3	18.9
20	---	---	---	18.5	16.5	17.4	22.7	20.9	21.7	19.0	18.1	18.6
21	---	---	---	19.2	17.7	18.4	24.0	22.1	22.9	18.8	17.9	18.3
22	---	---	---	19.5	18.0	18.7	24.5	22.6	23.5	18.2	17.2	17.7
23	---	---	---	19.2	17.6	18.5	24.3	22.7	23.5	18.2	17.0	17.6
24	---	---	---	17.7	16.3	17.1	24.0	21.5	22.5	18.1	16.7	17.5
25	---	---	---	17.3	16.5	16.9	21.5	19.9	20.6	18.3	16.7	17.5
26	---	---	---	17.1	16.0	16.6	21.4	19.5	20.5	18.7	17.2	18.0
27	---	---	---	18.1	15.7	16.8	21.9	19.7	20.8	19.2	17.1	18.1
28	---	---	---	19.4	17.2	18.3	21.9	20.1	21.0	19.3	18.2	18.8
29	---	---	---	19.2	17.9	18.5	21.4	19.8	20.4	19.0	18.0	18.5
30	---	---	---	19.1	17.3	18.2	20.3	18.7	19.5	18.6	17.1	17.8
31	---	---	---	---	---	---	20.4	18.2	19.3	19.0	17.5	18.2

**Table 9.** Daily values for water temperature, Rock Creek (Station 14206450) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1994 TO NOVEMBER 1994									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	18.6	17.0	17.7	17.2	16.5	16.8	11.1	9.6	10.3
2	17.6	15.9	16.6	16.7	14.5	15.3	9.6	9.1	9.2
3	16.9	16.2	16.5	14.5	12.9	13.5	9.1	8.5	8.7
4	17.0	15.8	16.4	13.3	12.5	12.9	8.5	8.1	8.3
5	17.3	16.1	16.7	13.0	11.8	12.3	8.5	8.2	8.3
6	18.0	16.6	17.2	13.0	12.3	12.6	8.2	7.7	7.9
7	18.0	16.7	17.4	13.0	12.1	12.5	8.3	7.6	7.9
8	17.6	16.9	17.2	12.6	11.7	12.2	8.3	8.1	8.2
9	17.2	16.4	16.6	12.5	11.7	12.1	8.9	8.2	8.6
10	16.7	15.8	16.3	12.4	11.8	12.1	8.8	7.9	8.4
11	16.5	15.8	16.1	12.1	10.9	11.4	7.9	7.7	7.8
12	16.0	14.9	15.5	11.1	10.2	10.7	7.9	7.6	7.8
13	15.8	14.8	15.4	10.7	9.6	10.1	8.0	7.6	7.8
14	16.5	15.7	16.1	10.7	9.9	10.3	8.0	7.7	7.9
15	17.0	15.6	16.3	10.5	9.9	10.2	8.3	7.9	8.0
16	17.7	16.0	16.8	10.0	9.3	9.6	8.3	7.7	8.0
17	18.3	16.8	17.5	9.5	8.9	9.3	7.7	6.7	7.2
18	18.4	17.2	17.8	9.3	8.4	8.8	6.7	5.6	6.1
19	18.2	17.0	17.7	9.2	8.2	8.7	5.8	5.4	5.5
20	18.3	17.0	17.7	10.3	9.1	9.6	6.0	5.7	5.9
21	18.3	17.1	17.7	11.1	10.3	10.7	5.7	5.3	5.5
22	18.1	16.7	17.5	10.8	9.9	10.2	5.3	5.1	5.2
23	17.9	16.8	17.4	10.7	9.9	10.3	6.0	5.1	5.4
24	17.8	16.6	17.1	10.4	9.6	10.0	6.9	6.0	6.4
25	17.5	16.2	16.9	9.9	9.0	9.5	7.4	6.9	7.3
26	17.5	16.3	16.9	13.0	9.9	11.1	7.2	6.4	6.7
27	17.2	15.9	16.6	13.1	12.6	13.0	6.7	6.4	6.5
28	16.9	16.0	16.5	12.8	12.0	12.3	6.5	6.2	6.3
29	16.8	16.3	16.6	12.0	10.6	11.3	7.5	6.4	6.8
30	16.9	16.3	16.6	10.7	10.2	10.4	9.4	7.5	8.6
31	---	---	---	11.1	10.5	10.8	---	---	---

**Table 9.** Daily values for water temperature, Rock Creek (Station 14206450) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	14.7	14.3	14.5	19.0	17.4	18.4	22.4	20.9	21.7	21.2	19.6	20.3
2	14.6	14.0	14.3	18.9	17.5	18.3	21.8	20.2	21.0	20.9	19.8	20.4
3	14.7	13.4	14.1	18.4	17.0	17.8	20.2	19.4	19.7	21.0	19.6	20.3
4	14.4	13.9	14.2	18.5	17.4	17.8	20.3	18.7	19.5	22.0	20.5	21.1
5	14.1	13.3	13.6	17.4	15.9	16.4	19.9	19.0	19.5	21.8	20.8	21.2
6	13.4	12.9	13.1	15.9	14.5	15.0	19.7	18.5	19.0	20.9	19.1	19.9
7	13.3	12.6	13.0	16.5	14.2	15.2	19.4	17.9	18.6	19.1	18.2	18.5
8	14.5	12.8	13.6	18.0	15.4	16.7	20.8	18.7	19.7	18.8	17.7	18.2
9	14.5	14.0	14.2	19.3	16.8	18.0	20.8	19.2	19.9	19.2	17.5	18.3
10	14.1	13.5	13.8	19.3	17.3	18.1	19.4	18.7	19.0	19.0	18.2	18.7
11	13.6	12.9	13.4	17.3	15.7	16.5	19.6	18.2	18.9	19.0	17.7	18.4
12	13.8	13.1	13.5	16.9	15.7	16.1	19.7	18.1	19.0	18.7	17.6	18.1
13	14.8	12.8	13.7	16.1	15.3	15.6	19.4	17.8	18.6	18.1	16.6	17.4
14	16.6	14.1	15.3	15.6	15.0	15.4	19.2	18.3	18.9	18.0	16.7	17.4
15	17.7	15.8	16.8	15.8	15.2	15.5	19.9	18.1	19.0	18.5	17.8	18.2
16	17.5	16.3	16.9	15.8	15.6	15.7	21.3	19.2	20.2	18.1	17.3	17.7
17	16.3	14.6	15.3	16.0	15.1	15.5	22.5	20.5	21.5	17.3	16.4	16.8
18	14.8	13.8	14.3	15.8	15.2	15.5	23.1	21.7	22.5	17.6	16.3	16.9
19	15.8	13.3	14.5	15.8	14.7	15.3	23.9	22.3	23.1	18.2	16.3	17.2
20	17.1	14.5	15.7	15.8	15.3	15.6	23.8	22.6	23.3	19.0	17.3	18.2
21	17.7	15.7	16.7	15.8	15.0	15.4	23.3	21.9	22.4	19.3	18.3	18.9
22	18.3	16.4	17.4	17.4	14.9	16.0	21.9	21.0	21.4	19.5	18.3	18.9
23	18.2	16.5	17.5	19.2	16.3	17.6	21.0	20.4	20.6	19.1	18.0	18.7
24	18.3	16.3	17.4	20.2	17.9	19.1	20.7	20.0	20.4	18.0	16.7	17.3
25	18.8	16.7	17.9	20.2	18.2	19.3	20.9	19.4	20.2	17.7	16.4	17.1
26	19.0	17.0	18.1	20.2	18.4	19.5	20.6	19.7	20.0	17.3	16.3	16.8
27	19.0	17.2	18.1	20.5	18.7	19.7	21.0	19.3	20.1	17.6	16.4	17.0
28	19.4	17.0	18.2	20.7	19.1	20.0	21.3	20.0	20.6	17.9	17.1	17.5
29	20.3	18.1	19.3	21.2	19.5	20.4	20.2	18.6	19.2	18.1	17.3	17.7
30	20.3	18.5	19.5	22.0	20.1	21.1	19.0	17.4	18.3	18.4	17.1	17.8
31	19.7	17.7	18.6	---	---	---	20.0	18.3	19.0	18.8	17.5	18.2

**Table 9.** Daily values for water temperature, Rock Creek (Station 14206450) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	SEPTEMBER 1995 TO NOVEMBER 1995								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	19.5	18.0	18.7	15.6	14.6	15.0	6.9	6.4	6.6
2	19.2	18.7	18.9	15.1	14.7	15.0	6.4	5.4	5.8
3	18.9	18.1	18.4	15.3	15.0	15.1	5.4	4.6	5.1
4	18.5	17.5	18.0	15.0	14.6	14.8	5.4	4.8	5.1
5	18.1	17.4	17.8	14.6	13.3	13.8	6.9	5.4	6.0
6	18.0	16.9	17.2	13.9	13.3	13.7	8.7	6.9	7.7
7	17.3	16.7	17.0	13.8	13.1	13.5	10.4	8.6	9.3
8	17.6	16.3	17.0	13.5	13.1	13.3	11.6	10.4	11.1
9	18.2	17.0	17.7	13.4	12.9	13.2	11.6	10.7	11.2
10	18.9	17.7	18.2	13.9	13.3	13.5	10.7	9.8	10.0
11	18.7	17.8	18.3	13.9	13.6	13.8	11.5	9.9	11.0
12	18.3	17.2	17.8	13.8	12.7	13.2	11.5	11.2	11.4
13	18.5	17.2	17.9	12.7	11.7	12.1	12.1	11.2	11.5
14	18.9	17.4	18.1	12.2	11.3	11.8	12.7	12.0	12.4
15	19.0	18.0	18.5	12.7	11.6	12.1	12.9	12.5	12.7
16	18.7	17.7	18.1	13.7	12.7	13.1	12.8	12.5	12.7
17	17.9	17.5	17.7	13.7	13.1	13.4	12.8	12.3	12.5
18	17.5	16.5	17.0	13.1	12.1	12.6	12.7	12.0	12.3
19	17.3	16.2	16.8	12.1	11.0	11.4	12.0	11.0	11.5
20	17.6	16.5	17.1	11.9	11.2	11.5	11.0	10.0	10.3
21	17.3	16.6	16.9	11.7	11.4	11.5	10.1	9.6	9.8
22	16.8	15.2	16.0	11.6	10.6	11.0	11.1	9.9	10.3
23	16.0	14.4	15.3	11.1	10.3	10.7	11.7	11.1	11.4
24	15.9	14.4	15.2	11.4	10.9	11.2	12.3	11.7	12.1
25	16.4	15.4	15.9	11.3	10.9	11.1	12.3	11.6	12.1
26	16.0	15.4	15.6	12.2	11.3	11.7	11.6	10.4	10.9
27	16.2	15.4	15.7	12.1	11.6	11.9	10.4	9.9	10.1
28	16.3	15.9	16.1	11.6	10.6	10.9	11.2	9.9	10.4
29	16.1	15.6	15.8	10.6	9.4	9.8	11.8	11.2	11.6
30	16.1	15.6	15.9	9.6	8.4	8.8	11.8	11.4	11.6
31	---	---	---	8.4	6.9	7.3	---	---	---

**Table 10.** Daily values for water temperature, Tualatin River (Station 14206460) at Meriwether irrigation near Hillsboro, Oregon, May 1995 through November 1995

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

MAY 1995 TO AUGUST 1995												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	12.3	12.1	12.3	18.7	16.9	17.9	20.4	18.7	19.6	19.9	17.2	18.4
2	12.9	12.3	12.7	18.7	16.9	17.8	20.1	18.8	19.4	20.6	18.6	19.4
3	12.7	12.2	12.4	18.4	16.9	17.7	19.2	17.4	18.4	20.6	18.6	19.7
4	12.7	12.2	12.5	17.8	16.9	17.2	18.3	16.5	17.3	21.2	18.9	20.0
5	12.2	11.8	12.1	16.9	15.6	16.1	18.6	17.1	17.8	20.9	18.9	20.0
6	11.8	11.5	11.6	15.6	13.9	14.5	18.3	17.4	17.9	20.2	18.1	19.0
7	11.8	11.5	11.6	14.9	13.1	14.1	18.3	17.1	17.7	18.1	16.4	17.0
8	12.4	11.8	12.1	16.2	14.1	15.1	19.2	17.1	18.1	17.4	15.5	16.4
9	12.4	12.2	12.2	17.7	15.5	16.5	18.9	18.2	18.5	16.8	14.9	15.9
10	12.7	12.2	12.4	17.4	16.8	17.1	18.7	17.5	18.3	16.3	15.2	15.8
11	12.4	12.0	12.2	17.1	15.7	16.5	18.4	16.9	17.6	16.3	15.2	15.9
12	12.3	12.0	12.3	16.3	15.2	15.6	19.0	17.2	17.9	15.5	14.0	14.8
13	12.8	12.1	12.5	15.3	14.7	15.1	18.3	17.5	17.9	15.8	14.2	14.8
14	13.9	12.7	13.3	15.1	14.5	14.8	18.3	17.1	17.6	15.8	13.5	14.6
15	15.4	13.9	14.6	14.8	14.3	14.6	19.2	16.8	17.9	15.5	14.0	14.8
16	15.7	14.9	15.3	14.8	14.2	14.4	19.9	17.5	18.6	15.5	14.0	14.9
17	---	---	---	15.0	13.8	14.4	20.9	18.3	19.7	15.1	14.0	14.7
18	---	---	---	15.0	14.2	14.7	21.6	19.6	20.5	15.7	13.9	14.7
19	---	---	---	15.3	14.2	14.8	22.3	20.2	21.2	16.2	13.9	15.0
20	---	---	---	15.0	14.5	14.8	22.0	20.2	21.1	17.0	14.6	15.7
21	---	---	---	15.1	14.4	14.8	21.3	19.9	20.6	17.0	15.1	16.2
22	---	---	---	16.7	14.6	15.6	20.3	19.4	19.7	17.6	15.1	16.3
23	---	---	---	18.2	15.9	16.9	19.4	17.9	18.6	17.6	16.2	16.9
24	---	---	---	19.4	17.0	18.2	18.2	17.0	17.6	17.0	15.4	16.3
25	---	---	---	20.0	18.1	18.9	18.8	16.2	17.4	16.7	14.6	15.8
26	17.3	15.9	16.5	19.4	18.1	18.8	18.6	17.6	18.1	16.7	14.6	15.7
27	17.4	16.4	16.8	19.7	17.8	18.7	19.8	18.0	18.9	16.6	14.8	15.7
28	17.7	16.2	16.9	19.4	17.9	18.7	20.5	18.5	19.4	16.4	14.7	15.6
29	18.3	16.8	17.4	19.7	17.8	18.8	19.8	18.2	18.9	16.4	15.0	15.7
30	18.9	17.4	18.0	20.4	18.5	19.3	18.6	16.5	17.8	16.9	15.0	16.1
31	18.9	17.3	18.1	---	---	---	18.6	16.3	17.6	17.2	15.0	16.3



**Table 10.** Daily values for water temperature, Tualatin River (Station 14206460) at Meriwether irrigation near Hillsboro, Oregon, May 1995 through November 1995—Continued

SEPTEMBER 1995 TO NOVEMBER 1995									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	18.1	16.1	17.0	16.8	15.5	16.2	9.6	7.9	8.7
2	18.4	16.9	17.4	16.5	15.5	16.1	8.7	7.2	8.2
3	17.8	16.9	17.1	16.5	15.7	16.1	8.7	6.7	7.8
4	16.9	15.8	16.4	16.0	14.9	15.6	8.7	6.9	7.8
5	16.4	15.3	15.9	15.7	14.2	15.1	9.3	7.4	8.3
6	16.1	15.3	15.8	15.7	14.4	15.2	9.7	8.1	9.0
7	16.1	15.1	15.7	16.0	14.4	15.1	10.3	9.3	9.8
8	16.5	15.1	15.8	15.7	14.2	15.0	10.9	10.1	10.6
9	17.0	15.4	16.2	15.5	14.2	14.9	10.7	10.3	10.5
10	17.9	15.9	16.8	15.5	14.7	15.1	10.3	9.3	9.6
11	18.2	16.4	17.3	15.5	14.2	14.7	10.5	9.3	10.2
12	18.2	16.4	17.4	14.2	13.2	13.8	10.7	10.5	10.5
13	18.2	16.7	17.6	13.3	12.5	13.0	10.7	10.3	10.5
14	18.5	16.7	17.6	13.5	12.1	12.8	11.6	10.7	11.0
15	17.9	16.4	17.3	14.0	12.1	13.0	11.8	11.3	11.5
16	17.6	16.4	17.0	14.5	13.0	13.8	11.8	11.6	11.7
17	17.0	16.2	16.7	14.2	13.7	14.0	14.4	10.7	12.4
18	17.0	15.9	16.5	13.9	12.8	13.2	---	---	---
19	17.0	15.4	16.4	13.0	12.1	12.4	---	---	---
20	17.9	15.9	16.9	12.8	11.7	12.2	---	---	---
21	18.0	16.5	17.3	13.0	11.6	12.3	---	---	---
22	17.7	16.0	16.9	12.8	11.4	12.1	---	---	---
23	17.1	15.5	16.4	12.6	11.2	12.0	---	---	---
24	17.4	15.5	16.3	12.6	11.4	12.2	---	---	---
25	17.1	16.3	16.7	12.8	11.4	12.3	---	---	---
26	16.8	16.0	16.4	13.0	12.1	12.5	11.3	10.3	10.7
27	16.5	15.7	16.3	12.8	12.1	12.4	10.3	9.7	9.9
28	16.5	16.0	16.3	12.3	11.2	11.9	10.5	9.9	10.1
29	16.5	16.0	16.3	12.1	10.6	11.3	11.4	10.5	10.8
30	17.1	16.3	16.6	11.4	10.2	10.8	11.4	11.1	11.2
31	---	---	---	10.6	9.4	10.0	---	---	---

**Table 11.** Daily values for water temperature, Tualatin River (Station 14206500) near Farmington, Oregon, May 1994 through November 1994

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

MAY 1994 TO AUGUST 1994												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	12.6	12.1	12.4	15.6	14.3	14.8	17.7	16.8	17.2	18.2	17.0	17.5
2	12.6	11.9	12.1	15.3	14.5	15.0	17.1	16.2	16.6	18.2	17.3	17.7
3	12.1	11.6	11.8	15.6	14.8	15.3	16.5	15.1	15.8	19.1	17.6	18.2
4	12.8	11.9	12.2	16.3	15.2	15.7	15.1	14.1	14.7	18.8	18.2	18.6
5	12.6	12.1	12.3	15.7	15.2	15.6	14.3	13.8	14.0	18.5	17.5	17.8
6	---	---	---	15.7	14.9	15.3	15.1	13.8	14.3	17.6	16.7	17.0
7	---	---	---	15.2	14.4	14.9	17.2	14.6	15.9	17.3	16.1	16.9
8	---	---	---	15.2	14.4	14.9	19.0	16.6	17.7	16.4	15.8	16.2
9	17.3	16.4	16.8	16.0	14.4	15.3	19.7	18.0	18.6	16.4	15.3	15.7
10	17.6	16.1	16.9	17.2	15.5	16.4	19.3	18.0	18.5	17.0	15.3	16.1
11	17.3	16.4	16.9	18.4	17.2	17.6	18.4	17.2	17.7	18.2	16.4	17.3
12	17.0	16.1	16.4	18.3	18.0	18.1	18.4	16.9	17.5	18.8	17.3	18.0
13	16.4	15.3	15.8	18.0	17.1	17.6	18.7	17.2	17.6	19.2	17.8	18.4
14	15.8	15.0	15.3	17.1	15.9	16.6	18.4	17.2	17.5	18.9	18.0	18.6
15	15.3	14.5	14.8	16.2	15.4	15.8	18.1	16.9	17.4	18.6	17.4	17.9
16	14.5	14.0	14.3	15.7	14.8	15.3	18.1	16.9	17.3	18.0	17.4	17.5
17	14.3	13.8	14.0	15.7	15.1	15.3	18.4	17.2	17.5	18.3	17.1	17.5
18	14.3	13.5	13.9	16.2	15.1	15.4	18.7	17.2	18.0	18.6	17.1	17.8
19	14.0	13.5	13.9	16.4	15.0	15.7	19.3	18.1	18.5	18.6	17.1	17.9
20	14.0	14.0	14.0	17.6	16.1	16.7	19.7	18.4	19.0	18.3	17.4	17.8
21	14.8	13.8	14.2	18.8	17.2	17.9	19.7	18.7	19.2	17.4	15.9	16.7
22	15.9	14.0	14.9	19.5	18.2	18.7	20.0	18.7	19.2	16.5	15.4	16.0
23	16.7	15.0	15.8	19.1	17.6	18.6	20.8	19.1	19.7	16.2	15.4	15.6
24	17.6	16.1	16.7	17.9	16.7	17.2	20.1	18.5	19.4	17.1	15.4	16.1
25	17.9	17.3	17.4	17.0	16.1	16.6	18.5	17.3	17.7	17.7	16.2	16.9
26	17.3	16.4	17.0	17.0	16.1	16.4	17.3	16.1	16.8	18.6	16.8	17.4
27	16.7	15.3	16.0	17.7	16.1	16.7	18.2	16.4	17.2	18.6	16.8	17.7
28	15.3	13.8	14.6	18.3	16.5	17.4	19.1	17.5	18.2	18.9	17.4	18.1
29	15.0	14.0	14.4	18.6	17.3	17.8	18.8	18.2	18.6	18.6	17.4	17.9
30	15.3	14.0	14.4	18.3	17.1	17.7	18.8	17.5	18.0	18.3	17.1	17.5
31	14.8	14.5	14.7	---	---	---	18.2	17.3	17.5	18.5	17.0	17.6

**Table 11.** Daily values for water temperature, Tualatin River (Station 14206500) near Farmington, Oregon, May 1994 through November 1994—Continued

