



**In cooperation with the City of Houston and
the Harris County Flood Control District**

Surface-Water Hydrologic Data for the Houston Metropolitan Area, Texas, Water Years 1990–95

Open-File Report 03–070

**U.S. Department of the Interior
U.S. Geological Survey**

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By Debra A. Sneck-Fahrer, Fred Liscum, and Jeffery W. East

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**In cooperation with the City of Houston and
the Harris County Flood Control District**

**Austin, Texas
2003**

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U.S. GEOLOGICAL SURVEY

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VERTICAL DATUM

Vertical coordinate information is referenced to the National Geodetic Vertical Datum of 1929 (NGVD of 1929).

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Abstract

During water years 1990–95, data were collected at 24 U.S. Geological Survey streamflow-gaging stations, 21 rain gages, and 6 water-quality stations in the Houston metropolitan area, Texas. The data were collected as part of the Houston Urban Runoff Program, which began in water year 1964.

Annual peaks were defined for the 24 streamflow-gaging stations in the study area. All stations had 10 or more years of record. Precipitation data from the 21 rain gages and discharge or stage data from 23 streamflow-gaging stations are available to develop storm hydrographs.

One-hundred thirty-four samples were collected at six water-quality stations. The samples were analyzed for about 80 water-quality properties and constituents.

INTRODUCTION

Background

Hydrologic investigations of urban watersheds in Texas were begun by the U.S. Geological Survey (USGS) in 1954. Studies have been conducted in most of the major Texas metropolitan areas including Houston, Dallas, San Antonio, and Austin. This report summarizes data collected for the Houston metropolitan area during water years 1990–95¹.

The USGS, in cooperation with the City of Houston and the Harris County Flood Control District, began studies of streamflow in the Houston metropolitan area in 1964. The Houston Urban Runoff Program (HURP) was expanded in water year 1968 to include collection of water-quality data. The objectives of the ongoing Houston urban-hydrology study are

1. To determine, on the basis of historical data and hydrologic analyses of data collected, the magnitude and frequency of flood peaks;
2. To determine the effects of continuing urban development on flood peaks, flood volumes, and characteristics (timing and duration) of flood runoff; and
3. To determine variations in stream water quality for different flow conditions, different seasons, and varying patterns of urban development.

Several studies have used the extensive database compiled since 1964. These studies addressed the effects of urbanization and basin characteristics on flood magnitude and frequency (Johnson and Sayre, 1973; Liscum and Massey, 1980; Liscum, 2001) and the concentrations and loads of selected water-quality constituents discharged into Galveston Bay (U.S. Army Corps of Engineers, 1976). A summary of surface-water and precipitation data collected as part of the HURP during 1964–89 is provided by Liscum and others (1997).

The USGS gratefully acknowledges the support of the various agencies who participated in this study. Principal among these are the City of Houston, Harris County Flood Control District, and Harris County Office of Emergency Management. The U.S. Army Corps of Engineers also has provided support for parts of the study.

Purpose and Scope

This report presents a summary of selected hydrologic data collected in the Houston metropolitan area during the 1990–95 water years. It is an extension of an earlier report (Liscum and others, 1997) that summarized surface-water hydrologic data for 1964–89. As in the previous report, the USGS focus is the collection of surface-water hydrologic data (stage, streamflow, and water samples to determine chemical quality). However, to develop a more comprehensive database, precipitation data collected by the Harris County Office of

¹ A water year is the 12-month period, October 1 through September 30, designated by the calendar year in which it ends.

Emergency Management (HCOEM) are included in the report. The complete database of stage, discharge, precipitation, and water-quality data collected during water years 1990–95 is included on a compact disc (CD) inserted in a pocket on the inside back cover of this report.

Location and Description of the Study Area

The Houston metropolitan area (study area, fig. 1) in southeast Texas is about 45 miles (mi) north of the Gulf of Mexico on an almost level plain. The land-surface altitude increases from about 35 feet (ft) above NGVD of 1929 in the southeastern part of the study area to about 135 ft above NGVD of 1929 in the northwestern part. Soils in the area predominantly are clay, clay loams, and fine sandy loams of low permeability.

The major stream draining the area is Buffalo Bayou (fig. 1), a tributary of the San Jacinto River. Buffalo Bayou is regulated by Barker and Addicks Reservoirs, flood-detention reservoirs in the western part of the area. From these reservoirs, Buffalo Bayou meanders eastward, is fed by four major tributaries (Whiteoak, Brays, Sims, and Greens Bayous), and enters the Houston Ship Channel and then Galveston Bay on the Gulf of Mexico. The drainage area of Buffalo Bayou, excluding the area above the flood-detention reservoirs, is about 810 square miles (mi²).

The Houston metropolitan area has a subtropical humid climate characterized by the predominant onshore flow of tropical maritime air from the Gulf of Mexico. This onshore flow of air is modified by a decrease in moisture from east to west and by intermittent seasonal intrusions of continental air. The climate also is characterized by short and mild winters and hot summers. On the basis of 1971–2000 normals, the average maximum daytime temperature in summer is 92.3 degrees Fahrenheit (°F) (33.5 degrees Celsius [°C]), and the average daily temperature in winter is between 40 and 65 °F (4 and 18 °C) (Office of the Texas State Climatologist, 2002).

The Houston metropolitan area has developed rapidly. The population grew from 1.24 million in 1960 to 3.32 million in 1990 (U.S. Census Bureau, 2002). From 1990 to 1995, the population increased 10.3 percent to 3.70 million people (Real Estate Center at Texas A&M University, 2002).