SEPTEMBER 1994 TO NOVEMBER 1994									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	18.2	17.0	17.5	18.0	17.4	17.8	11.3	9.8	10.5
2	17.6	16.7	17.1	17.4	16.5	16.9	9.8	8.8	9.3
3	17.0	16.1	16.8	16.5	15.4	16.0	8.8	8.0	8.4
4	16.4	15.6	16.0	16.0	15.1	15.5	8.0	7.7	7.8
5	16.4	15.6	16.0	15.4	14.1	14.7	7.9	7.5	7.7
6	17.0	15.8	16.4	15.4	14.1	14.8	7.7	7.5	7.6
7	17.6	16.4	16.8	15.4	14.1	14.9	7.9	7.5	7.7
8	17.3	16.4	16.9	15.5	13.9	14.7	8.2	7.8	8.0
9	16.7	16.1	16.6	15.5	13.9	14.7	8.6	8.2	8.4
10	16.4	15.8	16.3	15.2	13.7	14.6	8.4	7.8	8.2
11	16.4	15.8	16.1	14.7	13.7	14.2	8.0	7.5	7.7
12	16.4	15.3	15.8	14.5	13.5	13.9	7.9	7.5	7.6
13	16.0	15.2	15.6	13.7	12.7	13.3	7.9	7.5	7.7
14	16.6	15.5	16.2	13.7	12.7	13.3	8.1	7.8	8.0
15	17.2	16.0	16.6	13.6	12.6	13.2	8.3	7.9	8.1
16	17.8	16.3	17.0	13.3	12.1	12.8	8.3	7.8	8.1
17	18.7	16.9	17.6	12.9	11.7	12.5	7.8	7.0	7.5
18	18.7	17.5	18.0	12.6	11.7	12.1	7.0	6.3	6.6
19	18.7	17.5	18.0	12.4	11.5	12.0	6.3	5.8	6.0
20	18.7	17.5	18.0	12.9	11.5	12.3	6.2	5.8	6.0
21	18.7	17.7	18.1	13.3	11.9	12.8	6.0	5.7	5.7
22	18.7	17.5	18.1	13.3	12.4	12.8	5.8	5.3	5.6
23	18.8	17.8	18.3	13.1	12.2	12.7	5.7	5.3	5.5
24	18.2	17.5	17.8	13.1	11.9	12.5	6.3	5.5	5.8
25	18.2	17.0	17.6	12.6	11.7	12.2	6.9	6.3	6.7
26	18.2	17.0	17.5	13.3	11.9	12.6	6.9	6.7	6.8
27	18.2	17.3	17.5	13.3	12.4	13.0	6.7	6.3	6.5
28	17.9	17.3	17.5	12.9	11.7	12.3	6.5	6.3	6.4
29	18.2	17.3	17.7	11.7	10.8	11.1	6.9	6.3	6.5
30	18.0	17.3	17.7	10.8	10.2	10.5	8.5	6.9	7.6
31	---	---	---	11.1	10.6	10.8	---	---	---

**Table 12.** Daily values for water temperature, Tualatin River (Station 14206700) near Scholls, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

DAY	MAY 1994 TO AUGUST 1994											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	13.0	12.6	12.8	15.8	14.8	15.5	20.0	19.5	19.7	20.7	19.8	20.3
2	13.0	12.7	12.8	15.9	14.8	15.4	19.6	19.1	19.4	20.8	20.0	20.4
3	12.7	12.3	12.4	15.9	15.3	15.6	19.2	18.5	18.8	20.8	20.0	20.4
4	12.8	12.3	12.6	16.1	15.5	15.8	18.7	18.0	18.3	20.6	20.1	20.3
5	13.7	12.8	13.2	15.9	15.7	15.8	18.0	16.8	17.3	20.4	19.8	20.1
6	13.8	13.0	13.5	15.9	15.6	15.7	17.1	16.3	16.7	20.5	19.7	20.1
7	15.4	13.7	14.6	15.7	15.3	15.5	17.8	16.7	17.3	20.2	19.5	19.9
8	16.5	15.3	15.8	15.5	15.0	15.2	19.0	17.7	18.3	19.5	18.8	19.2
9	17.3	16.4	16.8	16.0	14.7	15.3	19.7	18.2	18.9	19.1	18.1	18.6
10	17.7	16.6	17.2	16.8	15.4	16.1	20.4	19.0	19.7	19.1	18.1	18.6
11	17.9	17.1	17.5	17.7	16.5	16.9	21.0	19.8	20.4	19.3	18.5	18.9
12	17.4	16.9	17.1	18.1	17.5	17.8	21.2	20.3	20.7	19.5	18.4	19.0
13	16.9	16.0	16.4	18.5	17.9	18.2	21.1	20.2	20.6	20.2	19.0	19.6
14	16.0	15.4	15.7	18.1	17.8	17.9	20.9	20.0	20.5	20.5	19.9	20.2
15	15.5	15.0	15.3	17.8	17.2	17.5	20.7	20.0	20.3	20.9	20.0	20.4
16	15.1	14.0	14.6	17.4	16.8	17.1	20.9	20.0	20.4	20.4	19.9	20.2
17	14.4	13.6	14.0	17.3	16.6	16.8	21.1	20.0	20.5	20.4	19.7	20.1
18	14.1	13.3	13.8	16.8	16.5	16.6	21.3	20.4	20.8	19.9	19.4	19.7
19	14.1	13.4	13.8	17.4	16.2	16.8	21.5	20.4	20.9	19.8	19.4	19.6
20	14.0	13.2	13.6	18.3	17.3	17.7	22.0	20.9	21.4	19.7	19.2	19.4
21	14.2	13.3	13.7	19.2	18.2	18.6	22.7	21.5	22.0	19.4	18.7	19.1
22	15.0	13.6	14.4	19.9	18.8	19.3	23.1	22.0	22.5	19.0	18.6	18.7
23	---	---	---	19.8	19.4	19.6	23.2	22.3	22.7	18.7	17.9	18.3
24	---	---	---	20.2	19.2	19.7	23.0	22.1	22.4	18.2	17.3	17.7
25	17.1	15.8	16.6	19.9	19.3	19.6	22.2	21.5	21.8	18.2	17.3	17.7
26	17.0	16.0	16.5	19.4	18.8	19.1	21.6	20.6	21.1	18.2	17.3	17.8
27	16.6	15.7	16.2	19.2	18.2	18.7	20.8	20.0	20.4	18.8	17.8	18.3
28	16.2	15.1	15.8	19.8	18.4	19.1	20.2	19.5	19.9	19.2	18.5	18.8
29	16.0	15.2	15.6	20.3	19.3	19.7	19.7	19.0	19.4	19.4	18.6	18.9
30	---	---	---	20.5	19.7	20.0	20.3	18.9	19.5	19.4	18.6	19.0
31	15.9	15.1	15.6	---	---	---	20.5	19.4	20.0	19.7	18.8	19.2

**Table 12.** Daily values for water temperature, Tualatin River (Station 14206700) near Scholls, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1994 TO NOVEMBER 1994									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	19.2	18.6	18.9	18.3	17.9	18.1	---	---	---
2	18.8	18.2	18.5	18.1	17.4	17.8	---	---	---
3	18.4	18.0	18.2	17.5	16.9	17.3	---	---	---
4	18.2	17.5	17.8	16.9	16.1	16.6	---	---	---
5	18.2	17.5	17.8	16.1	15.5	15.8	---	---	---
6	17.8	17.2	17.5	15.8	15.3	15.6	---	---	---
7	17.9	17.2	17.5	15.6	15.2	15.4	---	---	---
8	17.8	17.2	17.5	15.2	14.8	15.1	---	---	---
9	17.6	17.2	17.5	15.2	14.6	14.9	---	---	---
10	17.5	17.1	17.3	15.0	14.6	14.8	---	---	---
11	17.2	16.7	17.0	14.9	14.2	14.5	---	---	---
12	17.0	16.6	16.8	14.4	13.9	14.2	---	---	---
13	16.8	16.4	16.6	14.1	13.5	13.8	---	---	---
14	16.9	16.6	16.7	13.9	13.5	13.7	---	---	---
15	17.2	16.4	16.8	13.7	13.4	13.6	---	---	---
16	17.5	16.7	17.1	13.5	12.9	13.2	---	---	---
17	18.2	17.2	17.7	13.1	12.7	12.9	---	---	---
18	18.5	17.7	18.1	12.9	12.3	12.6	---	---	---
19	18.8	18.0	18.4	12.6	12.2	12.4	---	---	---
20	19.0	18.4	18.7	12.7	12.2	12.5	---	---	---
21	19.1	18.5	18.8	13.0	12.5	12.7	---	---	---
22	19.0	18.4	18.7	12.9	12.4	12.6	---	---	---
23	18.9	18.3	18.6	13.1	12.6	12.8	---	---	---
24	18.8	18.2	18.5	12.9	12.4	12.7	---	---	---
25	18.9	18.1	18.5	12.8	12.4	12.6	---	---	---
26	18.9	18.2	18.6	13.0	12.6	12.8	---	---	---
27	18.7	18.1	18.4	13.1	12.8	13.0	---	---	---
28	18.4	18.1	18.2	13.4	12.9	13.3	---	---	---
29	18.1	18.0	18.0	12.9	11.9	12.2	---	---	---
30	18.2	17.8	18.0	11.9	11.5	11.6	---	---	---
31	---	---	---	---	---	---	---	---	---

**Table 12.** Daily values for water temperature, Tualatin River (Station 14206700) near Scholls, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	13.8	13.5	13.6	20.6	19.7	20.1	22.1	21.4	21.7	21.0	20.3	20.6
2	14.2	13.7	13.8	20.5	19.8	20.2	22.3	21.8	22.1	20.9	20.4	20.6
3	14.4	14.0	14.2	20.5	19.8	20.1	21.9	21.4	21.7	20.9	20.3	20.6
4	14.0	13.8	13.9	20.4	19.9	20.0	21.4	20.8	21.1	21.2	20.5	20.8
5	13.9	13.4	13.7	19.9	19.0	19.4	21.2	20.6	20.8	21.6	20.8	21.2
6	13.5	13.1	13.2	19.0	17.5	18.3	20.8	19.8	20.2	21.5	21.2	21.3
7	13.1	12.7	12.9	17.5	17.0	17.2	20.0	19.7	19.8	21.3	20.5	20.9
8	13.3	12.6	12.8	17.2	16.8	17.0	20.6	19.7	20.1	20.5	20.0	20.2
9	13.4	13.2	13.3	17.8	17.0	17.3	20.6	20.4	20.5	20.0	19.4	19.7
10	13.3	13.1	13.2	18.1	17.7	17.9	20.4	19.8	20.1	19.5	18.5	19.0
11	13.5	13.1	13.3	18.2	17.7	17.9	20.0	19.5	19.8	18.5	18.1	18.4
12	13.3	13.1	13.2	18.5	18.0	18.2	19.9	19.6	19.8	18.1	17.6	17.8
13	13.5	12.3	13.2	18.4	17.7	18.0	19.8	19.3	19.5	17.7	17.2	17.5
14	14.3	12.0	13.3	17.7	16.8	17.1	19.8	19.4	19.6	17.4	16.6	16.9
15	15.3	14.0	14.6	16.8	16.5	16.7	20.1	19.6	19.9	17.1	16.8	16.9
16	16.0	15.3	15.7	16.7	16.4	16.5	20.6	20.0	20.3	17.0	16.6	16.7
17	16.2	15.7	15.9	16.7	16.4	16.6	21.4	20.5	20.9	16.6	16.2	16.3
18	16.0	15.5	15.8	16.7	16.4	16.6	22.1	21.3	21.7	16.6	16.1	16.3
19	16.0	15.3	15.6	16.8	16.4	16.6	22.8	21.8	22.2	16.9	16.2	16.5
20	16.0	15.3	15.6	17.0	16.7	16.8	23.3	22.4	22.8	17.4	16.6	16.9
21	16.5	15.6	16.0	17.0	16.8	16.9	23.4	22.9	23.1	17.6	17.0	17.3
22	17.3	16.4	16.8	17.6	16.7	17.1	23.3	22.9	23.0	18.0	17.5	17.8
23	18.0	17.3	17.6	18.6	17.4	17.9	23.0	22.2	22.6	18.2	17.9	18.0
24	18.6	17.7	18.1	19.8	18.4	18.9	22.2	21.6	21.8	18.1	17.6	17.8
25	18.9	18.1	18.5	20.7	19.3	19.8	21.7	21.0	21.3	18.0	17.4	17.7
26	19.1	18.3	18.7	21.4	20.1	20.6	21.1	20.3	20.7	18.0	17.5	17.8
27	19.3	18.6	19.0	21.5	20.6	21.0	20.6	20.0	20.3	18.0	17.6	17.8
28	19.7	18.8	19.2	21.5	20.7	21.0	20.6	20.0	20.3	18.1	17.5	17.8
29	20.0	19.2	19.6	21.6	20.6	21.0	20.5	20.0	20.3	17.9	17.5	17.7
30	20.1	19.5	19.8	21.6	21.0	21.3	20.6	19.9	20.3	18.0	17.4	17.7
31	20.4	19.6	20.0	---	---	---	20.7	20.1	20.4	18.1	17.4	17.7

**Table 12.** Daily values for water temperature, Tualatin River (Station 14206700) near Scholls, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	SEPTEMBER 1995 TO NOVEMBER 1995								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	18.4	17.7	18.1	16.6	16.2	16.4	10.5	6.9	9.9
2	18.6	18.1	18.3	16.5	16.4	16.4	6.9	6.0	6.3
3	18.6	18.3	18.5	16.5	16.3	16.4	6.0	5.5	5.6
4	18.9	18.3	18.6	16.5	16.1	16.3	6.0	5.7	5.8
5	18.9	18.5	18.7	16.3	15.7	16.0	6.4	5.8	6.2
6	18.8	17.8	18.3	16.0	15.4	15.7	7.8	6.3	7.1
7	17.8	17.2	17.5	15.6	15.2	15.4	9.1	7.8	8.4
8	17.4	16.9	17.2	15.2	15.0	15.1	9.2	8.7	9.1
9	17.8	17.2	17.5	15.2	14.9	15.1	9.1	8.6	8.8
10	18.0	17.4	17.7	15.1	15.0	15.1	8.9	8.3	8.5
11	18.2	17.7	18.0	15.2	15.0	15.0	9.4	8.9	9.2
12	18.4	17.8	18.1	15.0	14.3	14.7	9.4	9.2	9.3
13	18.6	18.0	18.3	14.3	13.8	14.0	9.7	9.4	9.4
14	18.8	18.2	18.6	13.8	13.5	13.6	10.3	9.7	10.0
15	19.0	18.6	18.8	13.7	13.3	13.5	10.4	10.1	10.3
16	18.9	18.6	18.8	13.8	13.6	13.6	10.4	10.3	10.3
17	18.6	18.2	18.5	14.0	13.6	13.9	10.3	10.1	10.2
18	18.2	17.7	17.9	13.9	13.5	13.7	10.1	9.8	10.0
19	17.9	17.4	17.6	13.7	13.2	13.5	9.8	9.2	9.4
20	17.9	17.4	17.6	13.2	13.0	13.1	9.2	8.6	8.8
21	17.7	17.4	17.6	13.1	12.7	13.0	8.6	8.3	8.4
22	17.4	16.8	17.2	12.8	12.3	12.6	8.7	8.3	8.4
23	17.2	16.8	17.0	12.9	12.3	12.6	10.1	8.7	9.3
24	17.3	16.7	17.0	13.0	12.6	12.8	10.3	10.0	10.1
25	17.4	17.0	17.2	13.0	12.6	12.8	10.0	9.4	9.7
26	17.3	17.1	17.2	13.0	12.7	12.9	9.4	8.4	8.9
27	17.1	16.9	17.0	13.2	12.8	13.1	8.9	8.4	8.7
28	17.0	16.7	16.9	13.2	12.7	12.9	9.5	8.9	9.1
29	16.7	16.5	16.6	12.7	12.1	12.4	---	---	---
30	16.7	16.4	16.6	12.1	11.4	11.7	---	---	---
31	---	---	---	11.4	10.4	10.8	---	---	---

**Table 13.** Daily values for water temperature, Tualatin River (Station 14206800) near Tualatin, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

DAY	MAY 1994 TO AUGUST 1994											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	13.4	12.7	13.2	17.3	16.4	16.9	21.0	20.0	20.4	23.3	21.5	22.4
2	13.2	12.7	13.0	17.4	16.5	16.8	20.4	19.7	20.0	23.3	21.5	22.3
3	13.0	12.7	12.8	16.8	16.2	16.5	20.4	19.4	19.8	23.0	21.5	22.1
4	13.5	12.7	13.0	17.2	16.2	16.5	19.7	19.0	19.4	22.6	21.1	21.7
5	14.0	12.9	13.3	16.6	16.3	16.4	19.3	19.0	19.1	22.2	21.1	21.4
6	14.7	13.4	13.9	16.6	16.1	16.3	20.0	18.7	19.3	22.2	20.8	21.3
7	15.4	14.2	14.7	16.7	15.8	16.2	21.0	19.0	19.8	21.5	20.8	21.2
8	15.3	14.8	15.1	16.7	15.9	16.4	21.3	19.3	20.1	20.8	20.1	20.5
9	15.9	14.8	15.4	17.6	16.4	16.9	21.6	19.3	20.2	21.5	19.8	20.4
10	17.0	15.6	16.2	18.6	16.8	17.7	21.2	19.2	20.1	21.5	19.8	20.5
11	17.3	16.4	16.8	18.9	17.7	18.2	21.5	19.2	20.1	21.5	19.8	20.6
12	17.9	17.0	17.5	18.9	18.0	18.3	21.5	19.2	20.2	21.5	20.1	20.7
13	17.9	17.3	17.5	18.4	17.8	18.1	21.9	19.5	20.4	21.8	20.1	20.8
14	17.9	17.3	17.4	18.1	17.5	17.8	21.9	19.8	20.6	21.4	20.3	20.7
15	17.3	17.0	17.1	18.5	17.5	17.9	21.4	20.1	20.6	21.4	20.0	20.4
16	17.0	16.4	16.8	18.8	17.6	18.1	22.5	20.1	21.0	21.0	19.7	20.2
17	16.4	15.9	16.2	18.8	17.9	18.2	22.9	20.7	21.7	21.4	19.7	20.3
18	16.2	15.9	15.9	19.2	17.9	18.5	22.9	21.4	22.0	21.0	19.7	20.3
19	15.9	15.6	15.7	19.5	18.0	18.8	23.7	21.4	22.3	21.0	20.0	20.3
20	15.6	15.1	15.4	20.2	18.6	19.3	24.0	21.7	22.8	20.3	19.7	20.0
21	15.6	15.1	15.2	20.6	19.0	19.6	24.4	22.0	23.2	20.0	19.7	19.8
22	16.2	15.1	15.5	20.6	19.3	19.8	24.4	22.4	23.4	20.0	19.7	19.8
23	16.7	15.6	16.0	19.9	19.3	19.5	24.8	22.8	23.6	20.3	19.3	19.7
24	17.6	16.1	16.7	20.2	18.7	19.4	23.6	22.4	23.1	20.3	19.3	19.7
25	17.3	16.7	17.0	20.2	19.2	19.5	23.8	22.4	22.9	20.3	19.0	19.5
26	17.3	16.7	17.0	19.5	19.2	19.3	23.8	22.3	22.8	20.3	19.0	19.6
27	17.3	16.4	16.8	21.2	19.2	19.8	24.2	22.3	23.1	20.7	19.0	19.7
28	17.0	16.4	16.8	21.8	19.8	20.6	24.2	22.7	23.3	20.0	19.3	19.5
29	17.3	16.1	16.6	21.8	20.4	20.8	23.4	22.3	22.8	20.0	19.0	19.4
30	17.3	16.1	16.7	22.1	20.4	20.9	23.8	21.9	22.5	20.3	18.7	19.3
31	17.0	17.0	17.0	---	---	---	23.7	21.5	22.4	20.3	18.7	19.2



**Table 13.** Daily values for water temperature, Tualatin River (Station 14206800) near Tualatin, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1994 TO NOVEMBER 1994									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	19.7	18.4	19.0	18.4	17.5	17.8	10.9	10.2	10.6
2	19.3	18.4	18.7	17.8	16.9	17.3	10.4	9.6	10.2
3	18.7	18.4	18.4	17.2	16.3	16.8	9.6	8.8	9.2
4	19.0	18.1	18.4	17.0	16.0	16.4	8.8	8.2	8.5
5	19.7	18.1	18.6	16.4	15.9	16.1	8.2	7.9	8.0
6	19.5	18.4	18.8	16.2	15.6	15.8	7.9	7.7	7.7
7	19.5	18.5	18.8	16.2	15.3	15.6	7.9	7.5	7.7
8	18.8	18.5	18.5	15.9	15.1	15.3	7.7	7.5	7.6
9	18.5	18.2	18.3	15.3	14.8	15.1	7.9	7.5	7.7
10	18.2	17.6	17.9	15.1	14.5	14.8	8.0	7.9	7.9
11	17.9	17.6	17.7	14.8	14.0	14.4	8.2	8.0	8.1
12	17.6	17.0	17.3	14.3	13.8	13.9	8.0	7.9	7.9
13	17.6	17.0	17.1	13.8	13.3	13.6	7.9	7.5	7.7
14	17.6	17.0	17.2	13.5	13.0	13.2	7.9	7.5	7.6
15	17.9	17.0	17.3	13.3	12.6	12.9	7.9	7.7	7.7
16	18.5	17.0	17.6	12.8	12.3	12.5	7.9	7.7	7.8
17	18.8	17.3	17.8	12.3	11.9	12.2	7.7	7.5	7.6
18	18.8	17.3	17.8	12.1	11.6	11.9	7.5	6.9	7.2
19	18.8	17.3	17.9	11.9	11.4	11.7	6.9	6.2	6.6
20	18.7	17.5	17.9	11.9	11.7	11.7	6.2	5.9	6.1
21	18.7	17.5	18.0	12.1	11.7	11.8	5.9	5.7	5.7
22	19.0	17.5	18.0	11.9	11.4	11.7	5.7	5.4	5.6
23	18.7	17.5	18.0	11.9	11.4	11.7	5.7	5.4	5.5
24	18.4	17.5	17.9	11.9	11.2	11.5	5.7	5.6	5.6
25	18.4	17.5	17.9	11.7	11.2	11.4	5.9	5.7	5.8
26	18.7	17.5	18.0	11.9	11.4	11.6	6.5	5.9	6.2
27	18.7	17.5	18.0	12.1	11.7	12.0	6.7	6.5	6.7
28	18.1	17.8	17.9	12.1	11.9	11.9	6.7	6.5	6.5
29	18.1	17.8	17.8	12.3	11.9	12.2	6.7	6.5	6.5
30	18.1	17.5	17.8	11.9	11.2	11.6	7.2	6.7	7.0
31	---	---	---	11.3	10.9	11.2	---	---	---