DATA COLLECTION

History of Data-Collection Activities

From the beginning of the HURP program in 1964, the USGS has installed and maintained streamflow-gaging instruments to collect the required data on most major drainage basins in the metropolitan area (Buffalo, Whiteoak, Brays, Sims, and Greens Bayous) and many minor basins (including Keegans, Little Whiteoak, Berry, Vince, Hunting, and Halls Bayous). By 1966, the HURP data network consisted of 27 rain gages and 33 streamflow-gaging stations (19 continuous; 14 flood hydrograph) maintained by the USGS. The maximum number of instrumented streamflow stations (39) were in place during water years 1971, 1972, and 1982. Water-quality sampling began with 1 station in water year 1968, increasing to 13 stations in water year 1969. The water-quality network had a maximum of 15 stations during water year 1972. During water years 1990–95, 24 streamflow stations, 21 rain gages (all rain gages operated by the HCOEM), and 6 water-quality stations were monitored (fig. 1). Table 1 (at end of report) lists the type of data collected at each USGS gaging station in the data network during this period.

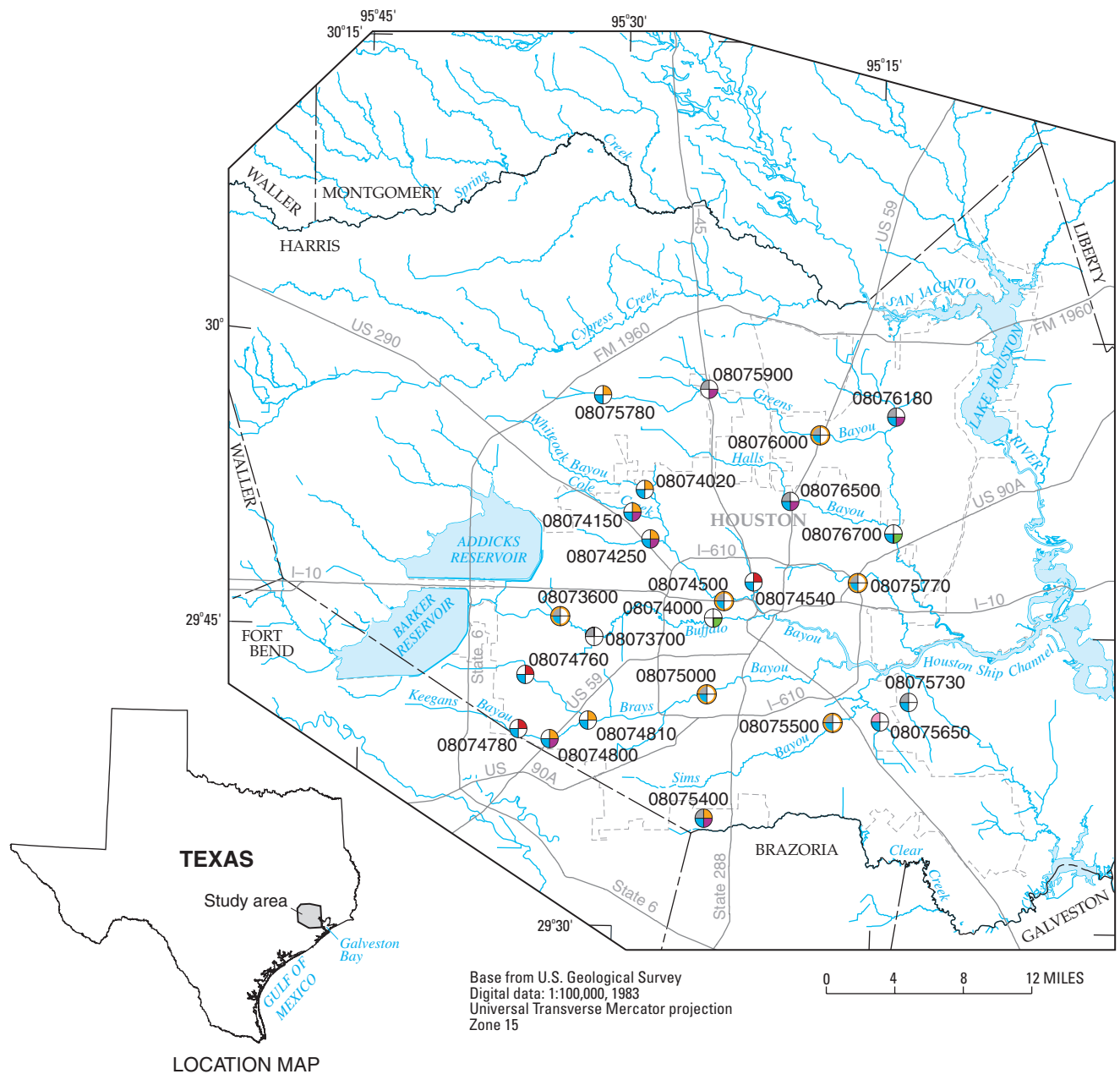
Description of Data-Collection Network

The USGS data-collection network consists of several types of gaging stations. These stations are described below and listed in table 1 to classify the sites by type of data collected.

(1) Continuous-record streamflow—A water-stage sensor and a recording instrument records water stage from base (or zero) flow to flood stage. Discharge measurements are made to define a stage-discharge relation. Data computed include flood discharges, flood stages, daily average flows, and flood hydrographs.

(2) Flood hydrograph (and partial record, streamflow)—A water-stage sensor and a recording instrument records water stage from an arbitrary minimum stage to flood stage. Discharge measurements are made to define a stage-discharge relation. Data computed include flood discharges, flood stages, and flood hydrographs.

(3) Partial record, stage only—A water-stage sensor and a recording instrument records water stage from an arbitrary minimum stage to flood stage. Data computed include annual maximum stages and flood stages.



EXPLANATION

Type of U.S. Geological Survey station and number—Number corresponds to station number in table 1

- | | | | |
|---------------|--|---------------|--|
| 08073700
⊕ | Continuous-record streamflow station | 08074150
⊕ | Partial record, peak streamflow greater than a base discharge station |
| 08075650
⊕ | Continuous-record gage height station | 08074000
⊕ | Flood hydrograph, continuous-record streamflow greater than a base discharge station |
| 08074020
⊕ | Partial record, annual maximum peak streamflow station | 08076700
⊕ | Precipitation station |
| 08074540
⊕ | Partial record, annual maximum gage height station | 08073600
⊕ | Water-quality station |

Figure 1. Location of data-collection sites in the Houston metropolitan area, Texas.