**Table 13.** Daily values for water temperature, Tualatin River (Station 14206800) near Tualatin, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	12.9	12.4	12.8	20.1	18.8	19.6	22.4	20.9	21.8	22.8	20.6	21.6
2	13.1	12.4	12.7	20.5	19.1	19.8	22.0	21.2	21.8	22.4	20.6	21.3
3	13.6	12.9	13.0	20.5	19.1	19.8	21.5	20.8	21.2	22.4	20.6	21.3
4	13.6	13.1	13.5	19.9	19.2	19.6	21.8	20.5	21.1	22.8	20.6	21.5
5	13.1	12.6	12.9	19.5	18.6	19.1	21.8	20.7	21.2	23.2	20.9	21.8
6	13.1	12.6	12.8	18.6	18.3	18.4	21.1	20.3	20.8	22.0	20.9	21.5
7	12.7	12.2	12.4	18.6	17.7	18.2	21.3	19.9	20.7	21.3	20.6	20.9
8	12.9	12.0	12.4	18.6	17.7	18.2	21.7	20.3	21.1	21.7	20.2	20.8
9	12.7	12.4	12.5	18.6	17.7	18.2	21.4	20.3	20.9	21.7	20.2	20.8
10	13.1	12.4	12.7	18.3	16.8	17.7	20.6	19.6	20.1	21.0	20.2	20.7
11	12.9	12.4	12.7	18.0	16.8	17.3	20.3	19.3	19.7	20.9	19.9	20.4
12	13.6	12.6	12.9	17.4	16.8	17.0	20.7	19.0	19.8	20.9	19.9	20.4
13	13.6	12.6	13.1	17.1	16.8	16.9	20.1	19.4	19.7	20.6	19.6	19.9
14	14.1	12.9	13.6	17.4	16.8	16.9	20.1	19.1	19.7	19.9	18.9	19.4
15	14.9	13.6	14.2	17.1	16.8	16.9	20.7	19.0	19.8	19.3	18.3	19.0
16	15.1	14.1	14.6	17.1	16.0	16.4	21.1	19.7	20.4	18.6	17.7	18.1
17	14.9	14.3	14.7	16.3	15.4	15.8	21.5	20.0	20.8	18.3	17.4	17.6
18	15.4	14.8	14.9	16.1	15.5	15.6	22.2	20.7	21.3	18.3	17.1	17.5
19	15.8	14.5	15.2	15.8	15.3	15.5	23.0	21.1	21.8	18.0	16.8	17.3
20	16.1	15.0	15.6	15.8	15.3	15.5	23.4	21.5	22.3	18.3	16.8	17.6
21	16.1	15.2	15.6	15.8	15.0	15.5	23.1	21.5	22.2	18.3	17.1	17.7
22	16.3	15.2	15.8	16.5	15.3	15.9	23.1	21.5	22.3	18.3	17.1	17.9
23	16.6	15.4	16.1	17.5	16.1	16.8	22.3	21.5	22.0	18.3	17.4	18.0
24	17.0	15.9	16.4	18.4	16.9	17.8	22.7	21.5	22.0	18.3	17.1	17.7
25	18.2	16.2	17.2	18.9	17.7	18.3	23.1	21.5	22.2	18.6	17.4	17.9
26	18.5	17.0	17.9	19.6	18.3	18.9	22.7	21.5	22.1	18.3	17.4	17.8
27	18.5	17.6	18.2	20.1	18.5	19.4	23.1	21.5	22.2	18.6	17.4	18.0
28	18.8	17.9	18.5	20.8	19.4	20.1	23.4	21.5	22.4	18.6	17.7	18.2
29	19.5	18.2	18.9	21.4	20.0	20.8	22.7	21.2	21.8	18.6	17.7	18.2
30	19.8	18.5	19.3	22.0	21.0	21.4	22.8	20.8	21.5	19.3	17.7	18.4
31	19.8	18.8	19.4	---	---	---	22.4	20.6	21.5	19.3	18.0	18.5

**Table 13.** Daily values for water temperature, Tualatin River (Station 14206800) near Tualatin, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	SEPTEMBER 1995 TO NOVEMBER 1995								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	19.6	18.0	18.7	16.2	15.7	16.0	10.2	9.6	10.0
2	19.3	18.3	18.7	16.2	15.7	15.9	9.8	9.0	9.4
3	18.6	18.3	18.5	16.2	15.7	15.8	9.2	8.4	8.9
4	18.9	18.0	18.4	16.1	15.5	15.7	8.6	8.4	8.4
5	18.6	18.0	18.3	16.1	15.0	15.4	8.4	8.2	8.3
6	18.3	17.7	18.0	16.1	15.0	15.3	8.4	8.2	8.3
7	18.3	17.4	17.8	15.8	15.0	15.2	8.6	8.2	8.4
8	18.3	17.4	17.9	15.2	14.7	14.9	9.0	8.4	8.6
9	18.6	17.7	18.2	15.2	14.7	14.8	9.4	8.6	8.9
10	19.0	18.0	18.5	15.0	14.4	14.8	10.4	9.4	10.1
11	18.9	18.0	18.4	14.7	14.2	14.4	10.9	10.2	10.4
12	18.9	18.0	18.4	14.4	13.9	14.1	10.7	9.8	10.2
13	18.6	17.7	18.1	13.9	13.4	13.7	11.1	10.5	10.7
14	18.9	17.7	18.2	13.7	13.4	13.5	11.1	10.7	10.9
15	18.6	18.0	18.3	13.8	13.2	13.4	11.3	10.9	11.1
16	18.3	18.0	18.2	13.8	13.3	13.5	11.8	11.3	11.6
17	18.3	18.0	18.3	13.3	12.8	13.3	12.0	11.5	11.7
18	18.3	17.7	18.0	13.1	12.6	12.8	12.0	11.5	11.6
19	18.6	17.7	18.1	12.8	12.3	12.5	11.5	11.3	11.4
20	18.6	17.7	18.2	12.6	12.1	12.3	11.3	10.9	11.1
21	18.6	18.0	18.1	12.6	12.1	12.2	10.9	10.2	10.6
22	18.3	17.4	17.9	12.1	11.9	12.1	10.5	10.2	10.3
23	18.3	17.1	17.6	12.1	11.7	11.9	10.5	10.0	10.1
24	18.0	16.8	17.3	12.1	11.7	11.8	10.7	9.8	10.2
25	17.7	16.8	17.2	11.7	11.7	11.7	11.5	10.5	11.0
26	17.1	16.5	16.8	11.9	11.4	11.7	11.5	11.1	11.2
27	16.8	16.5	16.7	11.8	11.4	11.6	11.1	10.2	10.7
28	16.8	16.2	16.6	11.8	11.3	11.5	10.5	10.0	10.2
29	16.5	16.0	16.3	11.5	11.1	11.3	10.5	10.2	10.3
30	16.8	16.0	16.2	11.1	10.7	11.0	11.3	10.5	10.9
31	---	---	---	11.1	10.2	10.5	---	---	---

**Table 14.** Daily values for specific conductance, Tualatin River (Station 14206440) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[Values in microsiemens per centimeter at 25 degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

DAY	MAY 1994 to AUGUST 1994											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	187	179	183	110	106	107	82	79	80	117	115	116
2	179	172	175	108	105	107	83	80	82	122	115	118
3	172	165	168	109	107	108	81	78	79	128	122	125
4	165	161	163	110	107	108	82	77	80	128	124	126
5	161	144	150	112	107	110	80	78	79	124	118	122
6	145	141	143	113	107	111	82	77	80	120	117	118
7	146	142	144	110	108	109	91	82	87	122	118	120
8	145	142	143	110	106	108	95	90	93	124	119	122
9	146	136	141	106	96	100	95	90	91	121	118	120
10	137	132	135	101	96	99	93	82	86	129	121	125
11	132	122	126	104	101	103	87	82	85	131	128	130
12	122	112	116	109	103	106	91	84	88	131	129	130
13	113	106	110	108	103	105	90	88	89	131	89	101
14	113	107	110	104	100	102	89	88	89	97	88	92
15	113	109	111	103	100	101	89	87	88	96	86	90
16	113	105	109	102	98	100	88	86	87	94	84	89
17	107	102	105	99	96	98	94	88	91	95	86	89
18	103	99	101	101	97	99	95	91	93	94	87	90
19	100	99	99	102	100	101	98	92	95	101	88	92
20	122	95	107	105	101	104	97	91	94	95	83	88
21	108	104	107	106	104	105	96	94	95	88	81	85
22	108	105	107	112	99	107	99	94	96	91	81	85
23	108	104	107	99	93	96	100	97	98	93	81	86
24	109	106	107	96	90	93	99	97	98	97	86	90
25	109	107	108	97	90	93	99	97	98	94	87	90
26	113	108	110	97	92	95	102	97	100	95	92	94
27	110	107	108	92	86	90	113	102	108	96	94	94
28	111	108	110	90	85	88	115	110	112	98	96	97
29	111	108	109	87	81	85	115	114	114	97	93	95
30	110	106	108	82	80	81	115	112	114	96	86	92
31	107	105	106	---	---	---	117	112	115	93	87	91

**Table 14.** Daily values for specific conductance, Tualatin River (Station 14206440) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	SEPTEMBER 1994 to NOVEMBER 1994								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	101	88	96	145	141	143	---	---	---
2	101	100	101	145	142	144	---	---	---
3	101	97	99	145	143	144	---	---	---
4	104	99	103	144	140	143	---	---	---
5	110	101	105	141	139	140	---	---	---
6	111	108	109	141	138	139	---	---	---
7	112	109	111	139	137	138	---	---	---
8	114	109	111	138	134	135	---	---	---
9	112	110	111	135	133	134	---	---	---
10	115	110	113	135	131	133	---	---	---
11	116	115	116	132	130	131	---	---	---
12	119	116	117	130	126	128	---	---	---
13	119	116	117	126	124	125	---	---	---
14	125	119	122	125	123	124	---	---	---
15	127	123	125	124	122	123	---	---	---
16	125	123	124	122	119	121	---	---	---
17	127	123	125	121	119	120	---	---	---
18	126	118	121	120	111	117	---	---	---
19	122	116	119	114	112	113	---	---	---
20	130	122	126	113	112	113	---	---	---
21	135	129	133	115	113	114	---	---	---
22	139	135	137	115	113	114	---	---	---
23	141	137	139	114	111	112	---	---	---
24	138	134	135	134	114	123	---	---	---
25	139	135	137	121	117	118	---	---	---
26	143	138	140	125	117	120	---	---	---
27	143	141	142	140	125	133	---	---	---
28	144	141	143	143	122	130	---	---	---
29	144	141	143	---	---	---	---	---	---
30	143	141	142	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---

**Table 14.** Daily values for specific conductance, Tualatin River (Station 14206440) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	91	88	89	105	102	104	99	96	98	96	85	88
2	92	88	90	105	103	104	102	99	100	100	90	95
3	89	86	86	107	103	105	102	93	97	101	88	95
4	87	85	86	107	98	103	96	91	93	92	88	90
5	89	85	87	100	96	97	105	96	100	93	90	92
6	88	84	86	101	96	99	103	101	102	93	81	88
7	87	85	86	97	96	97	103	100	102	81	78	80
8	86	85	85	98	96	97	102	98	100	83	80	81
9	87	85	86	102	98	101	113	97	102	81	74	76
10	93	86	89	105	102	103	124	105	115	78	76	77
11	101	91	95	103	98	101	111	104	108	78	73	76
12	102	96	99	98	95	96	107	103	105	80	72	76
13	101	96	99	99	95	97	110	102	105	79	74	77
14	106	98	101	102	99	101	110	100	104	75	73	74
15	103	99	101	104	99	101	111	107	109	74	72	73
16	104	100	101	104	101	102	107	101	103	76	74	74
17	103	100	101	102	99	100	103	101	102	76	75	75
18	105	97	101	100	99	100	105	101	102	76	74	75
19	105	101	103	107	100	103	105	100	103	79	75	78
20	104	94	97	106	102	105	103	96	99	79	77	78
21	106	99	101	102	101	102	101	97	98	78	76	77
22	106	100	102	106	102	104	100	97	98	81	76	78
23	110	102	104	110	105	108	99	90	95	86	81	84
24	108	104	106	110	108	109	91	88	89	86	76	79
25	107	102	105	109	101	106	93	87	89	79	76	78
26	103	100	102	103	99	101	99	93	96	79	76	77
27	104	100	102	103	100	102	100	98	99	78	74	77
28	105	99	102	101	96	98	100	99	99	75	73	74
29	100	98	99	103	98	100	104	99	102	78	73	75
30	100	98	99	101	97	98	99	89	93	80	77	79
31	104	100	102	---	---	---	89	88	89	81	73	79

**Table 14.** Daily values for specific conductance, Tualatin River (Station 14206440) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	SEPTEMBER 1995 TO NOVEMBER 1995								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	81	79	80	128	124	125	125	123	124
2	87	81	83	129	119	125	135	125	131
3	87	80	83	123	119	121	144	127	138
4	81	74	77	124	114	121	140	130	137
5	76	74	75	114	105	107	134	128	132
6	83	76	80	112	105	107	136	128	133
7	89	82	86	114	111	113	144	128	136
8	93	87	91	122	114	119	136	114	126
9	91	89	90	119	115	117	114	84	98
10	92	89	91	122	115	120	92	79	82
11	92	89	90	130	118	122	111	92	105
12	98	90	93	131	121	125	108	72	86
13	98	96	97	133	114	119	87	71	77
14	97	90	94	122	114	118	92	87	90
15	90	86	88	124	121	123	104	92	98
16	88	84	85	129	124	126	110	103	107
17	89	86	87	132	129	131	113	109	111
18	89	86	87	130	117	126	118	113	115
19	92	86	89	117	110	114	116	104	107
20	110	92	98	113	110	112	106	104	105
21	100	96	97	125	113	117	113	105	107
22	98	95	96	126	123	125	114	109	111
23	96	91	93	126	121	124	113	106	111
24	97	92	94	121	119	120	117	105	112
25	100	96	98	119	117	118	111	81	90
26	98	93	96	128	118	122	83	78	81
27	96	92	94	128	114	122	91	83	85
28	108	96	103	117	114	116	99	81	92
29	116	105	111	120	117	119	81	73	76
30	125	116	121	123	119	121	81	77	79
31	---	---	---	125	123	124	---	---	---

**Table 15.** Daily values for specific conductance, Tualatin River (Station 14206460) at Meriwether irrigation near Hillsboro, Oregon, May 1995 through November 1995

[Values in microsiemens per centimeter at 25 degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	134	116	127	218	167	197	237	174	203	257	167	216
2	138	122	131	238	181	208	240	173	209	293	221	252
3	131	114	122	262	192	216	218	170	198	357	195	254
4	134	112	126	236	168	199	245	172	205	319	216	271
5	138	118	129	210	160	191	246	195	225	319	214	258
6	132	114	123	197	158	181	269	206	242	266	198	240
7	131	111	121	187	143	165	281	222	254	250	183	218
8	131	117	124	195	148	176	286	201	242	252	181	215
9	133	111	126	211	154	186	275	203	235	217	160	190
10	140	122	130	221	163	194	230	164	193	240	156	202
11	152	127	141	215	163	191	211	159	187	241	175	208
12	143	123	135	188	149	173	234	191	212	209	141	172
13	145	119	134	206	162	186	236	182	214	202	138	168
14	150	129	140	221	172	197	260	193	227	187	130	162
15	152	130	142	217	175	193	285	208	249	195	129	164
16	159	134	148	175	148	163	258	182	223	198	139	176
17	---	---	---	204	139	172	264	203	235	216	163	193
18	---	---	---	207	156	180	280	231	252	215	172	193
19	---	---	---	209	168	191	283	216	257	230	157	190
20	---	---	---	203	165	186	286	192	250	225	149	192
21	---	---	---	210	160	188	279	197	248	214	155	194
22	---	---	---	230	180	207	288	207	254	234	172	203
23	---	---	---	237	187	216	258	189	227	272	210	239
24	---	---	---	245	181	214	233	174	210	250	182	228
25	---	---	---	234	180	206	243	178	215	254	174	222
26	191	146	172	227	183	207	272	202	237	277	177	223
27	207	159	181	230	182	209	265	191	240	259	181	221
28	190	146	171	219	168	203	305	215	255	230	161	207
29	192	141	166	241	173	216	269	193	241	238	180	214
30	204	160	180	239	176	217	243	167	210	242	202	221
31	231	166	197	---	---	---	236	164	208	251	188	221



**Table 15.** Daily values for specific conductance, Tualatin River (Station 14206460) at Meriwether irrigation near Hillsboro, Oregon, May 1995 through November 1995—Continued

DAY	SEPTEMBER 1995 TO NOVEMBER 1995								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	269	193	229	284	202	245	262	197	235
2	288	202	240	269	204	245	264	206	235
3	263	190	226	297	219	258	261	208	238
4	239	160	205	253	193	230	258	201	231
5	234	181	206	246	174	222	253	197	229
6	238	186	215	273	201	240	254	203	237
7	232	185	207	310	226	261	255	210	231
8	218	171	193	308	216	261	214	163	184
9	221	162	189	308	224	270	163	114	133
10	232	160	195	322	251	283	125	107	114
11	224	169	202	306	156	229	147	118	133
12	234	173	209	167	144	156	118	96	103
13	248	193	220	192	156	179	105	95	100
14	238	169	206	238	171	200	113	104	110
15	227	170	196	260	181	223	124	113	117
16	239	162	201	284	212	250	129	110	118
17	246	165	206	282	235	261	---	---	---
18	244	182	212	262	196	222	---	---	---
19	242	175	213	209	160	186	---	---	---
20	263	178	228	231	164	199	---	---	---
21	284	216	251	253	184	219	---	---	---
22	286	212	251	262	181	225	---	---	---
23	312	194	251	259	185	231	---	---	---
24	318	213	261	258	198	236	---	---	---
25	306	215	258	276	193	242	---	---	---
26	256	184	225	282	226	255	100	95	98
27	252	199	231	235	186	206	114	97	104
28	232	189	210	248	171	208	113	93	103
29	226	169	204	266	185	222	94	87	91
30	280	194	234	272	202	238	94	90	93
31	---	---	---	279	226	252	---	---	---

**Table 16.** Daily values for specific conductance, Tualatin River (Station 14206500) near Farmington, Oregon, May 1994 through November 1994

[Values in microsiemens per centimeter at 25 degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

DAY	MAY 1994 to AUGUST 1994											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	173	150	163	209	174	193	228	179	203	213	156	189
2	172	151	165	218	175	199	237	177	209	202	173	188
3	173	154	164	216	173	202	213	143	179	224	181	208
4	176	161	169	228	177	209	188	135	162	232	190	214
5	167	132	147	249	175	218	177	136	159	229	196	213
6	---	---	---	246	186	219	178	149	165	215	178	198
7	---	---	---	230	196	216	220	151	193	224	178	203
8	---	---	---	216	171	195	225	183	213	224	176	201
9	189	172	179	194	152	172	238	189	217	206	151	183
10	199	183	189	184	164	175	230	164	200	209	156	192
11	198	180	189	204	171	192	206	151	179	231	174	207
12	196	173	187	229	176	202	190	151	179	227	180	209
13	193	172	184	228	176	207	207	166	194	231	184	214
14	195	177	185	219	171	203	210	171	194	244	178	212
15	204	171	189	---	---	---	205	172	195	223	166	200
16	200	177	191	---	---	---	209	159	190	211	166	196
17	195	172	181	---	---	---	200	157	182	225	182	211
18	187	168	178	219	178	197	208	156	187	236	177	214
19	186	157	173	229	181	205	212	168	198	249	188	225
20	187	154	169	221	175	198	219	182	201	244	181	218
21	189	155	174	---	---	---	212	167	192	225	158	198
22	189	159	175	254	182	218	200	167	189	209	151	180
23	187	165	179	226	169	203	212	186	201	187	146	173
24	190	152	179	205	164	187	217	165	194	210	146	193
25	199	171	186	195	167	184	196	156	177	227	169	209
26	203	161	188	239	178	206	181	163	172	230	175	209
27	206	173	192	227	177	202	192	167	183	240	169	211
28	228	176	204	210	177	196	214	187	200	248	174	212
29	223	152	194	217	172	196	228	196	215	230	174	203
30	194	153	174	215	177	197	232	177	209	215	169	198
31	177	156	168	---	---	---	228	158	197	239	163	215

**Table 16.** Daily values for specific conductance, Tualatin River (Station 14206500) near Farmington, Oregon, May 1994 through November 1994—Continued

DAY	SEPTEMBER 1994 to NOVEMBER 1994								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	238	179	214	243	201	222	201	138	165
2	243	186	218	246	178	218	138	103	113
3	236	158	199	259	181	224	145	110	122
4	211	152	180	244	196	229	170	132	144
5	196	131	170	265	198	240	176	141	152
6	185	132	167	279	217	257	152	133	141
7	192	139	173	281	234	263	171	142	148
8	196	144	182	277	217	253	171	143	152
9	210	140	186	272	195	237	171	151	162
10	191	149	181	261	187	233	151	126	140
11	234	157	198	247	196	231	151	122	131
12	211	137	177	259	205	240	154	127	135
13	176	136	162	253	199	234	149	131	139
14	205	144	183	256	203	240	158	126	138
15	229	170	199	271	219	252	164	139	151
16	206	160	190	274	209	243	164	148	159
17	220	164	201	250	189	228	165	137	145
18	257	169	210	238	201	222	146	133	138
19	214	154	187	244	198	225	159	134	141
20	212	152	191	251	193	232	155	141	146
21	220	165	206	262	195	235	153	123	133
22	251	174	226	287	224	263	147	124	133
23	253	208	229	284	219	248	154	131	140
24	237	182	213	263	199	243	156	130	137
25	246	166	210	262	198	241	147	124	134
26	240	171	209	291	208	256	143	122	131
27	219	176	206	290	137	203	137	115	125
28	235	168	213	138	130	133	134	113	122
29	267	192	240	165	136	148	137	109	115
30	257	198	236	191	164	171	137	112	118
31	---	---	---	208	191	200	---	---	---

**Table 17.** Daily values for specific conductance, Tualatin River (Station 14206800) near Tualatin, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[Values in microsiemens per centimeter at 25 degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

DAY	MAY 1994 to AUGUST 1994											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	---	---	---	206	199	203	215	201	208	204	197	201
2	---	---	---	208	203	206	202	192	198	204	198	202
3	---	---	---	214	206	211	193	190	191	201	190	196
4	---	---	---	213	204	210	207	193	202	191	184	188
5	---	---	---	204	193	198	208	203	206	188	184	186
6	---	---	---	193	185	187	204	201	203	198	187	192
7	162	151	159	192	186	188	213	198	201	211	197	205
8	151	132	138	205	192	200	204	199	202	217	210	214
9	138	133	135	208	203	205	207	203	205	216	208	214
10	147	133	139	217	206	210	205	192	200	209	199	203
11	154	147	150	220	216	219	193	180	186	201	197	199
12	163	151	158	221	218	220	181	171	176	209	197	202
13	169	157	163	220	215	218	173	169	171	216	209	213
14	172	166	169	215	203	210	173	168	170	217	212	215
15	174	170	171	203	190	196	183	171	176	213	206	210
16	174	166	169	191	180	185	194	183	188	208	206	207
17	184	172	176	188	181	184	210	194	203	209	205	208
18	178	173	177	199	188	194	213	208	211	208	198	204
19	187	176	180	203	197	200	210	196	203	198	191	194
20	189	174	180	205	200	203	197	185	191	200	192	195
21	183	171	176	204	199	201	190	184	187	209	200	205
22	177	170	172	205	199	201	195	189	192	216	209	213
23	173	168	171	202	193	197	198	191	196	221	215	218
24	170	162	165	198	193	195	198	195	197	220	215	219
25	172	160	165	202	197	200	197	192	195	216	207	212
26	174	161	168	205	200	202	195	192	194	210	205	207
27	170	161	166	209	204	206	198	192	196	219	210	214
28	176	166	169	207	204	205	205	196	202	227	218	222
29	181	165	170	218	206	213	207	202	205	230	225	228
30	192	167	172	219	214	217	204	198	202	227	213	220
31	199	178	187	---	---	---	199	195	197	213	199	206

**Table 17.** Daily values for specific conductance, Tualatin River (Station 14206800) near Tualatin, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	SEPTEMBER 1994 to NOVEMBER 1994								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	200	192	196	211	204	206	150	113	128
2	193	189	191	227	211	218	172	112	147
3	193	188	190	235	227	232	112	98	102
4	209	193	202	233	222	228	116	103	108
5	218	209	214	222	216	217	138	116	128
6	219	216	218	217	215	216	154	138	146
7	220	213	217	216	213	214	153	145	148
8	214	206	209	213	212	212	145	138	141
9	216	207	212	221	211	215	149	144	147
10	220	211	216	237	221	229	156	146	150
11	214	202	210	240	237	239	163	145	157
12	202	189	195	238	227	234	145	129	135
13	190	177	182	228	221	223	133	126	130
14	180	178	179	222	218	221	137	128	131
15	189	180	185	231	222	227	137	132	135
16	199	189	194	236	229	233	138	133	136
17	199	191	196	252	236	244	156	133	145
18	197	191	193	260	252	256	156	138	147
19	213	197	205	259	247	254	138	126	133
20	213	206	210	247	234	240	130	126	129
21	207	194	202	237	233	235	140	129	135
22	195	184	189	234	233	234	138	117	131
23	184	181	182	239	233	237	127	117	123
24	200	183	190	237	234	235	125	119	123
25	212	200	207	245	234	241	133	124	130
26	213	210	211	245	234	242	131	126	128
27	223	212	217	238	141	188	133	123	130
28	226	220	224	229	182	211	123	116	119
29	220	208	215	227	123	157	121	116	119
30	208	204	205	123	118	120	117	102	109
31	---	---	---	122	114	120	---	---	---

**Table 17.** Daily values for specific conductance, Tualatin River (Station 14206800) near Tualatin, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	127	122	124	192	180	185	214	205	210	262	254	259
2	127	126	127	192	176	184	207	204	206	257	241	249
3	127	125	126	184	174	179	207	205	206	245	228	235
4	127	124	126	182	172	176	212	205	208	235	222	227
5	127	126	126	194	181	186	211	203	207	242	226	231
6	126	123	125	206	193	198	221	209	214	249	236	241
7	128	124	126	210	198	202	227	214	219	255	245	250
8	128	125	127	217	201	212	215	204	209	264	253	259
9	126	124	125	209	195	202	206	201	204	258	235	250
10	125	123	124	202	195	199	207	196	202	235	222	227
11	127	124	125	199	186	193	221	194	207	237	221	225
12	130	125	127	187	172	178	244	221	234	265	234	250
13	130	127	129	186	177	182	244	231	237	265	254	261
14	129	124	126	190	181	187	238	233	235	254	224	237
15	126	121	124	198	182	189	235	201	220	230	206	220
16	124	121	122	198	174	189	201	196	197	211	197	201
17	122	119	121	192	174	181	197	189	194	215	201	210
18	123	119	121	198	189	193	201	190	194	215	179	202
19	---	---	---	196	181	190	210	201	206	184	174	180
20	---	---	---	182	162	168	218	210	214	178	172	176
21	---	---	---	176	164	169	221	217	219	174	169	172
22	---	---	---	185	174	179	233	220	224	180	169	174
23	---	---	---	190	179	186	241	227	234	189	180	183
24	---	---	---	197	187	194	251	240	244	201	189	194
25	---	---	---	191	185	188	243	235	239	208	201	205
26	168	161	165	191	180	187	257	236	245	205	198	202
27	170	164	167	198	182	193	267	244	253	199	195	196
28	176	169	173	211	198	203	269	255	262	202	196	200
29	181	172	178	215	209	211	260	255	258	205	198	202
30	184	176	181	213	210	212	258	255	256	204	200	203
31	183	177	180	---	---	---	260	254	257	224	204	212

**Table 17.** Daily values for specific conductance, Tualatin River (Station 14206800) near Tualatin, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	SEPTEMBER 1995 TO NOVEMBER 1995								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	237	224	233	259	250	253	250	231	244
2	237	231	234	267	259	263	231	204	213
3	231	228	230	259	233	245	204	197	202
4	232	226	229	234	232	233	221	196	208
5	232	226	229	236	221	231	229	212	218
6	227	215	221	223	213	220	235	229	232
7	222	215	219	223	211	215	241	230	235
8	228	222	226	238	223	228	240	207	224
9	234	225	229	244	238	242	225	213	219
10	242	234	239	248	236	244	227	161	198
11	238	216	229	241	196	227	161	100	121
12	216	212	213	242	213	227	129	100	113
13	219	213	216	259	222	247	119	91	102
14	223	218	221	267	224	253	98	91	93
15	221	213	219	224	165	185	106	97	103
16	213	203	209	166	155	160	111	104	106
17	205	197	203	164	157	161	119	111	116
18	205	197	201	173	161	166	130	119	126
19	210	203	206	189	173	178	136	129	132
20	214	209	211	211	189	194	144	135	140
21	221	214	217	236	211	221	143	129	133
22	226	221	224	255	236	249	133	127	130
23	222	213	218	254	223	239	138	133	135
24	213	206	209	223	191	208	145	136	140
25	208	205	207	192	187	190	143	125	135
26	217	207	213	205	189	193	125	96	110
27	219	212	215	224	205	213	96	93	94
28	219	214	217	230	217	223	110	93	98
29	239	215	224	232	225	229	110	91	101
30	254	238	250	233	229	231	91	83	87
31	---	---	---	251	232	244	---	---	---

**Table 18.** Daily values for air temperature, Tualatin River (Station 14204800) near Cornelius, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

DAY	MAY 1994 TO AUGUST 1994											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	20.6	4.7	11.1	18.1	7.8	13.1	20.1	14.7	17.1	28.4	13.8	20.9
2	15.8	7.7	11.1	20.5	9.5	15.2	20.2	12.5	16.3	28.5	15.1	21.7
3	14.0	6.8	11.0	19.4	8.4	14.8	19.4	11.1	15.5	27.4	16.6	21.2
4	20.7	10.7	15.4	18.5	12.9	15.5	17.4	10.9	14.6	24.5	15.1	20.0
5	30.4	8.8	18.0	15.6	11.3	13.8	21.3	12.0	15.7	24.3	14.0	18.9
6	28.4	8.9	20.3	14.9	11.1	12.6	25.2	10.1	17.4	24.7	12.1	19.0
7	31.3	13.3	21.8	16.1	10.2	12.8	29.4	17.1	22.7	19.7	14.1	17.7
8	---	---	---	19.1	8.3	14.1	27.6	15.8	21.1	19.2	12.9	15.8
9	30.3	9.1	18.1	22.5	10.7	16.9	26.7	11.9	19.6	24.8	13.6	18.5
10	26.8	11.2	18.8	25.7	12.6	19.1	27.5	11.4	19.3	28.0	12.6	20.1
11	21.1	13.1	16.9	24.2	14.5	19.1	28.0	10.0	19.8	26.8	14.0	19.9
12	19.5	10.4	15.1	20.5	15.1	17.5	28.0	11.3	20.0	26.4	15.7	20.4
13	17.6	8.5	13.3	15.4	11.6	13.5	27.4	12.5	19.8	28.2	14.5	20.9
14	17.4	9.7	13.3	14.5	10.8	12.4	24.5	14.0	18.9	24.5	15.9	19.9
15	16.0	11.3	12.7	18.0	8.6	12.9	27.1	13.7	19.5	25.0	13.6	19.1
16	14.3	10.9	12.2	19.0	9.3	14.0	29.8	15.7	22.4	24.9	13.6	19.0
17	14.8	9.7	12.1	18.2	9.3	13.9	28.5	13.6	21.0	25.4	13.2	19.1
18	18.2	10.7	13.8	18.1	10.1	13.7	27.5	15.8	21.5	24.9	13.1	19.0
19	17.3	10.3	13.3	24.0	8.9	16.8	34.2	17.5	25.3	22.4	14.4	18.3
20	15.4	12.3	13.5	26.3	12.0	19.3	35.0	17.2	25.9	22.9	14.7	18.5
21	18.6	11.8	14.5	24.7	13.3	18.8	35.1	18.6	26.3	21.0	13.7	17.1
22	21.6	11.7	16.1	24.3	12.9	18.1	35.3	19.9	26.2	21.1	13.5	17.3
23	25.5	11.1	18.0	19.0	12.0	16.5	32.5	19.7	25.1	23.5	12.6	18.1
24	26.6	12.7	19.0	21.5	9.9	15.6	23.0	16.8	19.7	23.9	10.7	17.6
25	19.7	12.8	16.6	19.7	11.2	15.6	26.0	14.6	19.8	24.9	13.3	18.5
26	17.3	9.5	13.7	20.9	13.3	16.2	28.7	13.7	21.2	25.4	13.0	19.1
27	16.4	7.3	12.6	26.2	13.3	19.5	30.3	14.8	22.5	29.0	12.2	20.4
28	13.3	10.9	12.1	26.8	14.5	20.0	28.2	14.7	20.6	23.3	15.6	19.2
29	15.2	10.7	12.8	23.0	13.0	17.4	23.4	15.1	19.0	23.2	14.2	18.1
30	21.4	8.2	14.7	24.1	11.9	17.9	24.5	12.8	18.9	27.9	12.5	19.8
31	17.7	10.1	14.1	---	---	---	28.2	12.1	20.1	25.2	14.2	19.4



**Table 18.** Daily values for air temperature, Tualatin River (Station 14204800) near Cornelius, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1994 TO NOVEMBER 1994									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	22.1	10.7	16.8	21.6	11.7	17.2	8.5	4.9	6.4
2	21.1	9.2	15.4	19.7	5.5	12.8	8.6	1.5	4.5
3	19.9	13.8	16.8	19.5	6.9	13.5	4.4	1.5	3.1
4	22.4	12.4	17.0	20.9	7.7	14.6	7.2	4.4	5.6
5	27.2	11.0	19.0	19.2	5.3	12.5	8.0	1.9	4.8
6	26.0	12.1	18.8	18.2	9.3	13.7	8.4	2.2	4.7
7	24.9	11.5	18.0	19.7	7.1	12.6	9.0	4.9	6.4
8	20.1	13.3	17.0	20.9	6.2	13.1	8.3	3.8	5.6
9	17.2	12.5	14.9	19.3	7.7	12.6	10.3	2.6	7.4
10	18.1	12.4	14.4	15.3	9.4	12.2	9.9	.7	3.5
11	19.4	12.1	14.9	15.4	4.9	9.8	5.6	2.3	4.6
12	22.1	8.5	15.2	16.1	6.4	9.9	10.0	3.0	5.3
13	21.7	8.8	15.6	13.4	3.7	8.9	7.8	3.1	5.6
14	21.7	14.5	17.6	13.5	6.4	10.3	8.4	3.4	5.5
15	24.7	11.5	18.1	14.1	5.8	9.3	7.3	5.4	6.3
16	29.2	13.3	20.6	15.2	2.9	8.2	7.0	3.0	4.8
17	27.1	14.8	20.6	11.5	4.2	7.6	6.9	.6	3.1
18	26.8	13.5	20.4	13.3	1.6	7.0	2.0	-1.4	.6
19	27.5	14.2	21.2	14.4	4.0	9.0	6.8	1.4	3.4
20	28.0	16.2	22.5	14.7	8.1	11.5	6.8	.1	2.4
21	30.3	14.9	22.3	15.9	7.6	11.8	.9	-1.0	-.1
22	30.1	12.9	20.8	13.8	3.5	8.2	1.7	-.9	.2
23	28.0	11.6	19.6	15.9	7.9	10.7	5.4	.8	3.5
24	23.8	11.7	17.2	16.7	4.1	9.2	7.4	3.1	5.2
25	28.1	11.6	18.7	13.6	3.9	9.0	6.9	1.8	4.4
26	26.6	13.3	20.2	14.5	11.9	13.4	5.7	1.1	3.5
27	28.1	13.0	20.2	12.3	8.9	11.3	7.9	1.9	4.4
28	21.6	14.9	17.5	13.9	6.4	9.7	7.1	1.6	4.2
29	18.7	16.0	17.1	8.6	3.5	5.9	10.7	5.5	8.2
30	19.2	15.1	17.1	10.3	6.8	8.3	11.3	8.2	10.0
31	---	---	---	12.2	7.1	9.8	---	---	---

**Table 18.** Daily values for air temperature, Tualatin River (Station 14204800) near Cornelius, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	13.7	11.3	12.2	26.2	12.7	19.2	29.4	18.0	23.8	28.5	17.8	22.8
2	15.4	10.5	12.2	22.2	13.7	17.7	23.7	19.3	20.9	26.8	16.3	20.8
3	16.1	8.3	12.4	23.0	11.7	17.1	23.1	17.9	20.3	27.6	16.2	21.8
4	15.6	9.5	12.1	18.8	12.4	16.0	24.9	17.2	20.7	30.3	20.1	24.3
5	13.5	9.8	11.7	14.4	10.2	12.0	24.2	17.6	20.4	25.3	18.1	21.3
6	14.8	10.7	12.6	14.4	8.7	12.0	20.0	16.4	18.6	21.4	15.0	18.0
7	14.6	9.6	12.7	20.5	11.6	15.7	24.3	16.1	19.7	20.3	14.8	17.4
8	18.6	10.9	14.2	23.7	11.6	17.9	28.3	17.7	22.6	22.4	14.9	18.2
9	14.5	11.8	13.2	24.6	14.1	19.3	21.6	16.5	19.9	27.3	12.7	19.8
10	14.4	9.9	11.8	18.0	12.4	16.2	22.7	13.8	18.0	19.9	16.8	18.1
11	13.6	8.8	10.9	20.5	9.9	15.0	23.6	15.0	19.3	21.2	15.2	18.0
12	14.9	6.8	10.7	17.3	12.6	14.9	25.1	14.7	19.5	21.1	12.9	16.8
13	20.4	8.9	14.5	15.0	13.1	14.0	---	---	---	23.1	10.7	16.5
14	24.7	10.0	17.7	15.4	13.0	14.0	---	---	---	24.7	12.2	18.3
15	23.0	11.7	17.0	16.6	13.0	14.6	---	---	---	20.3	16.3	18.3
16	17.3	13.3	15.3	17.7	12.1	14.8	---	---	---	18.6	13.8	16.2
17	14.0	11.1	12.5	17.7	13.1	14.9	---	---	---	19.8	12.7	15.3
18	16.5	10.5	12.9	16.0	12.8	13.8	32.9	20.9	26.4	21.7	9.8	15.7
19	22.4	9.3	15.5	17.0	12.3	14.3	31.9	21.0	26.3	25.5	11.4	18.3
20	23.8	9.9	16.9	17.1	13.3	14.9	31.2	20.0	25.0	27.2	13.6	20.3
21	22.8	11.2	17.4	18.5	13.4	15.6	27.2	20.3	22.5	24.6	14.7	19.6
22	24.7	12.7	18.2	23.7	12.1	17.5	23.9	19.8	21.6	25.6	13.6	19.6
23	23.4	11.1	17.2	27.1	14.4	20.9	23.3	19.3	21.0	21.9	14.2	18.1
24	24.8	10.9	17.6	27.3	17.2	21.8	24.6	18.1	21.2	22.1	11.2	16.8
25	26.3	12.6	19.3	27.6	15.2	21.2	28.1	15.2	21.1	24.3	12.0	17.8
26	25.8	11.4	18.6	27.9	15.9	21.7	23.3	18.1	20.1	21.7	10.8	16.6
27	22.9	13.5	17.5	29.8	16.4	23.7	26.9	17.7	21.7	24.4	14.5	18.5
28	27.6	12.9	20.0	30.7	16.8	24.3	25.2	16.7	20.5	22.6	14.0	17.9
29	28.4	14.7	21.4	32.0	16.5	24.9	22.5	12.8	17.9	20.9	16.2	18.2
30	25.5	14.9	20.1	33.4	17.7	25.9	26.2	11.8	19.2	24.5	13.3	18.6
31	24.6	13.1	18.3	---	---	---	29.5	17.4	23.3	27.3	13.2	20.1

**Table 18.** Daily values for air temperature, Tualatin River (Station 14204800) near Cornelius, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	SEPTEMBER 1995 TO NOVEMBER 1995								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	28.4	14.4	21.2	17.5	10.1	14.1	---	---	---
2	24.0	16.1	19.5	---	---	---	---	---	---
3	19.9	16.8	18.2	---	---	---	---	---	---
4	22.8	15.4	18.0	---	---	---	---	---	---
5	20.7	15.0	17.5	---	---	---	---	---	---
6	18.1	13.4	15.8	---	---	---	---	---	---
7	18.2	14.6	16.1	---	---	---	---	---	---
8	23.3	12.4	17.2	---	---	---	---	---	---
9	25.5	14.0	19.5	---	---	---	9.2	6.9	7.7
10	26.1	14.9	20.1	---	---	---	11.9	5.0	7.9
11	24.8	14.4	19.3	---	---	---	13.2	10.2	11.9
12	26.5	13.5	20.0	---	---	---	10.8	9.5	10.1
13	26.4	14.1	19.8	---	---	---	17.0	10.0	12.5
14	28.0	15.0	21.3	---	---	---	16.8	10.5	12.6
15	24.8	15.7	19.8	---	---	---	14.4	10.2	12.9
16	19.3	16.2	18.0	---	---	---	15.2	10.1	11.7
17	20.0	15.7	18.1	---	---	---	14.1	11.3	12.5
18	22.4	12.5	17.1	---	---	---	13.7	8.3	10.9
19	24.9	13.3	19.1	---	---	---	13.7	8.0	9.9
20	26.6	15.1	21.2	---	---	---	13.3	5.5	8.6
21	25.0	14.5	20.9	---	---	---	10.5	6.8	8.4
22	25.8	9.8	17.9	---	---	---	13.4	9.1	11.0
23	24.0	10.2	16.6	---	---	---	12.8	10.8	11.7
24	23.1	12.3	16.8	---	---	---	14.7	11.8	13.0
25	19.3	15.3	16.9	---	---	---	12.6	8.2	10.6
26	17.2	14.0	15.4	---	---	---	10.4	7.4	8.6
27	18.5	15.3	16.3	---	---	---	11.4	7.9	9.1
28	17.8	14.5	15.5	---	---	---	13.8	10.3	13.0
29	19.5	14.0	15.8	---	---	---	13.1	11.9	12.5
30	18.9	12.8	15.8	---	---	---	11.9	10.8	11.3
31	---	---	---	---	---	---	---	---	---

**Table 19.** Daily values for air temperature, Rock Creek (Station 14206450) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

DAY	MAY 1994 TO AUGUST 1994											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	---	---	---	19.5	6.8	13.5	21.2	14.0	17.7	29.7	14.0	22.5
2	---	---	---	22.8	8.2	15.8	21.9	12.7	17.0	29.5	14.9	22.9
3	---	---	---	21.4	7.5	16.3	22.4	12.5	16.9	28.4	17.3	22.1
4	---	---	---	20.1	12.9	16.4	19.6	10.5	15.0	25.6	15.3	20.7
5	---	---	---	16.9	10.9	14.2	22.6	11.7	16.4	25.6	14.1	19.6
6	---	---	---	17.2	11.2	13.7	26.1	10.2	18.1	26.6	12.5	20.4
7	---	---	---	17.9	10.2	13.2	31.2	13.9	23.5	23.5	13.3	18.0
8	---	---	---	21.1	7.5	15.0	29.4	14.2	22.2	20.4	12.0	16.3
9	24.2	10.0	17.3	23.8	10.2	18.0	28.2	11.0	20.6	25.5	12.9	19.5
10	27.9	10.3	20.0	26.9	12.3	20.4	28.5	10.3	20.3	29.9	12.5	21.7
11	23.9	13.2	17.3	26.4	14.2	20.0	29.7	10.7	20.9	28.2	14.3	21.1
12	20.9	10.9	15.9	23.3	15.6	18.6	29.2	11.3	20.7	27.7	15.0	21.0
13	18.3	8.1	14.0	17.2	12.3	14.9	29.3	12.4	20.7	29.4	14.5	22.2
14	19.0	9.7	14.1	16.2	10.2	13.3	25.7	11.8	18.8	26.3	15.0	20.6
15	17.4	10.7	13.4	19.9	7.4	13.6	27.4	12.4	19.1	26.1	14.0	20.7
16	17.1	10.4	12.9	21.4	9.4	14.7	31.5	13.5	22.7	26.5	12.5	20.5
17	15.9	9.3	13.0	20.8	8.9	15.0	29.4	14.1	22.4	26.4	13.6	20.7
18	---	---	---	19.8	10.3	14.2	27.9	15.5	22.2	26.7	12.7	20.4
19	---	---	---	25.4	8.1	18.0	35.0	15.5	25.4	24.4	15.3	19.9
20	---	---	---	27.9	11.9	20.8	36.8	17.4	27.4	24.5	15.0	19.4
21	---	---	---	26.4	12.5	20.1	36.4	18.6	27.5	23.1	14.4	18.1
22	---	---	---	26.5	13.2	19.8	36.7	19.2	27.5	23.9	12.5	17.6
23	---	---	---	21.8	11.8	17.5	33.8	19.5	26.1	23.9	12.9	18.9
24	---	---	---	22.1	9.7	16.5	24.5	17.6	21.2	24.9	11.0	18.4
25	---	---	---	21.8	10.8	16.7	26.9	15.0	20.8	25.5	12.3	19.3
26	---	---	---	21.9	12.4	16.7	28.9	14.5	22.2	26.3	12.5	19.6
27	---	---	---	27.7	9.6	20.0	31.8	15.4	23.8	31.1	12.4	21.7
28	---	---	---	27.8	12.5	20.9	29.1	15.3	21.9	24.6	15.0	19.9
29	---	---	---	23.3	12.8	18.1	23.9	14.2	19.5	24.1	14.5	18.9
30	---	---	---	25.4	12.1	18.5	25.1	12.1	19.9	28.8	11.6	20.6
31	---	---	---	---	---	---	29.5	11.8	21.5	26.8	13.9	19.9