(4) Precipitation—Rainfall is collected with an instrument requiring either a tipping bucket or weighing device to determine accumulated rainfall. Data include incremental amounts for given time intervals. Rain gages used in this study are maintained by the HCOEM.

(5) Water quality—Water samples are collected manually. Samples are analyzed for physical, biological, and chemical properties and constituents.

SUMMARY OF PRECIPITATION DATA

All precipitation data measured in the study area are rainfall. Rainfall was measured by HCOEM gages that are colocated with USGS gaging stations (table 2, at end of report). These data are the basis for defining storm rainfall for the storm-hydrograph data presented in this report. Average annual rainfall from gages in the network ranged from a minimum of 34.54 inches (in.) during the 1990 water year to a maximum of 68.15 in. during the 1992 water year. The maximum daily rainfall amounts were measured in the study area during two storms: (1) March 4, 1992, when 6 stations within a narrow band on the upper Whiteoak, Greens, Garners, and Halls bayous measured between 5.98 and 7.80 in.; and (2) October 17–18, 1994, when 10 stations on several bayous (including Little Whiteoak, Keegans, Berry, Sims, Brays, Vince, Hunting, and Greens) throughout the study area measured as much as 10.16 in.

The precipitation data provided for water years 1990–95 are incremental amounts during selected storms (included on the CD with this report); data formats are described in a later section. A complete list of all precipitation data files is given in appendix 1.

The maximum recorded incremental rainfall observed during water years 1990–95 was 2.99 in. for 15-minute intervals, 3.27 in. for 30-minute intervals, and 4.28 in. for 60-minute intervals. The maximum rainfall for the HURP studies during water years 1964–89 and water years 1990–95 can be compared to values for the 25- and 50-year recurrence intervals determined for the Houston area by the National Weather Service (NWS) (Frederick and others, 1977; Hershfield, 1961) and by the USGS in a more recent report (Asquith, 1998):

Time increment (minutes)	HURP		NWS		USGS	
	Maximum rainfall, water years 1964–89 (inches)	Maximum rainfall, water years 1990–95 (inches)	25-year recurrence interval total rainfall (inches)	50-year recurrence interval total rainfall (inches)	25-year recurrence interval total rainfall (inches)	50-year recurrence interval total rainfall (inches)
	15	2.25	2.99	1.7	1.9	1.7
30	3.00	3.27	3.1	3.4	2.4	2.6
60	4.90	4.28	3.8	4.2	3.4	3.8

SUMMARY OF SURFACE-WATER HYDROLOGIC DATA

Two general types of data for water years 1990–95 are provided: (1) water-quantity data and (2) water-quality data. All data summarized in this section are on the CD included with this report; data formats are explained in a later section.

Water-Quantity Data

Water-quantity data are based on discharge measurements and stage records that were collected at 24 stations during the study (fig. 1, table 1). The number of continuous-record streamflow-gaging stations ranged from 8 in water years 1994–95 to 12 in water years 1990–91. The number of partial record stations ranged from 9 in water years 1990–91 to 13 in water years 1994–95.

Data that describe surface-water conditions include the following:

1. Flood peaks—Annual flood peaks, defined as the maximum discharge in cubic feet per second (or the maximum stage in feet) that occurred during the water year, were determined for each station (table 3, at end of report). All stations had 10 or more years of record. During the 1990–95 water years, peak flows and (or) peak stages occurred at 12 stations during the March 1992 storm. These stations are located in the Buffalo, Whiteoak, Brays, and Garners Bayou Basins. One other peak flow measured in the study area during the 1990–95 water years occurred during the October 1994 storm. The analysis of flood peaks provides information for planners, engineers, and others to develop methods to understand, prevent, and (or) diminish potential damages caused by floods in the future.
2. Storm hydrographs—Discharge hydrographs (and for some stations, stage hydrographs) were determined for a selected number of storms during each water year at 23 stations (table 4, at end

of report). A complete list of all discharge and stage data files are given in appendix 2.

3. **Daily mean flows**—Daily mean discharges were computed for all continuous-record streamflow stations, including those where discharges were computed over the entire range of stage and those where discharges were calculated only above a specified base flow.

Water-Quality Data

Water-quality data, including physical, biological, and chemical properties and constituents, have been collected to represent various flow conditions during a water year. Analyses include properties (temperature, specific conductance, dissolved oxygen, pH, color, turbidity, alkalinity, and biochemical oxygen demand), dissolved solids, bacteria, carbon, nutrients, major ions, trace elements, and pesticides. These data are included on the CD.

During water years 1990–95, 134 water-quality samples were collected at six stations (table 5, at end of report) by USGS personnel. These stations are located on each of the five major drainage basins (Buffalo, Whiteoak, Brays, Sims, and Greens Bayous) in the study area, as well as Hunting Bayou. Except for samples collected from Buffalo Bayou, samples were collected five times during each of the 1990 and 1991 water years with a strong emphasis on changes in chemical and biological conditions during the spring and summer months. During each of the 1992–95 water years, samples were collected three times—in February, May, and August.

Samples were analyzed at the USGS National Water Quality Laboratory for about 80 water-quality properties and constituents (table 6, at end of report). For some constituents (such as nutrients and selected pesticides), either total or dissolved fractions were analyzed. At the beginning of the 1993 water year, analyses for total concentrations of nitrogen and phosphorus species were discontinued, and only the dissolved concentrations were reported. Summary statistics indicate the variation of water-quality properties and constituents in the study area during water years 1990–95.

DATA AVAILABILITY AND FORMATS

The data for this study are on a CD. The four directories on the CD indicate the type of data files available:

- (1) **stations**, which contains station manuscripts for the 24 USGS streamflow-gaging stations for which flow and (or) stage data are provided;
- (2) **sw**, which contains

data files of daily mean discharges for 14 continuous-record streamflow stations (table 1), data files of peak flows and (or) stages for 24 stations, and data files of discharges or stages for selected storms for 23 stations;

- (3) **precip**, which contains data files of precipitation for 21 stations (table 1); and
- (4) **qw**, which contains data files of water quality for 6 stations (table 1).