**Table 19.** Daily values for air temperature, Rock Creek (Station 14206450) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1994 TO NOVEMBER 1994									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	23.1	12.1	17.9	22.1	9.8	17.3	9.4	4.3	6.5
2	22.6	9.5	16.6	20.3	6.2	12.3	7.6	1.1	4.4
3	21.2	12.6	17.2	20.0	5.3	12.6	4.9	.8	3.3
4	23.1	11.7	17.4	21.1	8.1	15.3	7.3	3.6	5.4
5	28.9	10.5	19.3	20.0	4.7	12.5	8.1	1.7	4.8
6	27.7	12.0	19.6	18.7	9.5	14.0	8.9	1.0	4.3
7	26.5	12.0	18.9	20.6	6.3	11.9	9.7	3.6	6.2
8	20.3	14.7	17.2	22.1	5.3	12.7	8.1	3.4	5.7
9	19.4	12.4	15.6	19.6	7.2	12.6	9.9	2.0	7.3
10	19.9	11.7	14.7	15.8	8.4	11.9	7.6	.2	3.3
11	19.8	11.7	14.8	15.5	3.4	9.4	5.5	2.4	4.6
12	22.7	8.0	15.5	16.3	4.9	9.7	9.1	2.3	5.1
13	22.7	9.2	16.4	14.1	2.7	8.8	9.1	2.3	5.8
14	22.8	14.4	18.0	14.3	6.3	10.0	9.8	2.9	5.8
15	26.0	11.4	18.4	14.9	4.9	8.9	7.9	5.4	6.5
16	31.2	12.2	20.9	15.9	2.2	7.9	8.2	2.7	5.0
17	28.6	14.1	21.2	12.1	3.7	7.7	5.8	-.3	2.6
18	27.0	13.3	20.2	14.2	1.2	6.9	2.2	-2.6	.3
19	27.7	12.7	20.0	15.2	3.1	9.2	5.6	.7	3.3
20	27.8	13.2	20.6	14.7	8.9	11.8	7.4	-.6	2.1
21	31.1	13.1	22.4	15.9	6.3	11.3	1.3	-2.0	-.3
22	32.0	12.4	21.2	14.3	2.6	7.9	2.8	-1.3	.3
23	29.5	11.7	19.6	16.6	6.4	10.6	6.2	.8	4.4
24	24.2	12.1	17.0	17.8	3.6	8.9	7.9	3.9	5.9
25	27.9	11.5	18.5	16.0	3.4	9.7	6.9	1.2	4.7
26	26.0	12.2	18.2	14.4	12.0	13.5	5.5	.0	3.2
27	28.8	10.9	18.8	12.9	9.3	11.6	6.9	1.6	4.1
28	21.9	14.0	17.3	15.0	6.5	10.1	7.4	.7	4.3
29	19.3	15.2	17.1	9.8	3.7	6.3	10.2	5.8	7.9
30	20.1	14.1	17.0	11.5	5.9	8.6	11.0	8.6	9.8
31	---	---	---	12.0	7.4	9.6	---	---	---

**Table 19.** Daily values for air temperature, Rock Creek (Station 14206450) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	15.0	11.7	12.8	25.6	9.8	18.4	29.7	15.7	23.0	28.8	15.3	22.1
2	16.9	9.3	12.8	22.0	10.3	16.3	22.4	16.2	18.8	26.1	13.5	19.6
3	17.3	6.9	12.8	22.9	9.7	17.1	22.5	14.3	18.5	28.5	14.2	21.2
4	16.3	8.8	12.2	19.9	10.9	15.5	25.1	14.1	19.0	31.6	16.0	23.9
5	13.6	9.6	11.6	15.3	8.0	11.6	22.7	14.2	18.3	25.2	13.8	20.2
6	15.7	9.8	12.6	15.0	6.7	11.0	18.5	13.7	16.1	21.5	13.8	17.5
7	14.8	8.3	12.2	21.1	10.4	15.2	23.4	12.5	17.8	21.2	13.4	17.3
8	19.5	8.8	14.3	24.5	10.0	18.2	27.4	14.1	20.8	22.6	13.7	17.5
9	14.7	11.5	12.9	26.5	12.1	19.9	19.1	12.2	17.0	27.5	10.7	19.8
10	16.1	8.6	11.9	18.2	10.4	15.3	21.8	9.9	16.4	19.3	13.9	17.1
11	15.4	8.7	11.6	20.6	7.6	14.3	21.8	11.0	17.2	22.2	14.0	17.6
12	15.5	6.3	10.8	17.8	10.0	14.4	24.4	10.7	17.9	21.5	11.9	16.4
13	21.4	6.2	14.2	14.8	11.5	13.0	21.1	10.7	16.5	22.7	8.8	15.8
14	26.7	8.7	19.0	16.0	11.3	13.3	20.8	13.6	17.4	25.8	10.1	18.1
15	25.6	11.3	18.7	17.6	11.6	14.3	25.5	11.7	19.1	21.4	15.1	17.7
16	18.4	12.4	15.5	17.5	11.0	14.5	30.5	13.2	22.5	18.9	12.9	15.4
17	14.8	9.8	12.0	18.3	12.0	14.3	33.1	14.6	24.5	19.1	10.4	14.0
18	16.7	9.5	12.6	16.3	11.1	12.9	31.7	16.6	23.9	21.8	8.9	14.9
19	23.0	6.3	15.2	17.9	10.6	13.6	31.3	17.2	24.3	25.9	10.0	18.0
20	24.6	8.8	17.7	17.6	11.5	14.1	29.1	15.9	22.5	28.7	11.9	20.1
21	24.6	9.3	18.4	19.0	11.6	14.7	25.2	16.1	19.5	25.0	12.2	19.0
22	25.6	11.4	18.7	23.4	9.9	17.0	22.5	16.5	19.1	25.3	12.0	18.8
23	23.3	10.0	17.4	27.4	12.4	20.5	21.5	16.2	18.5	21.2	12.4	16.8
24	25.2	10.1	17.2	26.8	14.4	21.3	22.9	16.1	18.8	21.4	8.4	15.5
25	26.8	11.0	19.4	26.9	12.2	20.2	27.2	12.4	19.8	24.2	8.8	17.0
26	26.1	10.8	18.8	27.0	12.6	20.5	22.1	16.2	18.4	20.9	7.8	15.4
27	22.9	11.7	16.9	28.9	12.6	22.1	25.4	15.1	20.2	23.3	11.7	17.5
28	27.9	10.8	20.0	29.9	12.8	23.0	25.9	13.7	19.5	22.8	11.5	17.0
29	29.6	13.2	21.8	31.5	13.1	24.0	22.0	9.7	16.5	20.8	13.8	16.7
30	24.8	12.3	19.5	33.6	14.9	25.3	25.2	9.7	17.9	23.8	11.2	17.5
31	23.6	10.0	17.5	---	---	---	29.6	12.6	22.5	28.2	11.1	19.2

**Table 19.** Daily values for air temperature, Rock Creek (Station 14206450) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	SEPTEMBER 1995 TO NOVEMBER 1995								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	29.5	11.9	20.2	18.0	8.2	13.3	11.5	2.1	7.0
2	22.5	13.8	17.7	17.3	13.0	14.7	11.7	-1.8	3.9
3	19.4	14.7	16.6	17.2	11.0	14.2	13.8	-1.7	4.1
4	22.2	13.3	16.9	17.9	8.8	13.1	7.5	-.4	3.8
5	20.4	13.6	16.3	20.4	6.0	12.9	10.1	4.3	7.0
6	16.9	11.6	14.3	17.7	9.8	12.8	9.7	5.5	7.8
7	19.5	13.4	15.5	17.9	8.2	12.4	13.7	9.7	12.1
8	24.3	10.6	16.9	15.6	10.0	12.2	14.5	6.9	12.2
9	26.7	11.7	19.1	16.6	9.9	12.6	10.1	6.1	7.5
10	26.9	13.1	19.5	16.2	12.7	14.1	11.3	3.6	7.3
11	24.7	12.3	17.7	14.2	9.7	11.9	12.7	10.1	11.6
12	27.0	11.2	18.2	14.7	5.9	9.8	11.2	9.3	10.2
13	28.2	11.5	19.0	16.4	4.9	9.7	18.4	9.7	13.1
14	30.3	12.9	20.8	20.1	5.5	11.9	17.1	10.9	12.9
15	24.6	13.6	18.7	19.3	7.8	12.5	14.9	11.0	13.2
16	19.2	15.0	17.0	18.3	12.1	14.8	15.6	10.4	11.9
17	19.9	15.1	17.2	13.4	7.7	12.2	15.2	10.1	12.7
18	22.2	10.7	16.0	14.4	4.6	8.5	14.3	6.6	10.6
19	25.8	11.1	18.3	19.3	3.0	10.2	12.8	5.7	9.3
20	27.1	12.8	20.4	15.9	7.7	11.0	14.0	3.8	7.9
21	24.5	18.3	21.3	13.2	5.7	9.1	11.2	5.7	8.0
22	27.7	9.5	18.2	11.5	4.5	7.8	14.1	8.7	11.3
23	24.7	8.5	15.7	13.7	5.8	9.9	13.5	10.7	11.9
24	24.0	10.3	16.2	14.4	6.7	10.5	14.9	11.2	12.8
25	20.0	13.5	16.5	12.2	7.9	10.1	11.4	7.0	10.1
26	18.0	12.0	14.5	14.6	8.5	11.7	10.9	6.5	8.4
27	18.4	14.5	15.8	14.6	5.9	9.5	12.4	6.9	8.7
28	18.6	13.4	15.1	14.7	4.3	8.5	13.8	12.1	12.7
29	18.3	12.7	15.1	14.0	2.9	8.0	12.7	11.1	11.9
30	18.8	10.8	15.2	12.4	1.1	6.3	11.6	10.4	11.0
31	---	---	---	11.9	-1.7	5.0	---	---	---

**Table 20.** Daily values for air temperature, Tualatin River (Station 14206460) at Meriwether irrigation near Hillsboro, Oregon, May 1995 through November 1995

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	---	---	---	25.7	8.4	16.7	29.5	14.0	21.4	29.1	14.0	21.0
2	---	---	---	21.9	9.6	15.3	23.5	15.1	18.1	27.3	12.5	19.0
3	---	---	---	23.0	8.3	15.1	22.3	14.6	18.3	28.2	12.7	20.4
4	---	---	---	18.3	10.5	14.2	25.0	14.5	19.3	31.1	15.4	22.7
5	---	---	---	12.9	8.4	10.3	24.0	14.5	18.6	25.4	13.4	19.4
6	---	---	---	14.2	6.9	10.5	19.5	13.8	16.8	21.6	13.8	17.3
7	---	---	---	21.1	10.5	14.8	24.6	13.3	18.5	20.9	13.0	16.6
8	---	---	---	24.6	9.5	16.8	29.1	15.5	21.5	23.1	13.7	17.5
9	---	---	---	25.2	11.0	17.8	21.3	13.6	19.0	28.8	10.0	18.8
10	---	---	---	16.4	9.5	14.1	22.6	11.4	16.8	19.1	15.8	17.2
11	---	---	---	20.0	6.4	12.9	24.8	12.8	18.0	22.3	15.8	18.6
12	---	---	---	16.6	10.2	13.3	24.2	11.8	17.8	21.7	12.1	16.6
13	---	---	---	14.6	11.2	12.7	23.0	11.7	17.2	24.5	8.5	15.6
14	---	---	---	15.3	12.5	13.6	24.2	14.6	18.9	27.0	9.8	17.8
15	---	---	---	17.2	12.7	14.5	27.9	12.2	19.8	21.0	15.3	18.1
16	---	---	---	17.0	10.7	13.8	32.3	14.4	22.7	19.4	13.1	15.7
17	---	---	---	17.1	10.9	13.4	34.8	15.0	24.4	20.1	12.3	15.1
18	---	---	---	15.4	10.5	12.3	32.2	16.8	23.8	23.3	9.9	15.8
19	---	---	---	16.3	11.2	13.7	32.8	18.4	24.5	27.4	10.2	18.1
20	---	---	---	18.0	10.5	13.9	30.7	16.2	22.7	29.0	11.7	19.6
21	---	---	---	18.3	11.0	14.3	25.2	16.6	20.0	26.0	12.9	19.0
22	---	---	---	24.5	10.1	16.3	23.7	17.2	20.0	26.7	12.0	19.1
23	---	---	---	28.2	11.8	19.3	23.2	17.3	19.6	22.6	13.3	17.6
24	---	---	---	27.0	13.4	19.8	24.7	15.8	20.1	23.1	8.5	16.1
25	---	---	---	27.1	10.4	18.3	28.6	12.1	19.5	25.9	9.5	17.4
26	27.3	8.7	16.6	27.3	10.7	18.7	23.1	15.4	18.8	22.6	8.2	15.8
27	23.1	9.9	15.6	29.9	11.1	20.2	27.1	15.3	20.2	24.9	13.1	18.5
28	28.9	10.3	18.2	30.0	11.1	20.5	26.3	13.4	19.0	24.7	12.4	18.0
29	29.4	12.0	19.8	31.7	11.5	21.5	21.9	8.9	15.7	22.3	15.8	18.6
30	25.8	10.7	17.7	33.6	13.3	23.1	26.4	8.3	17.4	26.0	12.9	18.8
31	24.7	7.5	15.5	---	---	---	29.8	11.5	21.1	30.1	12.3	19.9



**Table 20.** Daily values for air temperature, Tualatin River (Station 14206460) at Meriwether irrigation near Hillsboro, Oregon, May 1995 through November 1995—Continued

DAY	SEPTEMBER 1995 TO NOVEMBER 1995								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	30.9	13.1	20.7	17.2	6.1	12.1	12.2	-.2	4.8
2	23.9	15.2	19.1	16.9	12.5	14.3	11.7	-4.1	2.3
3	21.0	16.5	18.8	15.9	10.0	13.8	14.1	-3.8	2.5
4	24.1	15.4	18.8	16.9	7.6	12.2	7.9	-2.2	2.8
5	22.1	16.2	18.2	19.3	4.4	11.5	10.3	4.5	7.2
6	19.3	13.4	16.7	16.7	8.5	12.1	10.6	5.5	8.3
7	21.4	16.2	18.1	17.1	6.9	11.4	14.2	10.6	12.8
8	26.0	13.3	18.5	15.1	9.0	11.7	15.0	6.7	12.5
9	28.5	12.9	19.5	16.5	9.7	12.5	9.6	5.9	7.1
10	28.5	13.4	19.6	16.0	12.9	14.1	12.5	3.7	7.7
11	26.5	11.7	17.7	13.4	9.0	11.7	---	---	---
12	28.1	10.7	18.1	14.0	5.9	9.6	---	---	---
13	29.3	11.2	18.7	16.0	4.3	8.9	---	---	---
14	31.7	12.9	20.0	19.3	5.0	11.0	---	---	---
15	25.3	13.1	18.4	19.7	7.4	12.1	---	---	---
16	19.8	14.4	17.2	17.9	11.3	14.4	---	---	---
17	20.5	15.4	17.6	13.3	6.8	11.7	---	---	---
18	23.1	10.0	15.7	13.9	4.1	7.7	---	---	---
19	26.5	10.3	17.6	18.1	1.2	8.6	---	---	---
20	27.3	12.1	18.9	15.7	7.0	10.3	---	---	---
21	24.0	12.8	18.4	12.3	5.0	8.6	---	---	---
22	27.2	6.4	15.7	11.3	4.8	7.5	---	---	---
23	24.0	5.3	13.7	13.6	5.8	9.6	---	---	---
24	23.4	8.6	14.8	13.7	6.3	10.2	---	---	---
25	19.8	13.3	16.0	13.1	7.9	10.2	---	---	---
26	17.5	11.9	14.5	14.6	9.3	11.9	---	---	---
27	17.8	14.0	15.7	14.8	5.5	9.1	---	---	---
28	17.5	13.0	14.7	15.0	3.4	7.7	---	---	---
29	18.0	12.6	14.7	14.2	1.2	6.7	---	---	---
30	18.4	9.1	14.6	11.8	-1.0	5.2	---	---	---
31	---	---	---	12.6	-3.9	2.9	---	---	---

**Table 21.** Daily values for air temperature, Tualatin River (Station 14206700) near Scholls, Oregon, May 1995 through November 1995

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	13.3	10.8	11.9	25.4	10.7	18.4	26.8	14.4	21.0	27.5	15.4	21.2
2	15.2	9.3	11.6	22.1	11.6	16.8	22.2	14.8	18.3	25.3	13.8	18.8
3	16.3	5.8	11.4	22.7	10.5	16.7	21.7	13.7	17.9	27.2	12.4	20.2
4	15.1	8.4	11.3	18.7	11.0	15.4	23.6	14.8	19.2	29.3	15.8	22.4
5	12.0	8.3	10.3	13.8	9.0	11.4	23.6	15.6	19.1	24.7	14.1	19.7
6	13.9	8.9	11.3	13.9	8.1	11.4	19.5	14.3	17.1	21.5	15.0	17.7
7	13.4	9.6	11.5	20.4	11.1	15.7	22.4	13.7	18.1	20.1	12.9	16.2
8	17.0	8.5	12.8	23.3	10.5	17.5	26.4	15.7	20.8	22.0	13.7	17.3
9	13.3	10.4	11.7	23.9	11.7	18.2	19.7	13.8	17.6	26.4	11.3	18.6
10	13.7	8.1	10.6	17.4	10.1	14.5	20.2	10.8	16.2	19.1	14.2	16.2
11	12.8	6.8	9.8	19.4	7.8	13.8	22.1	13.0	17.5	21.0	14.2	17.2
12	13.8	6.8	9.9	18.5	11.9	14.6	22.5	12.1	17.4	20.4	12.3	16.2
13	18.9	5.7	12.7	14.8	12.4	13.4	21.2	11.7	16.7	22.3	9.1	15.4
14	23.1	7.6	16.1	15.2	12.0	13.4	21.9	15.7	18.5	24.4	10.1	17.3
15	21.5	9.2	15.5	16.8	12.1	14.1	25.7	12.9	19.2	19.2	14.8	17.0
16	16.6	11.3	13.7	16.8	11.6	14.1	29.6	15.2	22.3	17.8	11.9	14.6
17	13.4	10.2	11.6	17.7	11.8	14.3	31.9	15.7	23.7	17.7	11.1	13.9
18	16.0	9.1	12.1	14.5	11.4	12.6	28.4	16.8	22.6	20.4	10.0	14.7
19	21.6	6.6	14.1	15.3	11.2	13.0	29.3	17.6	23.0	24.3	10.2	17.0
20	21.9	7.9	15.6	16.0	11.4	13.6	28.3	15.9	22.2	26.1	11.8	18.5
21	21.6	8.5	16.1	17.2	11.9	14.3	25.1	15.7	19.7	24.2	12.4	18.2
22	23.5	10.8	16.9	22.1	10.9	16.3	22.0	17.4	19.5	24.4	11.9	18.2
23	22.0	9.0	15.9	26.1	12.4	18.9	21.6	17.5	19.4	21.0	13.0	16.5
24	24.1	8.6	16.2	24.4	14.1	19.8	23.7	16.7	19.8	21.9	9.4	15.7
25	25.2	11.0	18.3	25.4	11.9	19.0	25.8	13.6	19.5	23.0	9.8	16.6
26	23.9	9.8	17.3	25.4	11.9	19.1	21.6	15.2	18.4	21.6	8.4	15.4
27	21.6	10.6	15.7	27.6	12.7	20.7	25.5	15.6	20.0	23.2	12.3	17.6
28	26.4	11.4	18.7	28.0	12.8	21.1	25.3	13.8	19.1	22.3	12.3	16.9
29	26.8	13.0	20.3	29.3	13.6	21.7	21.2	9.9	16.1	19.3	13.9	16.3
30	24.3	12.3	18.8	30.1	15.1	22.7	25.6	9.5	17.8	22.8	12.2	17.2
31	23.6	10.9	17.5	---	---	---	28.6	13.2	21.3	26.3	11.7	18.4

**Table 21.** Daily values for air temperature, Tualatin River (Station 14206700) near Scholls, Oregon, May 1995 through November 1995—Continued

DAY	SEPTEMBER 1995 TO NOVEMBER 1995								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	26.6	12.5	19.3	18.4	7.4	12.4	---	---	---
2	21.5	14.0	17.3	16.6	12.6	14.3	---	---	---
3	19.0	15.8	17.0	16.1	10.7	13.7	---	---	---
4	21.9	14.2	17.3	17.1	9.1	12.5	---	---	---
5	20.4	14.8	17.1	21.4	6.6	12.2	---	---	---
6	17.5	13.2	15.3	17.1	9.4	12.3	---	---	---
7	18.5	14.5	16.2	17.7	8.6	11.9	---	---	---
8	23.4	13.0	17.5	14.8	9.4	11.9	---	---	---
9	25.2	12.8	18.7	18.0	10.4	12.7	---	---	---
10	25.7	13.1	19.0	16.3	11.7	13.7	---	---	---
11	23.5	12.4	17.6	14.1	9.6	11.5	---	---	---
12	25.2	11.4	17.9	13.1	7.1	9.7	---	---	---
13	25.8	11.5	18.4	15.7	5.1	9.3	---	---	---
14	27.8	13.3	19.7	17.6	6.7	11.2	---	---	---
15	23.1	13.6	18.0	17.6	7.5	11.8	---	---	---
16	19.2	14.2	16.7	17.5	11.4	13.5	---	---	---
17	19.5	15.3	17.2	13.2	7.4	11.7	---	---	---
18	21.3	11.1	15.8	13.1	3.7	7.9	---	---	---
19	23.9	11.2	17.3	19.1	3.3	9.0	---	---	---
20	25.6	13.8	19.3	15.4	7.2	10.0	---	---	---
21	24.8	11.7	17.8	13.2	5.7	8.3	---	---	---
22	27.1	8.2	16.0	11.0	4.8	7.4	---	---	---
23	23.4	7.8	14.9	12.9	6.0	9.4	---	---	---
24	22.1	10.2	15.7	12.7	7.5	10.1	---	---	---
25	19.6	14.3	16.1	11.9	8.0	9.9	---	---	---
26	18.6	13.6	15.2	14.4	8.5	11.1	---	---	---
27	17.6	14.4	15.3	14.8	5.9	9.1	---	---	---
28	16.7	12.6	14.1	16.9	4.6	8.0	---	---	---
29	16.8	12.7	14.3	13.0	3.2	6.9	---	---	---
30	19.7	9.4	14.5	11.5	1.1	5.8	---	---	---
31	---	---	---	12.7	-1.2	3.9	---	---	---

**Table 22.** Daily values for air temperature, Durham wastewater-treatment plant (Station 452359122454500) at Durham, Oregon, May 1994 through November 1994

[Values in degrees Celsius. "MAX" = daily maximum; "MIN" = daily minimum; "---" = data missing or not analyzed]