The types of data files are described below.

Station manuscript—The station manuscript provides pertinent information about the gaging station, including major river basin in which the station is located, station location, drainage area, period of record, gage datum, remarks, and stage/discharge extremes (for selected stations). These data files are ASCII files that are identified by a leading “M” followed by the entire USGS station number. For example, the manuscript file for station 08074150 is M08074150.dat.

Daily mean discharge—Daily mean discharges are computed each year for all continuous-record streamflow stations. These data files are tab-delimited (.rdb) files. They are identified by a leading “QDV” followed by the last 5 digits of the USGS station number. For example, the daily mean discharge file for station 08074500 is QDV74500.rdb.

Peaks—Peaks are the maximum discharge and (or) stage that occurred during a water year at a station as well as peaks that exceed a base discharge, if computed. Data for each station are provided in tab-delimited files that are identified by a leading “PK” followed by the last 5 digits of the USGS station number. For example, available peaks for station 08074150 are contained in the file PK74150.rdb.

Storm hydrographs—Storm-hydrograph data include discharge or stage data for selected storms. These data files are tab-delimited files. Unit-value discharge data files are identified by a leading “quv” (unit-value stage data files are identified by a leading “ghuv”) followed by the last 5 digits of the USGS station number and the month and year in which the storm began. For example, a unit-value discharge file that describes a storm in March 1992 recorded by station 08074150 is quv74150_0392.rdb.

Precipitation—Precipitation data comprise files of unit values during storms, coinciding with discharge data files. The data are provided in a tab-delimited format. For stations without colocated rain gages, precipitation data are included from stations with colocated rain gages in the watershed above the designated station. Precipitation data files are identified by a leading “p” followed by the last 5 digits of the USGS station number and the beginning month and year of the data. For example, precipitation data for station 08074500 from a storm in March 1992 is p74500_0392.rdb.

Water quality—Water-quality files provide data from water samples collected and analyzed for selected properties and constituents at a station. These data are provided in a tab-delimited format and arranged within the file by date sampled. Files are identified by a leading “QW” followed by the last 5 digits of the USGS station number. For example, the water-quality file for station 08074500 is QW74500.rdb.

SUMMARY

In 1964, the USGS began studies of streamflow in the Houston metropolitan area and in water year 1968, expanded HURP to include water quality. This report summarizes selected hydrologic data collected during water years 1990–95 and includes a CD of the complete database of stage, discharge, precipitation, and water-quality data.

Two general types of surface-water hydrologic data are presented for water years 1990–95: (1) water-quantity data and (2) water-quality data. Water-quantity data are based on discharge measurements and stage records collected at 24 streamflow-gaging stations; the data include annual peaks at the 24 stations (all with 10 or more years of record), storm hydrographs for selected storms during each water year at 23 stations, and daily mean flows at 14 stations. Samples were collected at six stations for water-quality analysis. About 80 physical, biological, and chemical properties and constituents were analyzed in 134 samples.

Precipitation data for water years 1990–95 are incremental amounts during selected storms. Rainfall was recorded by HCOEM gages that are collocated with USGS gaging stations. These data are the basis for defining storm rainfall for the storm-hydrograph data presented in this report.

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Table 1. Type of data collected at U.S. Geological Survey streamflow-gaging stations during water years 1990–95
[X, data collected; --, data not collected]

Station no. (fig. 1)	Station name	Type of data collected	Water year					
			1990	1991	1992	1993	1994	1995
08073600	Buffalo Bayou at West Belt Dr., Houston, Tex.	Continuous-record streamflow	X	X	X	X	X	X
		Water quality	X	X	X	X	X	X
		Precipitation	X	X	X	X	X	X
08073700	Buffalo Bayou at Piney Point, Tex.	Continuous-record streamflow	X	X	X	X	X	X
08074000	Buffalo Bayou at Houston, Tex.	Flood hydrograph, continuous-record streamflow greater than a base discharge	X	X	X	X	X	X
08074020	Whiteoak Bayou at Alabonson Rd. at Houston, Tex.	Partial record, annual maximum peak streamflow	X	X	X	X	X	X
		Precipitation	X	X	X	X	X	X
08074150	Cole Creek at Deihl Rd., Houston, Tex.	Partial record, annual maximum peak streamflow	X	X	X	--	--	--
		Partial record, peak streamflow greater than a base discharge	--	--	--	X	X	X
		Precipitation	X	X	X	X	X	X
08074250	Brickhouse Gully at Costa Rica St., Houston, Tex.	Partial record, annual maximum peak streamflow	X	X	X	--	--	--
		Partial record, peak streamflow greater than a base discharge	--	--	--	X	X	X
		Precipitation	X	X	X	X	X	X
08074500	Whiteoak Bayou at Houston, Tex.	Continuous-record streamflow	X	X	X	X	X	X
		Water quality	X	X	X	X	X	X
		Precipitation	X	X	X	X	X	X
08074540	Little Whiteoak Bayou at Trimble St. at Houston, Tex.	Partial record, annual maximum gage height	X	X	X	X	X	X
		Precipitation	X	X	X	X	X	X
08074760	Brays Bayou at Alief, Tex.	Partial record, annual maximum gage height	X	X	X	X	X	X
		Precipitation	X	X	X	X	X	X
08074780	Keegans Bayou at Keegan Rd. near Houston, Tex.	Partial record, annual maximum gage height	X	X	X	X	X	X
		Precipitation	X	X	X	X	X	X
08074800	Keegans Bayou at Roark Rd. near Houston, Tex.	Partial record, annual maximum peak streamflow	X	X	X	--	--	--
		Partial record, peak streamflow greater than a base discharge	--	--	--	X	X	X
		Precipitation	X	X	X	X	X	X
08074810	Brays Bayou at Gessner Dr., Houston, Tex.	Partial record, annual maximum peak streamflow	X	X	X	X	X	X
		Precipitation	X	X	X	X	X	X
08075000	Brays Bayou at Houston, Tex.	Continuous-record streamflow	X	X	X	X	X	X
		Water quality	X	X	X	X	X	X
		Precipitation	X	X	X	X	X	X

Table 1. Type of data collected at U.S. Geological Survey streamflow-gaging stations during water years 1990–95—Continued

Station no. (fig. 1)	Station name	Type of data collected	Water year					
			1990	1991	1992	1993	1994	1995
08075400	Sims Bayou at Hiram Clarke St., Houston, Tex.	Continuous-record streamflow	X	X	--	--	--	--
		Partial record, annual maximum peak streamflow	--	--	X	--	--	--
		Partial record, peak streamflow greater than a base discharge	--	--	--	X	X	X
		Precipitation	X	X	X	X	X	X
08075500	Sims Bayou at Houston, Tex.	Continuous-record streamflow	X	X	X	X	X	X
		Water quality	X	X	X	X	X	X
		Precipitation	X	X	X	X	X	X
08075650	Berry Bayou at Forest Oaks St., Houston, Tex.	Continuous-record gage height	X	X	X	X	X	X
		Precipitation	X	X	X	X	X	X
08075730	Vince Bayou at Pasadena, Tex.	Continuous-record streamflow	X	X	X	X	X	X
		Precipitation	X	X	X	X	X	X
08075770	Hunting Bayou at IH-610, Houston, Tex.	Continuous-record streamflow	X	X	X	X	X	X
		Water quality	X	X	X	X	X	X
		Precipitation	X	X	X	X	X	X
08075780	Greens Bayou at Cutten Rd. near Houston, Tex.	Partial record, annual maximum peak streamflow	X	X	X	X	X	X
		Precipitation	X	X	X	X	X	X
08075900	Greens Bayou near U.S. Highway 75 near Houston, Tex.	Continuous-record streamflow	X	X	X	--	--	--
		Partial record, peak streamflow greater than a base discharge	--	--	--	X	X	X
08076000	Greens Bayou near Houston, Tex.	Continuous-record streamflow	X	X	X	X	X	X
		Water quality	X	X	X	X	X	X
		Precipitation	X	X	X	X	X	X
08076180	Garners Bayou near Humble, Tex.	Continuous-record streamflow	X	X	X	X	--	--
		Partial record, peak streamflow greater than a base discharge	--	--	--	--	X	X
		Precipitation	X	X	X	X	X	X
08076500	Halls Bayou at Houston, Tex.	Continuous-record streamflow	X	X	X	X	--	--
		Partial record, peak streamflow greater than a base discharge	--	--	--	--	X	X
		Precipitation	X	X	X	X	X	X
08076700	Greens Bayou at Ley Rd., Houston, Tex.	Flood hydrograph, continuous-record streamflow greater than a base discharge	X	X	--	X	X	X
		Precipitation	X	X	X	X	X	X

Table 2. Description of Harris County Office of Emergency Management rain gages used to provide data for this study

USGS station no. (fig. 1)	Station name	HCOEM station ID	Period of record¹
08073600	Buffalo Bayou at West Belt Dr., Houston, Tex.	2270	May 1988–current
08074020	Whiteoak Bayou at Alabonson Rd. at Houston, Tex.	540	July 1984–current
08074150	Cole Creek at Deihl Rd., Houston, Tex.	590	Apr. 1984–current
08074250	Brickhouse Gully at Costa Rica St., Houston, Tex.	580	Apr. 1984–current
08074500	Whiteoak Bayou at Houston, Tex.	520	Mar. 1984–current
08074540	Little Whiteoak Bayou at Trimble St. at Houston, Tex.	560	May 1984–current
08074760	Brays Bayou at Alief, Tex.	470	May 1984–current
08074780	Keegans Bayou at Keegan Rd. near Houston, Tex.	490	May 1984–current
08074800	Keegans Bayou at Roark Rd. near Houston, Tex.	480	Apr. 1984–current
08074810	Brays Bayou at Gessner Dr., Houston, Tex.	460	Apr. 1984–current
08075000	Brays Bayou at Houston, Tex.	420	Apr. 1984–current
08075400	Sims Bayou at Hiram Clarke St., Houston, Tex.	380	June 1983–current
08075500	Sims Bayou at Houston, Tex.	340	June 1983–current
08075650	Berry Bayou at Forest Oaks St., Houston, Tex.	320	June 1983–current
08075730	Vince Bayou at Pasadena, Tex.	920	Feb. 1984–current
08075770	Hunting Bayou at IH–610, Houston, Tex.	830	Oct. 1985–current
08075780	Greens Bayou at Cutten Rd. near Houston, Tex.	1670	Mar. 1986–current
08076000	Greens Bayou near U.S. Highway 75 near Houston, Tex.	1640	May 1984–current
08076180	Garners Bayou near Humble, Tex.	1630	July 1984–current
08076500	Halls Bayou at Houston, Tex.	1680	May 1984–current
08076700	Greens Bayou at Ley Rd., Houston, Tex.	1620	June 1983–current

¹ Data not available for all stations, Nov. 1–30, 1994.

Table 3. Observed annual peak discharges for U.S. Geological Survey streamflow-gaging stations during water years 1990–95

[In cubic feet per second except where noted. Past peak discharge, maximum for period of USGS data collection prior to 1990; record peak discharge, maximum for period of record; --, not determined]