MAY 1994 TO AUGUST 1994												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	20.7	2.1	12.3	25.2	7.5	15.7	21.3	10.9	16.8	33.3	11.3	23.9
2	17.8	7.5	11.3	26.7	6.6	16.6	26.4	10.7	18.0	33.5	13.0	24.7
3	18.3	6.2	12.0	27.5	5.9	16.9	25.4	9.5	17.6	32.2	15.2	23.6
4	24.7	12.5	16.6	23.2	12.1	16.6	24.9	7.6	15.3	30.0	13.9	21.0
5	28.3	7.7	19.1	20.7	9.5	14.6	25.6	10.8	17.1	28.3	12.3	20.3
6	32.0	8.6	21.8	17.4	9.7	12.9	28.2	8.3	19.5	31.2	10.1	21.6
7	33.9	10.4	22.2	21.6	8.5	13.6	34.2	14.2	25.1	28.4	12.0	18.8
8	26.2	8.7	17.6	25.6	6.2	16.8	32.7	11.2	22.6	23.9	10.9	16.8
9	29.2	9.2	19.2	31.5	9.4	20.6	31.6	8.0	21.7	31.6	12.3	21.5
10	32.7	7.5	20.8	32.5	10.7	22.8	32.0	6.9	21.6	34.4	10.9	23.6
11	27.0	12.4	18.5	32.3	12.4	21.5	32.6	7.8	22.6	30.9	12.2	21.1
12	24.8	7.7	16.7	26.4	13.4	18.2	33.3	8.7	22.4	31.3	13.0	22.3
13	24.7	5.0	15.2	16.8	10.2	13.5	32.1	10.1	22.2	32.3	13.0	23.5
14	25.2	7.1	15.0	20.7	8.5	13.0	27.8	9.8	19.5	30.6	12.6	21.1
15	20.6	10.2	13.3	25.8	8.5	15.1	28.4	14.0	20.1	30.8	11.3	21.6
16	18.1	9.2	12.7	27.0	10.1	17.1	33.5	13.7	23.9	31.0	11.3	21.6
17	20.1	8.2	12.9	25.2	7.7	15.0	33.9	11.8	23.8	29.4	12.9	22.0
18	22.7	9.2	15.3	24.0	9.9	16.0	30.1	13.0	23.2	30.3	11.3	21.5
19	22.5	9.0	14.4	29.5	6.0	19.8	38.3	14.0	27.4	29.5	14.4	21.4
20	19.7	11.4	14.3	32.9	10.4	23.1	41.1	16.5	30.1	29.1	14.4	20.6
21	23.3	11.3	16.4	30.4	10.4	21.7	40.3	18.1	30.1	26.6	13.3	18.6
22	28.7	10.7	19.1	30.0	10.5	20.5	40.9	19.6	28.8	28.1	12.3	19.1
23	29.7	8.5	20.5	23.4	10.1	16.8	36.7	17.4	27.5	27.7	10.5	19.4
24	32.1	10.1	21.8	27.4	7.6	18.5	29.0	14.3	21.1	29.0	9.3	19.3
25	25.9	11.1	18.5	27.6	8.6	17.4	30.7	13.0	22.0	28.2	9.9	19.1
26	22.5	7.7	14.6	25.8	11.6	17.8	32.7	11.5	23.4	28.7	11.2	20.9
27	23.8	3.7	14.1	30.8	9.5	21.7	34.7	12.8	25.4	34.9	10.6	23.2
28	14.8	8.9	11.9	31.6	10.3	22.4	32.7	13.0	23.2	29.0	14.5	20.7
29	19.2	9.7	13.8	26.7	9.5	19.1	28.8	11.5	19.9	27.6	13.3	20.6
30	26.3	6.3	18.3	29.5	8.3	19.1	28.8	11.1	21.1	30.8	9.8	20.8
31	22.4	10.3	15.1	---	---	---	32.8	9.1	22.4	29.4	11.1	20.2

**Table 22.** Daily values for air temperature, Durham wastewater-treatment plant (Station 452359122454500) at Durham, Oregon, May 1994 through November 1994—Continued

SEPTEMBER 1994 TO NOVEMBER 1994									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	26.7	8.5	17.8	25.9	11.3	19.1	8.8	3.4	5.3
2	27.4	6.4	16.4	20.8	3.6	12.5	9.9	.1	4.1
3	22.2	12.6	16.9	21.9	3.0	14.0	7.8	.3	3.4
4	25.0	11.1	18.5	22.9	7.4	16.8	8.4	2.1	5.3
5	32.2	9.5	21.2	23.1	2.9	13.5	11.5	.5	4.7
6	31.4	10.5	21.5	22.3	9.5	15.1	10.3	.5	4.6
7	29.1	10.1	19.5	22.5	5.8	12.8	11.3	2.7	6.4
8	19.0	12.9	15.7	26.7	4.7	14.2	8.8	-.4	4.6
9	21.9	11.9	15.3	23.5	7.0	14.1	12.3	.4	7.5
10	20.2	10.5	14.3	18.0	7.0	11.8	8.6	.4	4.8
11	22.2	10.1	15.1	19.0	2.2	9.8	5.9	3.9	5.0
12	24.0	6.2	14.7	19.2	4.2	10.3	12.4	2.4	5.5
13	26.4	6.6	17.4	17.5	1.0	9.2	10.3	3.4	6.8
14	26.1	13.5	18.8	14.7	5.6	10.1	11.4	2.0	6.2
15	28.0	11.1	19.9	16.5	4.5	9.3	10.3	5.6	7.0
16	33.2	12.1	23.0	16.7	.6	7.6	7.5	1.6	4.6
17	31.5	14.0	22.3	15.2	2.5	8.0	6.7	-2.3	2.2
18	28.4	12.1	20.4	17.3	.8	7.2	2.7	-3.6	-.3
19	29.0	10.6	20.4	17.8	3.4	10.2	6.8	.2	3.5
20	29.1	14.6	22.2	17.0	9.3	12.5	10.0	-2.4	2.2
21	33.6	12.7	23.9	18.9	7.1	12.1	3.9	-2.2	.2
22	35.3	11.7	24.8	17.3	3.4	8.9	3.9	-2.3	.0
23	31.7	9.9	20.6	19.3	5.7	12.0	6.3	.7	4.9
24	26.5	10.8	17.5	20.8	3.0	10.0	9.0	4.6	6.8
25	29.4	10.2	18.6	18.7	3.1	10.7	7.6	1.6	4.1
26	28.2	10.4	19.2	15.6	12.1	14.2	5.7	1.4	3.5
27	30.8	9.6	20.3	12.8	8.1	11.3	7.7	2.9	4.6
28	23.2	13.8	18.0	14.9	5.3	9.8	9.2	2.4	5.3
29	19.1	14.9	16.6	13.3	3.1	6.8	11.2	5.0	8.4
30	25.1	14.0	18.0	14.5	6.1	9.0	12.2	8.5	10.4
31	---	---	---	12.1	5.6	9.6	---	---	---

**Table 23.** Daily values for wind speed, Scoggins Creek (Station 14202980) near Gaston, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[Values in miles per hour. "MAX" = daily maximum of half-hourly mean values; "MIN" = daily minimum of half-hourly mean values; "MEAN" = daily mean of half-hourly mean values; "---" = data missing or not analyzed]

DAY	MAY 1994 TO AUGUST 1994											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	8.0	1.2	4.0	6.5	1.3	3.7	---	---	---	6.4	.6	3.0
2	4.9	1.3	2.9	7.6	1.0	3.2	---	---	---	6.7	.7	3.3
3	5.0	1.2	2.5	9.0	1.1	3.8	---	---	---	8.6	.6	3.8
4	6.5	3.0	4.5	6.9	1.8	4.3	---	---	---	7.6	.9	3.6
5	8.6	1.4	5.1	6.0	1.0	3.1	---	---	---	7.9	1.2	3.6
6	---	---	---	9.3	1.3	4.1	---	---	---	7.2	1.1	3.7
7	---	---	---	7.1	1.8	4.2	---	---	---	8.4	.9	3.5
8	---	---	---	5.8	1.0	3.3	---	---	---	10	.2	3.9
9	5.7	1.1	2.8	6.3	1.1	3.9	---	---	---	6.4	1.0	3.5
10	6.2	1.2	3.3	7.2	1.0	3.5	---	---	---	6.7	1.0	3.4
11	8.3	1.2	3.8	7.7	1.0	3.8	---	---	---	8.0	.6	3.3
12	11	1.1	4.2	9.2	1.0	4.6	9.4	1.0	3.7	6.1	.6	2.7
13	6.0	1.1	3.2	10	1.9	5.0	9.5	1.0	4.0	6.3	.6	3.2
14	6.6	1.1	3.2	9.8	1.8	5.0	9.3	1.0	4.7	8.1	.6	3.2
15	9.0	1.4	4.1	9.6	1.1	4.0	11	1.0	4.3	7.2	1.1	3.3
16	9.2	1.2	5.3	10	1.0	4.2	9.8	.9	5.2	7.9	1.3	3.9
17	9.3	1.2	3.3	6.1	1.0	2.9	7.5	.6	3.7	8.2	1.0	3.9
18	6.3	1.6	3.5	7.1	1.2	3.5	9.2	.6	4.6	8.8	.7	3.9
19	10	1.0	4.1	6.7	1.0	3.5	7.8	2.3	5.1	7.0	1.0	3.8
20	7.0	1.1	3.6	---	---	---	5.4	.6	3.0	7.9	1.1	3.5
21	6.8	1.6	3.3	---	---	---	9.2	.6	3.7	8.3	.6	3.5
22	7.8	1.2	3.5	---	---	---	9.8	1.2	4.6	9.0	.6	3.4
23	6.9	1.0	3.3	---	---	---	8.5	1.1	4.5	9.3	.7	4.8
24	7.7	1.0	3.4	---	---	---	9.7	.7	4.2	9.0	1.0	3.7
25	8.5	1.3	4.2	---	---	---	6.7	1.3	3.7	8.5	1.0	4.0
26	13	1.7	5.7	---	---	---	7.3	.6	3.7	8.2	1.0	3.9
27	5.8	1.0	2.9	---	---	---	7.0	.7	3.5	6.9	1.0	3.4
28	10	1.1	5.4	---	---	---	7.5	.6	3.2	8.3	1.0	3.6
29	9.0	1.3	4.6	---	---	---	8.8	.6	3.6	11	1.1	3.9
30	6.5	1.4	4.2	---	---	---	9.1	.6	4.1	9.9	1.0	3.9
31	8.1	1.3	3.8	---	---	---	7.6	.6	3.7	16	1.0	5.4

**Table 23.** Daily values for wind speed, Scoggins Creek (Station 14202980) near Gaston, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1994 TO NOVEMBER 1994									
	SEPTEMBER			OCTOBER			NOVEMBER		
1	7.1	1.0	3.3	7.2	1.1	3.3	6.1	1.2	3.0
2	8.4	1.1	4.3	12	1.0	4.6	6.5	1.2	3.6
3	11	2.2	6.3	9.7	1.0	4.5	8.2	1.0	3.0
4	9.3	1.0	4.4	9.5	2.2	5.0	11	1.2	4.9
5	7.8	1.0	3.3	11	1.0	3.7	6.1	1.1	2.3
6	7.5	1.0	3.1	5.9	1.0	2.8	6.0	1.2	2.8
7	9.3	1.0	4.1	5.8	1.0	2.4	4.8	1.1	2.8
8	8.5	1.0	4.2	6.9	1.0	2.5	10	1.0	4.9
9	7.0	1.5	3.8	8.4	1.0	2.6	8.8	1.0	5.2
10	7.1	1.0	3.0	6.1	1.0	2.6	7.6	1.0	3.1
11	8.2	1.0	4.2	5.4	1.0	3.0	7.0	1.0	2.9
12	9.0	1.0	4.1	9.6	1.0	3.1	6.6	1.0	3.0
13	7.0	1.0	2.9	8.7	1.0	3.1	6.0	1.0	1.9
14	8.0	1.3	4.2	13	1.5	4.7	7.1	1.0	3.2
15	6.7	1.0	2.4	7.3	1.0	3.3	5.9	1.0	3.0
16	6.7	1.0	2.1	7.8	1.0	2.9	13	1.7	4.6
17	2.6	1.0	1.4	6.2	1.0	3.0	9.4	1.0	3.8
18	9.6	1.0	3.6	7.0	1.0	2.8	6.1	1.0	2.7
19	11	1.0	3.9	3.0	1.0	1.4	9.8	1.0	5.7
20	12	1.0	6.5	9.1	1.0	4.8	8.6	1.0	3.3
21	9.5	1.0	4.3	9.1	1.3	4.5	6.0	1.0	2.3
22	6.2	1.0	3.9	6.9	1.3	3.3	4.9	1.0	2.4
23	6.5	1.0	2.8	5.8	1.1	3.0	4.6	1.0	2.5
24	5.6	1.0	2.5	6.4	1.0	2.7	7.7	1.0	2.8
25	9.8	1.0	3.0	9.6	1.0	3.8	7.4	1.0	3.9
26	10	1.0	3.5	13	1.4	7.5	10	1.0	4.7
27	8.8	1.0	3.6	6.0	1.0	2.9	9.8	1.0	4.0
28	10	1.2	3.8	8.3	1.5	4.4	8.1	1.0	2.7
29	6.9	1.0	3.1	8.8	1.3	4.2	11	5.5	8.5
30	5.0	1.0	2.2	9.7	1.0	3.4	13	1.3	8.0
31	---	---	---	13	1.2	6.4	---	---	---

**Table 23.** Daily values for wind speed, Scoggins Creek (Station 14202980) near Gaston, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	4.8	1.3	2.9	9.7	1.0	4.4	7.8	1.0	3.2	11	1.0	4.4
2	9.5	1.0	4.6	7.4	1.0	3.5	12	1.0	4.7	8.1	1.0	3.9
3	8.0	1.1	3.7	6.3	1.0	3.0	9.3	1.0	4.5	9.8	1.0	4.6
4	4.0	1.0	2.2	8.0	1.0	3.8	7.4	1.0	3.4	14	1.2	7.2
5	9.8	1.0	2.6	9.8	1.1	4.3	5.5	1.0	2.4	6.8	1.0	3.5
6	8.8	1.0	3.2	10	1.2	4.8	6.5	1.0	2.2	10	1.0	3.9
7	5.8	1.0	2.3	10	1.0	3.9	7.0	1.0	2.8	12	1.1	4.8
8	6.8	1.0	3.0	9.2	1.0	3.5	9.8	1.0	3.7	6.2	1.1	3.5
9	4.2	1.1	2.1	6.9	1.1	3.3	7.5	1.1	3.5	6.4	1.0	3.8
10	7.5	1.0	3.0	7.2	1.2	3.2	8.8	1.2	3.6	8.5	1.5	3.2
11	9.9	1.4	5.1	7.8	1.0	4.1	10	1.1	3.6	7.0	1.0	3.6
12	10	1.2	4.0	8.5	1.0	3.6	11	1.0	4.0	9.5	1.0	3.8
13	9.2	1.4	5.8	6.6	1.0	3.1	6.6	1.1	3.0	7.5	1.0	3.5
14	11	1.0	3.6	6.6	1.0	2.6	10	1.0	3.9	12	1.0	5.0
15	9.5	1.1	3.8	7.8	1.1	2.5	12	1.0	5.3	7.5	1.1	4.2
16	7.5	1.1	4.5	9.0	1.0	2.8	11	1.5	6.5	8.9	1.0	3.6
17	9.3	1.1	3.5	12	1.2	5.1	8.7	1.0	4.5	9.7	1.1	4.0
18	8.7	1.2	4.3	9.3	1.0	4.0	7.3	1.0	3.1	7.5	1.0	3.7
19	6.2	1.0	3.2	9.7	1.0	3.5	7.4	1.0	3.6	7.3	1.0	3.5
20	5.5	1.0	2.5	9.8	1.0	4.6	10	1.0	4.3	5.5	1.0	2.7
21	8.4	1.0	3.2	5.3	1.0	2.8	11	1.0	4.4	8.1	1.0	3.2
22	12	1.0	3.6	5.4	1.0	3.0	7.6	1.3	3.4	7.6	1.0	3.1
23	9.5	1.0	3.2	7.7	1.0	3.4	5.9	1.0	2.7	14	1.0	3.9
24	9.4	1.0	3.9	7.6	1.0	3.5	7.1	1.0	3.5	12	1.0	4.4
25	11	1.0	4.0	11	1.0	4.7	8.4	1.0	3.8	10	1.0	3.7
26	6.0	1.0	2.9	9.6	1.0	4.8	8.5	2.5	5.8	8.0	1.0	3.4
27	4.9	1.0	2.7	11	1.2	5.4	6.4	1.0	3.4	10	1.0	3.2
28	5.5	1.0	2.8	11	1.0	4.8	14	1.0	4.9	11	1.0	3.6
29	9.5	1.0	3.0	8.4	1.6	4.9	13	1.0	5.8	8.0	1.0	3.4
30	9.0	1.0	3.2	9.0	1.0	3.5	10	1.0	5.2	6.4	1.0	3.1
31	8.6	1.0	3.3	---	---	---	12	1.6	8.3	6.1	1.0	2.9



**Table 23.** Daily values for wind speed, Scoggins Creek (Station 14202980) near Gaston, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	SEPTEMBER 1995 TO NOVEMBER 1995								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	7.2	1.0	2.7	6.0	1.1	3.2	8.4	1.7	4.0
2	5.3	1.0	2.2	5.1	1.1	2.4	7.5	1.0	3.5
3	8.2	1.0	2.6	13	1.2	4.6	5.8	1.0	2.4
4	8.7	1.0	3.5	6.0	1.3	2.8	5.1	1.0	2.1
5	8.4	1.0	3.6	6.9	1.0	3.5	5.4	1.0	2.3
6	4.8	1.0	2.3	7.6	1.0	2.6	9.0	1.0	2.6
7	5.9	1.0	2.4	4.8	1.0	2.3	11	5.6	8.4
8	6.0	1.0	3.1	7.2	1.1	2.6	12	1.1	6.0
9	8.1	1.0	3.4	8.0	1.0	2.7	5.2	1.1	2.2
10	5.8	1.0	2.6	12	1.1	5.4	11	1.0	4.4
11	8.0	1.0	3.1	7.5	1.1	3.8	9.0	1.1	3.7
12	7.6	1.0	3.2	6.1	1.1	2.7	3.2	1.0	1.4
13	5.6	1.0	2.5	5.8	1.1	3.0	4.6	1.0	2.3
14	5.8	1.0	2.4	4.9	1.0	2.1	4.2	1.0	1.8
15	6.4	1.0	2.9	9.6	1.0	2.9	6.9	1.3	3.8
16	4.5	1.0	1.9	8.4	1.3	4.4	4.3	1.0	2.0
17	5.7	1.0	2.6	7.6	1.1	3.9	12	1.0	3.5
18	6.5	1.0	2.8	6.6	1.2	3.4	6.7	1.2	2.6
19	8.2	1.0	4.2	8.5	1.1	3.6	7.4	1.1	2.9
20	10	1.0	5.0	7.7	1.0	2.7	5.1	1.6	3.5
21	9.7	2.0	4.9	7.4	1.1	2.9	4.7	1.0	1.6
22	7.0	1.1	4.0	3.8	1.0	2.0	4.9	1.0	2.0
23	5.4	1.0	2.4	5.1	1.0	2.4	4.7	1.0	2.1
24	12	1.0	3.4	5.2	1.1	2.9	9.0	2.4	6.0
25	6.0	1.0	2.4	11	1.0	4.9	5.6	1.1	2.3
26	6.8	1.0	3.4	7.4	1.1	2.9	5.3	1.0	2.2
27	8.6	1.3	5.3	6.3	1.0	2.8	13	1.0	5.4
28	8.2	1.0	3.0	6.1	1.0	2.6	13	3.6	7.6
29	7.8	1.1	3.7	6.3	1.0	2.9	13	2.3	9.0
30	13	1.0	5.2	7.7	1.3	3.7	6.8	1.7	3.9
31	---	---	---	7.0	1.0	3.3	---	---	---

**Table 24.** Daily values for wind speed, Rock Creek wastewater-treatment plant (Station 452938122565500) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995  
 [Values in miles per hour. "MAX" = daily maximum of hourly mean values; "MIN" = daily minimum of hourly mean values; "MEAN" = daily mean of hourly mean values; "---" = data missing or not analyzed]

MAY 1994 TO AUGUST 1994												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	7.1	1.2	3.0	4.3	1.2	2.3	6.1	1.3	4.0	5.6	1.4	2.9
2	5.4	1.2	3.0	5.9	1.1	2.8	5.7	1.6	3.3	5.8	1.5	3.1
3	6.0	1.2	3.1	6.7	1.1	3.3	7.5	1.8	4.3	6.3	1.6	3.3
4	7.3	1.6	4.5	6.8	2.2	3.7	6.8	1.4	3.2	4.2	1.3	2.8
5	7.4	1.1	3.8	5.5	1.2	2.8	6.5	1.5	3.0	6.0	1.4	3.3
6	6.8	1.2	3.5	8.0	2.6	5.0	6.2	1.1	2.9	5.9	1.1	3.2
7	8.1	1.3	4.0	5.4	1.1	3.8	7.2	1.3	4.0	5.6	1.2	2.7
8	4.4	1.3	2.5	3.6	1.1	2.0	7.2	1.2	4.0	7.9	1.2	3.9
9	4.9	1.3	2.4	4.8	1.0	2.6	7.1	1.3	3.7	5.0	1.0	2.6
10	4.4	1.2	2.6	5.6	1.1	2.9	6.7	1.1	3.3	2.4	1.0	1.1
11	8.4	1.2	3.4	5.7	1.3	3.0	7.2	1.1	3.4	3.1	1.0	1.3
12	4.5	1.6	3.3	8.9	1.6	4.6	7.3	1.3	3.2	2.6	1.0	1.1
13	5.1	1.4	3.0	8.0	2.7	4.8	8.1	1.2	3.7	2.5	1.0	1.2
14	4.0	1.3	2.4	7.5	1.3	4.6	7.2	1.3	4.2	4.6	1.0	1.4
15	10	1.4	4.2	5.1	1.1	2.7	6.4	1.3	3.9	3.2	1.0	1.5
16	9.2	2.3	6.1	6.4	1.2	3.0	7.6	1.1	3.9	2.9	1.0	1.4
17	4.9	1.5	3.0	4.1	1.0	2.3	7.1	1.2	3.6	2.3	1.0	1.3
18	5.2	1.4	2.9	4.9	1.2	2.6	7.0	1.6	3.8	2.5	1.0	1.3
19	4.3	1.1	2.4	5.3	1.1	2.9	7.5	1.1	3.7	1.8	1.0	1.2
20	5.3	1.5	3.5	6.9	1.2	3.4	4.9	1.1	2.4	1.9	1.0	1.1
21	4.6	1.3	2.8	5.6	1.2	3.4	6.5	1.2	2.8	2.1	1.0	1.1
22	4.8	1.7	3.1	6.5	1.2	3.3	7.5	1.2	3.7	4.2	1.0	1.9
23	7.2	1.2	3.3	5.6	1.2	3.7	6.1	1.7	3.4	6.4	1.1	3.8
24	6.9	1.3	3.5	5.7	1.1	3.1	5.0	2.0	3.3	6.1	1.0	3.4
25	8.2	1.3	5.0	4.9	1.1	2.8	5.0	1.1	3.0	6.3	1.1	3.3
26	7.4	1.5	4.5	5.5	1.2	3.1	5.7	1.4	3.1	6.6	1.1	3.2
27	4.7	1.2	2.7	6.3	1.0	3.6	6.8	1.2	3.1	6.4	1.0	2.8
28	9.6	1.5	5.3	6.6	1.2	3.5	6.4	1.4	3.5	4.3	1.1	2.4
29	7.4	1.8	4.6	7.3	1.2	3.6	6.6	1.2	3.7	4.7	1.0	2.2
30	5.4	1.1	2.7	5.8	1.4	3.3	6.9	1.4	4.3	5.1	1.0	2.7
31	5.3	1.2	2.5	---	---	---	6.2	1.2	3.0	9.0	1.0	4.0