Station no.	Past peak discharge (date)	Water year peak discharge						Record peak discharge ¹ (date)
		1990	1991	1992	1993	1994	1995	
08073600	5,350 (08–31–81)	2,320	2,530	7,290	3,680	2,150	3,780	7,290 (03–04–92)
08073700	5,700 (08–31–81)	2,280	2,580	7,500	4,550	2,570	4,940	7,500 (03–04–92)
08074000	10,900 (08–30–45)	4,520	4,840	12,500	6,710	5,890	8,450	12,500 (03–04–92)
08074020	7,390 (05–18–89)	3,420	4,440	8,610	4,520	1,890	3,980	8,610 (03–04–92)
08074150	1,900 (05–18–89)	1,120	1,180	2,780	954	598	773	2,780 (03–04–92)
08074250	5,800 (03–20–72)	3,130	4,540	7,580	3,320	3,800	2,700	7,580 (03–04–92)
08074500	18,300 (06–26–89)	8,550	9,310	25,100	11,200	6,850	11,800	25,100 (03–04–92)
08074540	² 40.25 (10–25–84)	² 33.84	² 34.48	² 43.17	² 38.25	² 36.54	² 39.29	² 43.17 (03–04–92)
08074760	4,580 (08–31–81) ² 19.59 (08–31–81)	² 14.41	² 13.40	² 21.16	² 14.41	² 12.30	² 16.83	² 21.16 (03–04–92)
08074780	² 83.53 (04–14–66)	² 75.38	² 76.71	² 80.93	² 78.11	² 76.14	² 80.27	² 83.53 (04–14–66)
08074800	4,250 (09–19–83)	1,670	2,500	4,880	3,000	2,410	4,850	4,880 (03–04–92)
08074810	16,800 (09–19–83)	3,690	9,470	16,900	8,380	7,900	11,000	16,900 (03–04–92)
08075000	29,000 (06–15–76, 09–19–83)	10,400	19,800	23,000	16,000	16,500	27,000	29,000 (06–15–76, 09–19–83)
08075400	5,190 (08–01–89)	875	5,120	6,290	4,540	3,710	7,510	7,510 (10–18–94)
08075500	11,400 (08–18–83)	1,680	7,040	4,490	4,180	4,770	7,730	11,400 (08–18–83)
08075650	5,080 (06–09–75) ² 23.85 (09–20–79)	² 10.54	² 16.44	² 14.17	² 12.07	² 15.61	² 17.97	5,080 (06–09–75) ² 23.85 (09–20–79)

Footnotes at end of table

Table 3. Observed annual peak discharges for U.S. Geological Survey streamflow-gaging stations during water years 1990–95—Continued

Station no.	Past peak discharge (date)	Water year peak discharge						Record peak discharge ¹ (date)
		1990	1991	1992	1993	1994	1995	
08075730	4,720 (05–03–81)	2,170	2,210	1,830	1,750	2,030	2,710	4,720 (05–03–81)
08075770	3,470 (06–26–89)	850	1,900	2,800	2,890	1,970	3,430	3,470 (06–26–89)
08075780	2,110 (10–25–84)	552	889	904	715	740	962	2,110 (10–25–84)
08075900	13,000 (06–26–89)	2,930	4,820	8,180	5,500	1,940	6,150	13,000 (06–26–89)
08076000	16,500 (06–27–89)	2,810	4,280	9,560	5,620	3,150	7,150	16,500 (06–27–89)
08076180	8,030 (06–27–89)	1,540	2,610	9,980	3,900	2,370	3,940	9,980 (03–04–92)
08076500	5,000 (06–27–89)	1,120	1,890	4,840	2,650	1,940	2,580	5,000 (06–27–89)
08076700	32,500 (06–27–89)	5,220	8,490	--	13,700	8,840	21,800	32,500 (06–27–89)

¹ 10 or more years of record.

² Gage height in feet above datum.

Table 4. Summary of storm-hydrograph data for U.S. Geological Survey streamflow-gaging stations during water years 1990–95

[ft³/s, cubic feet per second; ft, feet; --, not determined]

Station no.	Total no. of storms	Maximum, all storms		Station no.	Total no. of storms	Maximum, all storms	
		Discharge (ft ³ /s)	Stage (ft)			Discharge (ft ³ /s)	Stage (ft)
08073700	19	7,500	61.23	08075400	17	7,510	54.65
08074000	20	12,500	34.63	08075500	18	7,730	29.88
08074020	25	4,520	45.87	08075650	12	--	17.97
08074150	23	2,780	80.73	08075730	19	2,710	16.00
08074250	26	7,580	71.26	08075770	20	3,430	39.80
08074500	24	25,100	50.43	08075780	20	904	114.22
08074540	11	--	43.17	08075900	21	8,180	86.39
08074760	21	--	21.16	08076000	22	9,560	64.15
08074780	19	--	80.93	08076180	22	9,980	57.27
08074800	20	4,880	75.91	08076500	21	4,840	62.72
08074810	23	16,900	65.42	08076700	14	21,800	36.10
08075000	23	27,000	51.02				

Table 5. Summary of samples collected at U.S. Geological Survey water-quality stations during water years 1990–95

Station no.	No. of samples collected during water year					
	1990	1991	1992	1993	1994	1995
08073600	4	4	4	4	4	4
08074500	5	5	3	3	3	3
08075000	5	5	3	3	3	3
08075500	5	5	3	3	3	3
08075770	5	5	3	3	3	3
08076000	5	5	3	3	3	3

Table 6. Statistical summary of water-quality data collected at six stations during water years 1990–95

[°C, degrees Celsius; N/A, not applicable; $\mu\text{S}/\text{cm}$, microsiemens per centimeter at 25 degrees Celsius; mg/L, milligrams per liter; NTU, nephelometric turbidity units; <, less than; μm , micrometer; cols./100 mL, colonies per 100 milliliters; E, estimated; $\mu\text{g}/\text{L}$, micrograms per liter]