**Table 24.** Daily values for wind speed, Rock Creek wastewater-treatment plant (Station 452938122565500) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1994 TO NOVEMBER 1994									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	6.1	1.0	2.9	4.9	1.0	2.0	6.5	1.3	3.3
2	8.2	1.0	3.1	7.4	1.0	2.7	3.5	1.0	1.8
3	7.7	1.4	5.5	11	1.1	3.6	5.1	1.0	2.2
4	6.4	1.1	3.2	12	1.0	6.0	11	1.0	4.3
5	6.5	1.0	2.7	4.2	1.0	1.8	3.9	1.0	1.9
6	4.7	1.0	2.1	2.3	1.0	1.5	4.4	1.0	2.0
7	7.3	1.1	3.1	2.7	1.0	1.3	4.1	1.0	1.8
8	7.8	1.4	4.0	1.7	1.0	1.1	10	1.0	4.0
9	7.0	1.2	3.6	3.6	1.0	1.3	9.5	1.0	5.3
10	8.5	1.0	2.5	4.2	1.0	1.9	2.1	1.0	1.3
11	5.1	1.2	2.8	3.2	1.0	1.7	5.3	1.1	2.5
12	5.1	1.0	3.1	4.2	1.0	2.0	3.6	1.0	1.6
13	4.9	1.0	2.2	8.7	1.0	2.9	5.1	1.0	2.3
14	6.0	1.0	3.1	7.7	1.0	3.0	4.8	1.0	1.6
15	6.3	1.0	2.6	5.8	1.0	1.9	3.8	1.0	2.2
16	6.9	1.0	2.9	3.6	1.0	1.6	9.6	1.3	4.0
17	5.7	1.1	2.6	2.4	1.0	1.7	5.6	1.0	2.5
18	5.6	1.0	2.7	2.5	1.0	1.5	3.2	1.0	1.6
19	5.8	1.1	2.9	3.5	1.0	1.6	12	1.0	4.8
20	7.3	1.0	2.9	8.6	1.4	5.4	5.5	1.0	1.5
21	13	1.0	5.1	7.8	1.1	2.7	1.5	1.0	1.1
22	5.1	1.0	2.1	4.7	1.0	1.7	3.8	1.0	1.6
23	4.6	1.0	1.8	2.4	1.0	1.4	4.9	1.0	1.7
24	2.9	1.0	1.5	3.8	1.0	1.6	7.6	1.0	2.5
25	5.6	1.0	2.0	9.1	1.0	3.3	7.6	1.1	4.0
26	4.3	1.0	2.1	12	1.1	7.3	8.7	1.0	4.2
27	5.3	1.0	1.9	3.2	1.0	1.2	8.0	1.2	3.1
28	6.4	1.0	2.1	1.0	1.0	1.0	4.9	1.0	2.4
29	5.5	1.3	3.3	1.2	1.0	1.0	10	3.9	8.3
30	3.0	1.0	1.5	4.6	1.0	1.2	12	1.8	7.8
31	---	---	---	13	1.1	6.7	---	---	---

**Table 24.** Daily values for wind speed, Rock Creek wastewater-treatment plant (Station 452938122565500) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

MAY 1995 TO AUGUST 1995

DAY	MAX	MIN	MEAN	MAY 1995 TO AUGUST 1995								
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	4.1	1.1	2.2	8.6	1.1	3.9	4.7	1.2	2.6	6.9	1.0	3.3
2	7.0	1.2	4.2	7.0	1.1	3.7	5.3	1.3	2.9	6.0	1.0	3.0
3	6.0	1.0	2.7	5.6	1.1	2.8	5.4	1.1	2.5	6.6	1.0	3.3
4	5.7	1.0	2.3	6.9	1.3	3.0	5.1	1.1	2.8	8.8	1.1	4.2
5	4.7	1.1	2.1	6.3	1.3	2.8	5.2	1.4	2.5	5.7	1.1	3.2
6	3.5	1.1	2.0	7.9	1.1	3.6	4.4	1.2	2.1	8.6	1.1	3.6
7	2.9	1.0	1.7	12	1.1	4.4	4.1	1.2	2.4	8.6	1.4	3.4
8	5.1	1.0	2.2	5.7	1.1	2.9	5.8	1.3	3.0	5.0	1.0	2.4
9	5.5	1.1	1.8	5.5	1.1	3.0	5.8	1.2	2.6	5.1	1.0	2.8
10	7.7	1.1	3.7	6.9	1.2	3.4	5.5	1.1	2.7	3.6	1.2	2.0
11	7.7	1.3	4.2	6.2	1.0	2.8	5.3	1.1	2.9	5.3	1.1	2.6
12	6.5	1.1	2.9	8.6	1.1	4.3	6.7	1.2	3.2	6.6	1.1	3.4
13	6.4	1.1	3.2	5.9	1.1	2.7	4.3	1.1	2.1	5.4	1.0	2.4
14	6.1	1.0	2.9	5.7	1.0	1.9	5.9	1.1	3.1	5.9	1.0	2.4
15	5.3	1.1	3.1	4.6	1.0	2.4	7.0	1.1	3.8	5.0	1.2	2.7
16	5.3	2.2	4.2	4.8	1.3	3.0	7.5	1.0	3.4	6.9	1.1	3.3
17	6.6	2.8	4.7	10	1.8	4.7	8.3	1.0	3.6	6.9	1.1	3.3
18	5.9	1.2	3.0	9.0	1.2	4.3	5.6	1.1	2.4	4.5	1.0	1.9
19	6.1	1.1	3.0	7.0	1.0	2.5	5.8	1.1	2.6	6.9	1.0	2.8
20	5.7	1.0	3.0	4.5	1.1	2.4	5.3	1.2	2.7	3.5	1.0	1.8
21	6.2	1.0	2.8	3.8	1.0	2.0	5.0	1.2	2.9	5.6	1.0	2.4
22	9.1	1.1	3.3	5.9	1.0	2.4	4.0	1.5	2.7	6.0	1.1	2.7
23	7.3	1.1	3.5	4.9	1.0	2.6	4.6	1.4	2.3	6.8	1.1	2.8
24	10	1.2	3.3	6.3	1.1	3.1	6.6	1.1	2.9	6.2	1.0	2.7
25	7.6	1.0	3.3	7.5	1.1	3.4	6.4	1.1	2.8	5.8	1.0	2.7
26	4.4	1.1	2.4	6.0	1.1	3.1	9.0	1.6	5.3	5.2	1.0	2.3
27	4.9	1.1	2.8	7.9	1.1	3.8	7.1	1.2	3.2	6.2	1.1	2.5
28	6.1	1.1	2.6	14	1.1	6.6	9.2	1.0	3.5	6.8	1.0	2.6
29	6.2	1.1	3.4	12	1.1	5.6	9.5	1.0	4.0	6.7	1.1	2.9
30	6.6	1.1	3.6	6.9	1.1	3.2	6.8	1.0	3.3	4.0	1.0	2.2
31	6.4	1.0	3.2	---	---	---	7.2	1.0	3.9	5.2	1.0	2.1

**Table 24.** Daily values for wind speed, Rock Creek wastewater-treatment plant (Station 452938122565500) near Hillsboro, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1995 TO NOVEMBER 1995									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	3.8	1.0	1.9	3.4	1.0	1.5	---	---	---
2	4.3	1.0	1.9	4.3	1.0	2.0	---	---	---
3	3.1	1.0	1.8	10	1.0	3.4	---	---	---
4	6.3	1.0	2.5	5.3	1.0	1.9	---	---	---
5	6.3	1.1	2.5	8.2	1.0	2.2	---	---	---
6	3.4	1.0	1.5	5.7	1.0	1.9	---	---	---
7	3.7	1.1	1.7	4.4	1.0	1.7	---	---	---
8	6.2	1.0	2.5	3.6	1.0	1.9	---	---	---
9	7.1	1.0	2.8	6.5	1.0	2.4	---	---	---
10	5.3	1.0	2.0	9.2	1.1	5.1	---	---	---
11	5.6	1.0	2.1	6.1	1.7	3.7	---	---	---
12	6.0	1.0	2.3	---	---	---	---	---	---
13	3.1	1.0	1.6	---	---	---	---	---	---
14	4.7	1.0	1.8	---	---	---	---	---	---
15	5.2	1.0	2.1	---	---	---	---	---	---
16	3.0	1.1	1.7	---	---	---	---	---	---
17	3.3	1.1	1.8	---	---	---	---	---	---
18	4.3	1.0	2.0	---	---	---	---	---	---
19	5.1	1.0	2.5	---	---	---	---	---	---
20	14	1.0	6.4	---	---	---	---	---	---
21	15	5.2	9.5	---	---	---	---	---	---
22	8.3	1.1	3.1	---	---	---	---	---	---
23	3.4	1.0	1.6	---	---	---	---	---	---
24	5.3	1.0	2.3	---	---	---	---	---	---
25	4.3	1.0	2.1	---	---	---	---	---	---
26	7.0	1.1	3.6	---	---	---	---	---	---
27	9.2	1.5	5.6	---	---	---	---	---	---
28	6.1	1.1	3.2	---	---	---	---	---	---
29	7.0	1.7	4.0	---	---	---	---	---	---
30	8.2	1.1	4.5	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---

**Table 25.** Daily values for wind speed, Durham wastewater-treatment plant (Station 452359122454500) at Durham, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[Values in miles per hour. "MAX" = daily maximum of hourly mean values; "MIN" = daily minimum of hourly mean values; "MEAN" = daily mean of hourly mean values; "---" = data missing or not analyzed]

MAY 1994 TO AUGUST 1994												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	8.9	.0	3.3	4.9	.1	2.0	8.8	1.0	4.9	4.0	.0	1.9
2	6.3	.2	2.9	11	.0	3.4	4.9	.5	2.5	4.7	.1	1.8
3	2.4	.2	1.3	9.0	.0	4.1	6.3	.1	2.6	4.6	.4	2.3
4	7.0	.3	4.0	9.8	.3	4.5	4.7	.0	2.0	10	.2	3.0
5	8.3	.1	4.0	7.2	.2	3.2	6.9	.2	3.1	4.4	.1	2.4
6	8.1	.2	3.6	18	1.5	9.5	6.8	.0	2.7	4.5	.1	2.1
7	10	.2	3.7	10	.2	4.9	7.9	.2	3.9	4.9	.1	2.1
8	9.2	.4	3.1	3.5	.1	1.3	6.4	.0	3.4	13	.1	6.0
9	3.8	.0	1.4	4.4	.0	1.7	5.9	.0	2.4	4.4	.2	2.0
10	5.8	.2	1.9	5.0	.0	2.0	6.4	.0	2.1	7.7	.1	2.5
11	6.1	.3	2.8	7.6	.1	2.3	5.8	.1	2.3	5.3	.1	1.8
12	11	.4	3.3	11	.9	6.5	5.2	.1	2.3	3.5	.0	1.7
13	4.4	.0	2.3	13	6.1	9.7	5.9	.1	2.5	4.0	.0	1.8
14	5.8	.1	1.6	11	1.3	7.8	5.5	.1	2.7	5.1	.0	2.4
15	17	.4	7.9	7.5	.4	3.2	7.2	.9	3.9	5.0	.1	2.2
16	14	1.4	8.4	4.5	.3	2.1	7.6	.0	3.7	5.0	.0	2.0
17	6.5	.4	2.8	8.5	.0	2.8	6.9	.0	2.4	4.4	.1	2.2
18	3.3	.1	1.3	6.5	.2	3.6	7.7	.1	3.2	5.6	.0	2.2
19	11	.1	3.4	4.2	.0	2.1	7.4	.0	3.3	4.0	.1	2.1
20	11	.3	5.9	6.1	.0	2.4	4.0	.0	1.8	3.9	.2	1.8
21	4.7	.2	1.7	4.4	.1	2.4	5.9	.0	2.1	6.3	.4	2.8
22	4.0	.1	2.1	12	.4	4.2	14	.2	4.2	5.1	.1	2.3
23	4.9	.0	1.9	9.9	1.0	6.3	9.0	.9	2.8	5.6	.0	2.6
24	6.7	.0	2.2	5.5	.1	2.6	9.5	2.4	6.9	5.9	.0	1.9
25	5.5	.2	2.9	9.1	.0	3.3	5.4	.0	2.0	7.3	.0	2.1
26	5.8	.1	3.0	9.0	.4	4.4	4.5	.0	2.0	4.6	.0	1.8
27	4.6	.2	1.8	6.1	.2	3.5	5.0	.0	1.6	8.7	.0	2.8
28	14	.3	7.5	4.6	.0	2.5	5.0	.1	2.2	8.5	1.0	3.6
29	13	.8	7.8	5.7	.6	2.8	4.5	.0	2.2	5.3	.2	2.2
30	4.9	.2	2.6	4.6	.0	2.0	5.1	.0	2.5	5.2	.0	2.1
31	11	.4	4.3	---	---	---	4.2	.0	2.0	6.2	.0	2.4

**Table 25.** Daily values for wind speed, Durham wastewater-treatment plant (Station 452359122454500) at Durham, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

SEPTEMBER 1994 TO NOVEMBER 1994									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	3.9	.1	1.8	4.5	.0	1.6	8.6	3.1	5.7
2	14	.0	5.7	8.2	.0	2.5	5.3	.0	2.5
3	12	.3	7.8	9.2	.2	4.3	6.7	.1	2.7
4	5.4	.3	2.5	9.1	.6	5.2	15	.5	5.8
5	5.2	.0	2.4	6.8	.1	2.8	3.3	.3	1.4
6	4.3	.0	1.8	3.4	.0	1.5	8.9	.3	3.1
7	11	.1	3.9	2.8	.0	1.0	10	.2	3.4
8	7.7	.9	3.6	2.9	.0	.7	8.7	.1	3.0
9	15	.2	4.9	6.0	.0	2.0	14	.5	7.2
10	7.2	.0	2.5	3.2	.0	1.2	4.1	.4	1.6
11	6.1	.0	1.8	3.6	.1	1.0	7.0	.4	4.0
12	5.1	.0	1.7	2.7	.0	1.1	8.2	.1	2.2
13	4.6	.0	1.8	14	.0	3.9	9.6	.5	5.4
14	10	.1	4.8	14	.1	4.5	3.8	.2	1.6
15	6.0	.0	2.2	3.0	.0	.9	6.0	.8	2.9
16	7.0	.1	3.0	2.8	.0	.8	16	1.8	7.4
17	5.0	.1	1.9	2.8	.0	.8	6.5	.0	2.8
18	6.3	.0	2.4	2.6	.0	.7	7.2	.0	1.7
19	6.3	.0	3.1	5.0	.0	1.5	16	.5	6.8
20	7.1	.2	3.3	14	.3	8.7	6.3	.1	1.6
21	10	.1	4.0	13	.1	4.0	3.7	.1	1.4
22	5.8	.2	2.8	4.8	.0	1.2	6.3	.3	2.2
23	3.1	.0	1.0	2.7	.0	1.1	13	.1	3.5
24	2.4	.0	1.4	5.1	.0	1.1	10	.2	2.6
25	5.2	.0	1.5	13	.0	4.3	13	1.2	7.5
26	5.2	.2	2.4	21	.9	13	13	4.7	8.9
27	4.6	.1	1.6	6.7	.1	2.2	13	2.7	6.6
28	7.5	.4	3.0	8.3	.3	3.7	8.9	.7	4.2
29	7.8	2.8	5.0	7.5	.0	3.3	23	.7	14
30	3.7	.0	1.1	9.2	.2	5.5	21	7.6	14
31	---	---	---	24	1.5	11	---	---	---

**Table 25.** Daily values for wind speed, Durham wastewater-treatment plant (Station 452359122454500) at Durham, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	MAY 1995 TO AUGUST 1995											
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	MAY			JUNE			JULY			AUGUST		
1	---	---	---	6.2	.1	2.8	5.4	.6	2.4	5.7	.0	2.0
2	---	---	---	4.3	.2	2.0	7.2	.6	3.0	5.1	.3	2.2
3	---	---	---	5.8	.1	2.5	7.1	.2	3.2	6.2	.1	2.3
4	---	---	---	6.0	1.8	4.1	5.3	.2	1.9	7.7	.1	3.3
5	---	---	---	7.6	.8	4.0	3.5	.2	1.6	5.1	.0	2.2
6	---	---	---	5.8	.8	3.5	5.7	.2	1.6	13	.4	5.3
7	---	---	---	6.3	.4	2.8	3.4	.1	1.5	8.4	.9	4.6
8	---	---	---	6.3	.1	2.0	4.6	.7	2.2	4.7	.5	2.1
9	---	---	---	10	.2	3.6	8.6	.1	3.4	3.6	.1	2.0
10	---	---	---	8.1	.5	3.6	3.4	.0	1.6	6.8	.5	3.0
11	---	---	---	7.8	.1	3.2	3.7	.2	1.8	4.3	.4	1.9
12	6.4	.0	3.1	11	.8	5.9	6.0	.1	2.5	4.6	.1	1.9
13	6.1	.0	2.7	7.5	.1	3.0	2.6	.0	1.4	4.8	.0	1.7
14	5.7	.0	2.1	6.1	.0	1.9	5.4	.3	2.4	8.0	.0	2.8
15	15	.0	4.1	5.1	.1	2.0	7.2	.1	3.1	4.4	.6	2.1
16	9.0	2.4	6.0	5.4	.1	2.5	8.2	.0	3.5	8.9	.1	4.2
17	4.6	2.2	3.3	13	1.4	7.1	7.1	.1	3.2	9.6	.1	5.1
18	4.9	.0	2.2	10	1.2	6.8	6.6	.2	2.3	2.5	.1	1.2
19	4.3	.0	2.1	7.4	.3	2.8	11	.1	2.7	4.7	.0	1.8
20	4.0	.0	1.7	7.2	.3	3.2	6.1	.7	3.4	2.9	.1	1.0
21	4.1	.0	1.7	3.5	.1	1.6	6.2	1.0	2.9	6.6	.2	2.5
22	5.4	.1	2.0	3.8	.0	1.5	5.6	.3	2.8	4.1	.0	1.6
23	5.3	.0	2.1	3.9	.0	1.9	5.2	.3	2.0	3.9	.0	1.8
24	9.0	.0	2.4	4.4	.0	2.1	5.6	.6	2.1	5.9	.0	2.0
25	5.7	.2	2.5	6.6	.0	2.6	9.5	.0	3.0	10	.0	2.2
26	4.0	.2	1.8	6.6	.1	2.4	15	1.0	7.5	5.9	.1	2.6
27	5.1	.0	2.1	8.2	.2	3.7	4.9	.3	2.3	6.4	.0	1.7
28	4.7	.0	1.7	9.9	.2	4.7	6.2	.0	2.5	9.2	.2	2.8
29	4.6	.1	1.8	9.0	.6	4.8	6.7	.2	2.7	10	.2	3.4
30	5.1	.0	1.9	5.5	.2	2.4	7.3	.1	3.2	3.1	.0	1.3
31	4.8	.1	2.0	---	---	---	7.2	.3	3.3	4.1	.0	1.6



**Table 25.** Daily values for wind speed, Durham wastewater-treatment plant (Station 452359122454500) at Durham, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

DAY	SEPTEMBER 1995 TO NOVEMBER 1995								
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	SEPTEMBER			OCTOBER			NOVEMBER		
1	4.1	.0	1.5	2.9	.1	.9	9.0	2.2	6.4
2	4.1	.1	2.1	6.5	.2	3.6	6.1	.2	3.4
3	5.8	.3	2.4	7.7	.6	3.0	6.6	.0	2.7
4	7.8	.1	2.6	3.8	.1	1.5	8.9	.2	2.9
5	8.9	.2	4.0	5.0	.1	1.9	11	2.9	6.6
6	2.3	.1	1.0	5.4	.0	1.3	16	.1	3.8
7	4.7	.1	1.9	2.6	.0	.9	18	10	15
8	4.9	.3	2.2	5.7	.2	3.1	17	.7	10
9	5.3	.2	2.6	9.5	.2	3.4	6.9	.1	2.3
10	4.3	.1	1.3	15	.6	7.8	21	.1	6.4
11	4.1	.0	1.8	11	.5	5.1	19	2.2	8.5
12	4.6	.1	1.9	7.9	.0	3.8	8.3	.1	1.5
13	2.6	.0	1.0	2.7	.0	.9	9.2	.3	3.6
14	2.4	.0	.9	3.2	.0	.8	5.1	.1	1.3
15	6.3	.5	2.7	13	.0	3.5	11	.1	4.0
16	5.3	.7	2.8	12	.4	7.5	3.5	.0	1.0
17	3.4	.1	1.7	15	.0	5.1	17	.1	3.9
18	3.0	.0	1.1	6.3	.0	1.4	13	.0	4.6
19	5.8	.0	2.4	8.5	.2	3.5	7.3	.3	3.0
20	9.5	.3	4.6	8.4	.2	2.8	6.5	1.8	4.2
21	10	4.3	6.9	8.7	.2	2.5	5.9	.3	2.3
22	8.1	.8	4.8	2.3	.1	.8	3.0	.1	1.1
23	3.5	.0	1.2	6.4	.2	1.9	8.2	.5	2.6
24	6.8	.4	3.0	1.9	.0	.8	14	2.4	8.4
25	8.2	.3	3.4	21	.0	8.9	9.9	1.2	4.8
26	13	.3	4.3	14	.1	2.1	9.0	1.1	5.3
27	10	.8	6.8	2.9	.0	.9	17	2.7	10
28	8.9	.8	4.5	3.3	.0	1.3	20	11	15
29	11	.9	6.0	6.7	.0	3.0	21	3.5	16
30	10	.5	5.6	8.5	2.9	5.7	11	3.5	7.3
31	---	---	---	6.5	.1	3.2	---	---	---

**Table 26.** Daily mean values for incident solar radiation (280-2800 nanometer wavelength) at Scoggins Creek (Station 14202980) near Gaston, Oregon, May 1994 through November 1994

[The wavelength of measured radiation is 280 - 2,800 nanometers. Values are in cal/sq cm/d (calories per square centimeter per day). "JUN" = June; "JUL" = July; "AUG" = August; "SEP" = September; "OCT" = October; "NOV" = November; "MAX" = monthly maximum; "MIN" = monthly minimum; "---" = missing data or not applicable]

MAY 1994 TO NOVEMBER 1994							
DAY	MAY	JUN	JUL	AUG	SEP	OCT	NOV
1	435	523	---	631	449	259	107
2	243	511	---	570	355	390	116
3	188	452	---	541	294	379	47
4	416	423	---	318	469	376	42
5	624	281	---	414	497	305	72
6	---	294	---	559	455	350	108
7	---	525	---	213	455	351	84
8	---	511	---	304	208	328	54
9	593	589	---	597	263	216	131
10	602	666	---	592	189	132	157
11	525	522	---	554	444	247	26
12	467	344	698	554	452	238	169
13	397	382	696	563	377	172	47
14	373	387	692	314	241	216	133
15	378	463	654	508	457	188	47
16	278	456	687	445	449	292	87
17	285	409	651	522	425	75	109
18	398	493	678	442	448	304	111
19	381	719	685	323	441	209	35
20	224	---	681	318	425	103	160
21	389	---	631	293	439	273	79
22	675	---	607	246	436	237	73
23	673	---	632	496	413	232	61
24	668	---	274	551	387	261	33
25	368	---	606	509	393	140	59
26	490	---	652	551	412	30	54
27	462	---	636	523	408	44	106
28	217	---	638	335	176	233	81
29	423	---	356	347	123	212	49
30	703	---	630	529	118	73	10
31	270	---	635	511	---	19	---
MEAN	---	---	---	457	370	222	82
MAX	---	---	---	631	497	390	169
MIN	---	---	---	213	118	19	10