Parameter no.	Water-quality property or constituent (unit)	No. of samples	No. of detections	Minimum reporting limit	Descriptive statistics		
					Maximum	Minimum	Mean
Physical properties							
P00010	Temperature, water (°C)	134	N/A	N/A	33.5	10.0	25.7
P00095	Specific conductance ($\mu\text{S}/\text{cm}$ at 25 °C)	134	N/A	N/A	1,810	102	740
P00300	Oxygen, dissolved (mg/L)	134	N/A	N/A	19.0	2.5	7.5
P00400	pH, whole, field (standard units)	133	N/A	N/A	8.9	6.4	7.9
P00080	Color (platinum-cobalt units)	134	N/A	N/A	400	1	22
P00076	Turbidity (NTU)	134	N/A	N/A	170	1.3	20
P39036	Alkalinity, dissolved, fixed endpoint, field (mg/L as CaCO_3)	109	N/A	N/A	270	30	170
P00530	Residue, total, nonfilterable (mg/L)	134	N/A	N/A	430	<1	28
P00535	Residue, volatile, nonfilterable (mg/L)	134	N/A	N/A	60	<1	8
P00310	Biochemical oxygen demand, 5-day at 20 °C (mg/L)	134	N/A	N/A	12.0	.4	3.0
P80082	Biochemical oxygen demand, carbonaceous, 5-day at 20 °C (mg/L)	133	N/A	N/A	8.1	.3	2.3
Indicator bacteria							
P31625	Fecal coliform, 0.7- μm membrane filter (cols./100 mL)	110	110	N/A	45,000	E1	2,300
P31673	Fecal streptococci, membrane filter, KF agar (cols./100 mL)	110	110	N/A	27,000	E1	260

Table 6. Statistical summary of water-quality data collected at six stations during water years 1990–95—Continued

Parameter no.	Water-quality property or constituent (unit)	No. of samples	No. of detections	Minimum reporting limit	Descriptive statistics		
					Maximum	Minimum	Mean
Carbon, nitrogen, and phosphorus							
P00680	Carbon, organic, total (mg/L as C)	134	134	0.40	23	5.0	7.4
P00610	Nitrogen, ammonia, total (mg/L as N)	77	77	.01	2.0	.02	.21
P00608	Nitrogen, ammonia, dissolved (mg/L as N)	57	57	.02	3.2	.02	.23
P00625	Nitrogen, ammonia + organic, total (mg/L as N)	77	77	.10	6.2	.40	1.3
P00623	Nitrogen, ammonia + organic, dissolved (mg/L as N)	57	57	.10	4.0	.50	1.0
P00615	Nitrogen, nitrite, total (mg/L as N)	77	76	.01	1.4	<.01	.10
P00613	Nitrogen, nitrite, dissolved (mg/L as N)	57	57	.01	.96	.02	.09
P00630	Nitrogen, nitrite + nitrate, total (mg/L as N)	77	76	.10	9.7	<.10	4.6
P00631	Nitrogen, nitrite + nitrate, dissolved (mg/L as N)	57	57	.06	7.1	.34	4.1
P00665	Phosphorus, total (mg/L as P)	77	77	.04	12	.16	2.2
P00666	Phosphorus, dissolved (mg/L as P)	57	57	.04	1.7	.16	.71
P00671	Phosphorus, orthophosphate, dissolved (mg/L as P)	57	57	.02	1.7	.12	.71
Major ions							
P00915	Calcium, dissolved (mg/L as Ca)	114	114	.01	75	9.6	44
P00925	Magnesium, dissolved (mg/L as Mg)	114	114	.01	16	1.5	7.9
P00935	Potassium dissolved (mg/L as K)	109	109	.11	9.8	2.3	5.9
P00930	Sodium, dissolved (mg/L as Na)	114	114	.09	290	7.5	86
P00940	Chloride, dissolved (mg/L as Cl)	109	109	.01	180	7.0	71
P00950	Fluoride, dissolved (mg/L as F)	109	105	.10	1.0	<.10	.40
P00945	Sulfate, dissolved (mg/L as SO ₄)	109	109	.01	450	2.7	32
P00955	Silica, dissolved (mg/L as SiO ₂)	114	114	.21	41	3.7	15
Trace elements							
P01000	Arsenic, dissolved (µg/L as As)	90	90	1.9	21	2.0	4.0
P01005	Barium, dissolved (µg/L as Ba)	90	90	.90	280	39	110
P01010	Beryllium, dissolved (µg/L as Be)	90	3	.50	.70	<.50	<.50
P01025	Cadmium, dissolved (µg/L as Cd)	90	11	1.0	4.0	<1.0	<1.0
P01030	Chromium, dissolved (µg/L as Cr)	90	4	5.0	9.0	<5.0	<5.0
P01035	Cobalt, dissolved (µg/L as Co)	90	0	3.0	<3.0	<3.0	<3.0
P01040	Copper, dissolved (µg/L as Cu)	90	3	10	320	<10	<10
P01046	Iron, dissolved (µg/L as Fe)	90	87	3.0	190	<3.0	21

Table 6. Statistical summary of water-quality data collected at six stations during water years 1990-95—Continued

Parameter no.	Water-quality property or constituent (unit)	No. of samples	No. of detections	Minimum reporting limit	Descriptive statistics		
					Maximum	Minimum	Mean
P01049	Lead, dissolved (µg/L as Pb)	90	7	10	30	<10	<10
P01130	Lithium, dissolved (µg/L as Li)	90	82	4.0	25	<4.0	15
P01056	Manganese, dissolved (µg/L as Mn)	90	90	1.6	210	2.0	24
P71890	Mercury, dissolved (µg/L as Hg)	90	2	.1	2.0	<.1	<.1
P01060	Molybdenum, dissolved (µg/L as Mo)	90	24	10	20	<10	<10
P01065	Nickel, dissolved (µg/L as Ni)	90	12	10	20	<10	<10
P01145	Selenium, dissolved (µg/L as Se)	90	20	1.0	2.0	<1.0	<1.0
P01075	Silver, dissolved (µg/L as Ag)	90	12	1.0	3.0	<1.0	<1.0
P01080	Strontium, dissolved (µg/L as Sr)	90	90	.60	490	50	350
P01085	Vanadium, dissolved (µg/L as V)	90	18	6.0	8.0	<6.0	<6.0
P01090	Zinc, dissolved (µg/L as Zn)	90	90	1.0	130	6.0	17
Pesticides							
P77825	Alachlor, total, recoverable (µg/L)	80	0	.1	<.1	<.1	<.1
P46342	Alachlor, dissolved, recoverable (µg/L)	10	0	.05	<.05	<.05	<.05
P82587	Aldicarb sulfone, total, recoverable (µg/L)	40	0	.5	<.5	<.5	<.5
P82586	Aldicarb sulfoxide, total, recoverable (µg/L)	40	0	.5	<.5	<.5	<.5
P82619	Aldicarb, total, recoverable (µg/L)	74	0	.5	<.5	<.5	<.5
P82184	Ametryne, total (µg/L)	75	2	.1	.1	<.1	<.1
P38401	Ametryne, dissolved, recoverable (µg/L)	10	0	.05	<.05	<.05	<.05
P39630	Atrazine, unfiltered, recoverable (µg/L)	80	61	.1	3.3	<.1	.1
P39632	Atrazine, dissolved, recoverable (µg/L)	10	9	.05	1.20	<.05	.20
P30234	Bromacil, recoverable (µg/L)	65	11	.2	1.2	<.2	<.2
P30235	Butachlor, recoverable (µg/L)	65	0	.1	<.1	<.1	<.1
P30236	Butylate, recoverable (µg/L)	63	1	.1	.2	<.1	<.1
P39750	Carbaryl, unfiltered, recoverable (µg/L)	89	0	.5	<.5	<.5	<.5
P82615	Carbofuran, total, recoverable (µg/L)	74	0	.5	<.5	<.5	<.5
P30245	Carboxin, recoverable (µg/L)	65	0	.2	<.2	<.2	<.2
P81757	Cyanazine, total (µg/L)	80	0	.1	<.1	<.1	<.1