**Table 27.** Daily mean values for incident photosynthetically active radiation (400–700 nanometer wavelength) at Scoggins Creek (Station 14202980) near Gaston, Oregon, May 1995 through November 1995  
 [The wavelength of measured radiation is 400 to 700 nanometers. Values are in UE/SQ M/S (micro-einsteins per square meter per second). "JUN" = June; "JUL" = July; "AUG" = August; "SEP" = September; "OCT" = October; "NOV" = November; "MAX" = monthly maximum; "MIN" = monthly minimum; "---" = missing data or not applicable]

MAY 1995 TO NOVEMBER 1995							
DAY	MAY	JUN	JUL	AUG	SEP	OCT	NOV
1	134	640	591	593	461	294	213
2	449	593	463	563	325	107	202
3	358	594	385	589	114	232	202
4	180	306	583	595	325	214	48
5	137	424	413	501	259	253	63
6	260	264	217	145	153	225	34
7	199	593	390	429	158	203	40
8	345	606	577	447	427	119	56
9	158	593	229	560	441	111	--
10	210	200	502	201	421	64	--
11	431	585	586	396	433	130	--
12	478	300	512	347	441	149	--
13	601	247	415	488	425	270	--
14	602	225	358	449	422	290	--
15	613	240	641	316	368	185	--
16	242	293	636	258	94	169	--
17	234	354	633	332	132	40	--
18	436	298	538	468	375	274	--
19	625	384	575	542	399	268	--
20	586	353	615	538	393	167	--
21	591	302	471	510	335	180	--
22	544	548	345	508	386	125	--
23	605	616	271	285	379	156	--
24	620	644	402	489	272	196	--
25	614	658	602	490	200	34	--
26	609	650	302	396	89	120	--
27	489	657	617	416	130	187	--
28	626	621	582	366	186	230	--
29	627	624	397	259	167	214	--
30	625	623	605	465	270	141	--
31	643	---	606	471	---	225	---
MEAN	447	468	486	433	299	180	--
MAX	643	658	641	595	461	294	--
MIN	134	200	217	145	89	34	--

**Table 28.** Daily mean values for incident photosynthetically active radiation (400-700 nanometer wavelength) at Rock Creek wastewater-treatment plant (Station 452938122565500) near Hillsboro, Oregon, May 1994 through November 1994  
 [The wavelength of measured radiation is 400 to 700 nanometers. Values are in UE/SQ M/S (micro-einsteins per square meter per second). "JUN" = June; "JUL" = July; "AUG" = August; "SEP" = September; "OCT" = October; "NOV" = November; "MAX" = monthly maximum; "MIN" = monthly minimum; "---" = missing data or not applicable]

MAY 1994 TO NOVEMBER 1994							
DAY	MAY	JUN	JUL	AUG	SEP	OCT	NOV
1	402	446	238	565	428	204	90.5
2	225	431	429	475	342	331	103
3	207	403	494	482	229	321	38.2
4	410	384	202	245	427	315	25.7
5	569	227	391	493	435	263	101
6	578	279	532	507	413	307	81.8
7	593	322	614	231	412	242	114
8	520	406	619	212	197	275	39.5
9	528	520	617	530	205	174	66.9
10	579	596	615	520	203	117	80.2
11	443	447	610	459	251	270	11.7
12	424	312	621	468	358	244	92.1
13	453	312	617	504	326	155	55.3
14	371	295	626	337	197	142	99.7
15	334	393	487	471	379	215	31.8
16	359	445	603	494	378	232	73.9
17	325	306	587	489	359	86.0	66.9
18	349	391	604	438	381	242	37.8
19	268	601	604	353	377	191	11.1
20	173	617	588	285	379	84.8	118
21	438	608	549	277	375	172	36.5
22	600	585	530	292	368	185	87.7
23	596	330	545	417	348	199	29.1
24	615	610	245	490	273	216	28.6
25	442	372	529	463	336	139	42.5
26	438	387	580	492	359	25.0	48.5
27	453	637	572	440	351	26.5	55.9
28	223	629	569	316	160	196	74.8
29	388	540	328	345	107	85.1	30.6
30	602	560	574	474	127	91.8	---
31	231	---	569	459	---	9.91	---
MEAN	424	446	525	420	316	186	---
MAX	615	637	626	565	435	331	---
MIN	173	227	202	212	107	9.91	---

**Table 29.** Daily mean values for incident solar radiation (280-2800 nanometer wavelength) at Rock Creek wastewater-treatment plant (Station 452938122565500) near Hillsboro, Oregon, May 1995 through November 1995

[The wavelength of measured radiation is 280 - 2,800 nanometers. Values are in cal/sq cm/d (calories per square centimeter per day). "JUN" = June; "JUL" = July; "AUG" = August; "SEP" = September; "OCT" = October; "NOV" = November; "MAX" = monthly maximum; "MIN" = monthly minimum; "---" = missing data or not applicable]

MAY 1995 TO NOVEMBER 1995							
DAY	MAY	JUN	JUL	AUG	SEP	OCT	NOV
1	169	684	636	626	508	326	--
2	489	632	300	522	314	117	--
3	592	656	373	602	107	291	--
4	305	340	573	624	334	288	--
5	172	422	471	558	244	299	--
6	333	246	209	166	126	247	--
7	294	632	505	401	211	300	--
8	573	691	621	544	444	138	--
9	166	653	200	605	474	151	--
10	323	182	640	162	451	59.7	--
11	480	675	605	459	447	158	--
12	512	314	676	477	459	--	--
13	643	253	493	518	449	--	--
14	672	257	394	450	441	--	--
15	615	328	675	302	365	--	--
16	237	286	673	265	94.0	--	--
17	332	405	675	349	151	--	--
18	428	353	588	502	330	--	--
19	685	456	592	576	394	--	--
20	664	265	650	582	389	--	--
21	637	328	420	532	385	--	--
22	657	614	343	561	414	--	--
23	659	687	257	298	396	--	--
24	686	702	452	503	327	--	--
25	678	710	619	535	261	--	--
26	672	708	242	424	116	--	--
27	491	725	649	447	192	--	--
28	680	690	600	406	183	--	--
29	677	692	548	321	192	--	--
30	652	677	653	509	292	--	--
31	684	---	645	519	---	--	---
MEAN	512	509	515	463	316	--	--
MAX	686	725	676	626	508	--	--
MIN	166	182	200	162	94.0	--	--

**Table 30.** Daily mean values for incident photosynthetically active radiation (400-700 nanometer wavelength) at Durham wastewater-treatment plant (Station 452359122454500) at Durham, Oregon, May 1994 through November 1994 and May 1995 through November 1995

[The wavelength of measured radiation is 400 to 700 nanometers. Values are in UE/SQ M/S (micro-einsteins per square meter per second). "JUN" = June; "JUL" = July; "AUG" = August; "SEP" = September; "OCT" = October; "NOV" = November; "MAX" = monthly maximum; "MIN" = monthly minimum; "---" = missing data or not applicable]

MAY 1994 TO NOVEMBER 1994							
DAY	MAY	JUN	JUL	AUG	SEP	OCT	NOV
1	420	580	181	638	478	267	---
2	220	487	417	558	407	379	---
3	233	425	602	523	249	374	---
4	337	409	252	294	451	367	---
5	637	257	344	430	513	320	---
6	570	375	626	611	481	340	---
7	640	395	705	276	461	277	---
8	532	507	713	260	166	322	---
9	542	632	707	604	300	229	---
10	614	691	704	593	207	107	---
11	467	497	693	477	373	307	---
12	464	346	698	527	381	278	---
13	467	328	693	554	438	199	---
14	380	368	596	339	294	136	---
15	358	465	515	551	464	201	---
16	351	531	689	480	453	240	---
17	361	332	679	573	399	102	---
18	379	491	691	486	444	257	---
19	237	726	681	370	437	251	---
20	233	725	650	312	437	114	152
21	423	686	643	244	434	216	55.1
22	666	634	571	347	427	199	85.5
23	662	360	626	506	389	225	1.00
24	669	719	427	552	292	236	38.3
25	519	422	576	527	317	172	42.5
26	450	393	655	556	385	---	47.6
27	484	724	647	525	399	---	61.6
28	240	717	607	306	154	---	79.5
29	505	646	361	499	95.9	---	20.2
30	699	606	653	533	153	---	6.09
31	260	---	648	511	---	---	---
MEAN	452	516	589	470	363	---	---
MAX	699	726	713	638	513	---	---
MIN	220	257	181	244	95.9	---	---

**Table 30.** Daily mean values for incident photosynthetically active radiation (400–700 nanometer wavelength) at Durham wastewater-treatment plant (Station 452359122454500) at Durham, Oregon, May 1994 through November 1994 and May 1995 through November 1995—Continued

MAY 1995 TO NOVEMBER 1995							
DAY	MAY	JUN	JUL	AUG	SEP	OCT	NOV
1	---	694	654	643	513	286	229
2	---	628	360	529	250	86.1	220
3	---	659	348	632	105	225	204
4	---	338	496	659	345	252	61.1
5	---	473	547	597	261	273	66.7
6	---	194	257	213	161	212	45.8
7	---	713	508	383	182	254	47.2
8	---	694	637	519	403	89.8	23.0
9	---	659	171	623	473	144	78.3
10	---	192	587	161	467	27.7	10.1
11	---	708	526	412	436	83.3	2.06
12	---	351	644	414	420	197	37.0
13	---	238	501	508	454	264	67.9
14	---	259	417	530	449	291	156
15	---	276	633	314	333	239	44.1
16	---	225	700	235	112	185	89.1
17	---	335	693	393	128	20.1	76.7
18	470	324	609	513	359	230	146
19	684	343	584	582	420	275	95.7
20	669	153	685	589	413	145	130
21	648	260	524	583	392	167	64.4
22	642	618	386	570	435	149	33.3
23	667	694	294	290	418	166	17.1
24	673	720	472	526	346	130	96.5
25	636	738	673	543	221	32.8	29.3
26	680	726	294	511	178	115	80.9
27	548	729	663	482	125	188	13.5
28	695	687	578	439	127	222	38.9
29	697	690	514	290	149	217	20.0
30	676	658	672	503	236	147	18.4
31	699	---	670	534	---	231	---
MEAN	---	499	526	475	310	179	74.7
MAX	---	738	700	659	513	291	229
MIN	---	153	171	161	105	20.1	2.06

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# APPENDIX

Water-temperature cross-section measurements at selected sites

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Temperature cross section: Tualatin River at Gaston, Oregon (14202500)

Date: May 26, 1994

Time: 1350 Pacific Standard Time

[RB, right bank; LB, left bank; ---, no measurement]

Distance from right bank (feet)	Depth to bottom (feet)	Temperature depth (feet)	Temperature (degrees Celsius)	Temperature depth (feet)	Temperature (degrees Celsius)
RB 0	---	---	---	---	---
5	3.1	1	12.8	2	12.8
10	1.8	1	12.8	---	---
15	1.3	1	12.8	---	---
20	1.0	.5	12.8	---	---
25	.5	.25	12.8	---	---
30	1.8	1	12.8	---	---
35	1.4	1	12.8	---	---
LB 40	---	---	---	---	---

Temperature cross section: Tualatin River at Golf Course Road near Cornelius, Oregon (14204800)

Date: May 26, 1994

Time: 1445 Pacific Standard Time

Distance from right bank (feet)	Depth to bottom (feet)	Temperature depth (feet)	Temperature (degrees Celsius)	Temperature depth (feet)	Temperature (degrees Celsius)
RB 0	---	---	---	---	---
5	2.5	1	14.4	---	---
10	3.0	1	14.4	2	14.4
15	3.0	1	14.4	2	14.4
20	2.3	1	14.4	---	---
LB 25	---	---	---	---	---

Temperature cross section: Tualatin River near Dilley, Oregon (14203500)

Date: May 26, 1994

Time: 1415 Pacific Standard Time

Distance from right bank (feet)	Depth to bottom (feet)	Temperature depth (feet)	Temperature (degrees Celsius)	Temperature depth (feet)	Temperature (degrees Celsius)
RB 0	---	---	---	---	---
2.5	2.3	1	11.5	---	---
5	3.0	1	11.4	2	11.4
10	3.8	1	11.4	2	11.4
15	3.3	1	11.4	2	11.4
20	2.3	1	11.4	---	---
25	2.0	1	11.4	---	---
30	1.6	1	11.4	---	---
LB 36	---	---	---	---	---

Temperature cross section: Tualatin River at Rood Bridge at Hillsboro, Oregon (14206440)

Date: May 26, 1994

Time: 1020 Pacific Standard Time

Distance from right bank (feet)	Depth to bottom (feet)	Temperature depth (feet)	Temperature (degrees Celsius)	Temperature depth (feet)	Temperature (degrees Celsius)
RB 0	---	---	---	---	---
5	1.3	0.5	15.9	---	---
10	2.0	1	16.0	---	---
15	3.0	1	16.0	---	---
20	3.4	1	16.0	3	16.0
25	4.0	1	16.0	3	16.0
30	4.3	1	16.0	3	16.0
35	4.0	1	16.0	3	16.0
40	4.4	1	16.0	3	16.0
45	4.3	1	16.0	3	16.0
50	4.0	1	16.0	3	16.0
55	3.9	1	16.0	3	16.0
60	2.6	1	16.0	---	---
LB 65	---	---	---	---	---

Temperature cross section: Tualatin River at Farmington, Oregon (14206500)

Date: May 26, 1994

Time: 0915 Pacific Standard Time

Distance from right bank (feet)	Depth to bottom (feet)	Temperature depth (feet)	Temperature (degrees Celsius)	Temperature depth (feet)	Temperature (degrees Celsius)
RB 0	---	---	---	---	---
5	1.3	0.5	16.8	---	---
10	3.0	1	16.7	2	16.8
15	4.6	1	16.8	3	16.8
20	4.5	1	16.9	3	16.9
25	5.0	1	16.9	3	16.9
30	4.6	1	16.9	3	16.9
35	4.5	1	16.8	3	16.8
40	4.2	1	16.8	3	16.8
45	4.5	1	16.8	3	16.8
50	3.7	1	16.8	3	16.8
55	2.0	1	16.8	---	---
60	.5	.2	16.8	---	---
LB 65	---	---	---	---	---

Temperature cross section: Tualatin River near Scholls, Oregon (14206700)

Date: May 25, 1994

Time: 1020 Pacific Standard Time

Distance from right bank (feet)	Depth to bottom (feet)	Temperature depth (feet)	Temperature (degrees Celsius)
RB 0	---	---	---
10	1.6	1	17.1
20	1.7	1	17.1
30	2.0	1	17.1
40	2.0	1	17.1
50	2.7	1	17.1
60	3.0	1	17.1
70	3.0	1	17.1
80	2.1	1	17.1
LB 90	---	---	---

Temperature cross section: Tualatin River at R.M. 10.0 near Tualatin, Oregon (14206800)

Date: May 25, 1994

Time: 1315 Pacific Standard Time

Distance from right bank (feet)	Depth to bottom (feet)	Tempera- ture depth (feet)	Tempera- ture (degrees Celsius)	Tempera- ture depth (feet)	Tempera- ture (degrees Celsius)	Tempera- ture depth (feet)	Tempera- ture (degrees Celsius)
RB 0	---	---	---	---	---	---	---
10	5.0	2.0	17.5	---	---	---	---
20	7.5	2.0	17.4	4.0	17.4	---	---
40	8.0	2.0	17.6	4.0	17.5	6.0	17.5
60	8.5	2.0	17.6	4.0	17.6	6.0	17.6
80	8.5	2.0	17.7	4.0	17.7	6.0	17.6
100	5.0	2.0	18.0	4.0	17.9	---	---
120	5.8	2.0	17.8	4.0	17.7	---	---
140	2.5	2.0	17.8	---	---	---	---
150	1.0	---	---	---	---	---	---
LB 160	---	---	---	---	---	---	---

Temperature cross section: Tualatin River at Lake Oswego Dam near  
West Linn, Oregon (14207200)

Date: May 25, 1994

Time: 1500 Pacific Standard Time

Distance from right bank (feet)	Depth to bottom (feet)	Tempera- ture depth (feet)	Tempera- ture (degrees Celsius)	Tempera- ture depth (feet)	Tempera- ture (degrees Celsius)	Tempera- ture depth (feet)	Tempera- ture (degrees Celsius)
RB 0	---	---	---	---	---	---	---
5	1.0	---	---	---	---	---	---
15	4.2	2	18.0	---	---	---	---
25	4.7	2	18.2	---	---	---	---
35	6.0	2	18.2	4	17.5	---	---
45	6.6	2	18.9	4	17.6	---	---
55	7.0	2	18.0	4	17.5	6	17.4
65	7.0	2	17.9	4	17.5	6	17.4
75	6.3	2	17.8	4	17.5	6	17.4
85	6.4	2	17.8	4	17.5	6	17.4
95	5.6	2	17.7	4	17.5	---	---
105	5.7	2	17.9	4	17.6	---	---
115	5.3	2	17.8	4	17.6	---	---
125	5.0	2	17.7	4	17.6	---	---
135	4.6	2	17.9	4	17.6	---	---
145	4.1	2	17.7	---	---	---	---
155	4.2	2	17.9	---	---	---	---
165	4.0	2	17.7	---	---	---	---
175	1.5	---	---	---	---	---	---
LB 180	---	---	---	---	---	---	---

Temperature cross section: Tualatin River at Rood Bridge  
at Hillsboro, Oregon (14206440)

Date: September 7, 1994

Time: 1511 Pacific Standard Time

Distance from right bank (feet)	Depth to bottom (feet)	Temperature depth (feet)	Temperature (degrees Celsius)
RB 0	---	---	---
2	0.5	0.2	16.4
10	2.3	1.1	16.2
15	2.0	1.0	16.2
20	3.0	1.5	16.2
25	3.0	1.5	16.2
30	3.0	1.5	16.2
35	3.0	1.5	16.2
40	3.0	1.5	16.2
45	3.0	1.5	16.2
50	3.5	1.8	16.2
55	3.0	1.5	16.2
60	2.0	1.0	16.2
65	1.0	.5	16.3
LB 66	---	---	---

Temperature cross section: Rock Creek at Route 8 near  
Hillsboro, Oregon (14206450)

Date: September 7, 1994

Time: 1545 Pacific Standard Time

Distance from right bank (feet)	Depth to bottom (feet)	Temperature depth (feet)	Temperature (degrees Celsius)
RB 0	---	---	---
4	1.3	0.6	17.7
8	2.0	1.0	17.6
12	2.6	1.3	17.6
16	2.0	1.0	17.6
20	.7	.3	17.6
LB 24	---	---	---

Temperature cross section: Tualatin River at Farmington, Oregon (14206500)

Date: September 7, 1994

Time: 1426 Pacific Standard Time

Distance from right bank (feet)	Depth to bottom (feet)	Temperature depth (feet)	Temperature (degrees Celsius)	Temperature depth (feet)	Temperature (degrees Celsius)
RB 0	---	---	---	---	---
1	0.3	0.3	17.4	---	---
3	.5	.2	17.4	---	---
10	2.5	1.2	17.4	---	---
20	4.5	4.0	17.3	2.0	17.4
30	5.0	4.0	17.3	2.0	17.3
40	5.0	4.0	17.3	2.0	17.3
50	4.0	3.0	17.3	1.0	17.4
60	1.0	.5	17.3	---	---
LB 64	---	---	---	---	---

Temperature cross section: Tualatin River near Scholls, Oregon (14206700)

Date: September 7, 1994

Time: 1334 Pacific Standard Time

Distance from right bank (feet)	Depth to bottom (feet)	Temperature depth (feet)	Temperature (degrees Celsius)
RB 0	---	---	---
10	1.0	0.5	17.4
20	1.5	.8	17.3
30	2.0	1.0	17.3
40	2.0	1.0	17.3
50	2.5	1.2	17.4
60	2.8	1.4	17.4
70	2.8	1.4	17.4
80	2.0	1.2	17.5
90	1.0	.5	17.6
LB 96	---	---	---

Temperature cross section: Tualatin River at R.M. 10.0 near Tualatin, Oregon  
(14206800)

Date: September 7, 1994  
Time: 1056 Pacific Standard Time

Distance from right bank (feet)	Depth to bottom (feet)	Temperature depth (feet)	Temperature (degrees Celsius)	Temperature depth (feet)	Temperature (degrees Celsius)
RB 0	---	---	---	---	---
20	4.0	2.0	18.8	---	---
30	4.0	2.0	18.8	---	---
40	4.0	2.0	18.9	---	---
50	4.5	2.0	18.8	---	---
60	4.5	2.0	18.8	---	---
70	4.5	2.0	18.8	---	---
80	4.5	2.0	18.7	---	---
90	5.0	2.5	18.7	---	---
100	6.0	3.0	18.7	---	---
110	7.0	3.0	18.7	6.5	18.7
120	6.0	3.0	18.7	5.5	18.0
130	5.0	2.0	18.7	---	---
RB 135	---	---	---	---	---



Temperature cross section: Tualatin River at Lake Oswego Dam near West Linn,  
Oregon (14207200)

Date: September 7, 1994  
Time: 1122 Pacific Standard Time

Distance from right bank (feet)	Depth to bottom (feet)	Temperature depth (feet)	Temperature (degrees Celsius)	Temperature depth (feet)	Temperature (degrees Celsius)
RB 0	---	---	---	---	---
20	5.0	2.0	19.5	4.0	19.3
30	5.0	2.0	19.5	4.0	19.3
40	6.5	2.0	19.5	4.0	19.2
50	6.0	2.0	19.4	4.0	19.2
60	6.8	2.0	19.4	4.0	19.2
70	6.2	2.0	19.4	4.0	19.2
80	6.8	2.0	19.4	4.0	19.3
90	6.5	2.0	19.4	4.0	19.3
100	6.0	2.0	19.4	4.0	19.3
110	5.5	2.0	19.4	4.0	19.3
120	5.0	2.0	19.4	4.0	19.3
130	5.2	2.0	19.4	4.0	19.3
140	5.0	2.0	19.4	4.0	19.4
150	5.2	2.0	19.4	4.0	19.5
160	4.5	2.0	19.4	4.0	19.4
170	4.8	2.0	19.4	4.0	19.4
180	4.0	2.0	19.7	4.0	19.5
181	---	---	---	---	---

Temperature cross section: Tualatin River near West Linn,  
Oregon (14207500)

Date: September 7, 1994

Time: 1027 Pacific Standard Time

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Distance from right bank (feet)	Depth to bottom (feet)	Temperature depth (feet)	Temperature (degrees Celsius)
RB 0	---	---	---
20	1.5	1.0	19.7
30	2.0	1.0	19.5
40	3.0	1.5	19.5
50	2.5	1.5	19.5
60	3.0	1.5	19.5
70	3.2	1.5	19.4
80	3.0	1.5	19.4
90	3.2	1.5	19.4
100	3.2	1.5	19.4
110	3.5	1.5	19.4
120	4.0	2.0	19.4
130	3.5	2.0	19.4
140	2.0	1.0	19.4
LB 160	---	---	---

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