Table 6. Statistical summary of water-quality data collected at six stations during water years 1990–95—Continued

Parameter no.	Water-quality property or constituent (unit)	No. of samples	No. of detections	Minimum reporting limit	Descriptive statistics		
					Maximum	Minimum	Mean
P30254	Cycloate, recoverable (µg/L)	65	0	0.1	<0.1	<0.1	<0.1
P75981	Deethylatrazine, total (µg/L)	60	9	.2	.4	<.2	<.2
P75980	De-isopropylatrazine, total (µg/L)	60	0	.2	<.2	<.2	<.2
P30264	Hexazinone, recoverable (µg/L)	65	3	.2	1.1	<.2	<.2
P30282	Methiocarb, recoverable (µg/L)	69	0	.5	<.5	<.5	<.5
P39051	Methomyl, total (µg/L)	89	0	.5	<.5	<.5	<.5
P82612	Metolachlor, total, recoverable (µg/L)	80	1	.1	.1	<.1	<.1
P39415	Metolachlor, dissolved (µg/L)	10	0	.05	<.05	<.05	<.05
P82611	Metribuzin, total, recoverable (µg/L)	80	2	.1	.1	<.1	<.1
P82630	Metribuzin, dissolved (µg/L)	10	0	.05	<.05	<.05	<.05
P82613	Oxyamyl, total, recoverable (µg/L)	40	0	.5	<.5	<.5	<.5
P39056	Prometone, total (µg/L)	80	16	.1	1.1	<.1	<.1
P39057	Prometryne, total (µg/L)	80	0	.1	<.1	<.1	<.1
P30295	Propachlor, recoverable (µg/L)	65	4	.1	.2	<.1	<.1
P39024	Propazine, total (µg/L)	80	2	.1	.2	<.1	<.1
P38535	Propazine, dissolved, recoverable (µg/L)	10	0	.05	<.05	<.05	<.05
P39052	Propham, total (µg/L)	89	0	.5	<.5	<.5	<.5
P30296	Propoxur, recoverable (µg/L)	69	1	.5	.7	<.5	<.5
P39055	Simazine, total (µg/L)	80	26	.1	.3	<.1	<.1
P39054	Simetryne, total (µg/L)	80	1	.1	.1	<.1	<.1
P39311	Terbacil, recoverable (µg/L)	65	0	.2	<.2	<.2	<.2
P39030	Trifluralin, total, recoverable (µg/L)	80	0	.1	<.1	<.1	<.1
P30324	Vernolate, recoverable (µg/L)	63	0	.1	<.1	<.1	<.1

Appendix 1—Description of Precipitation Data

Appendix 1. Description of precipitation data

USGS station no.	File name	Period of unit-value data	Frequency	Maximum precipitation intensity (inches/hour)
08073600	p73600_0191.rdb	01-09-91 @0200 to 01-18-91 @1345	15-minute	1.58
	p73600_0291.rdb	02-04-91 @0800 to 02-04-91 @1245	15-minute	1.37
	p73600_0491a.rdb	04-04-91 @1100 to 04-06-91 @0500	15-minute	.46
	p73600_0491b.rdb	04-14-91 @0700 to 04-17-91 @2215	15-minute	2.52
	p73600_1291.rdb	12-21-91 @0600 to 12-26-91 @2245	15-minute	.78
	p73600_0392.rdb	03-04-92 @0100 to 03-06-92 @0130	15-minute	2.84
	p73600_0492.rdb	04-17-92 @1500 to 04-19-92 @2315	15-minute	2.68
	p73600_0592.rdb	05-16-92 @0200 to 05-17-92 @0945	15-minute	1.58
	p73600_0892.rdb	08-02-92 @1700 to 08-03-92 @0215	15-minute	4.10
	p73600_0293.rdb	02-25-93 @0900 to 03-02-93 @0315	15-minute	1.98
	p73600_0393.rdb	03-19-93 @2200 to 03-22-93 @2315	15-minute	1.07
	p73600_0493.rdb	04-03-93 @1200 to 04-07-93 @1515	15-minute	2.46
	p73600_0693.rdb	06-17-93 @1300 to 06-20-93 @1530	15-minute	2.20
	p73600_1093.rdb	10-12-93 @1200 to 10-21-93 @0530	15-minute	1.54
	p73600_1193.rdb	11-13-93 @2100 to 11-16-93 @2015	15-minute	.82
	p73600_0694.rdb	06-17-94 @1600 to 06-24-94 @1830	15-minute	2.52
	p73600_0894.rdb	08-17-94 @1500 to 08-27-94 @1500	15-minute	4.15
	p73600_1094.rdb	10-15-94 @0700 to 10-18-94 @2100	15-minute	2.14
	p73600_0195.rdb	01-12-95 @2000 to 01-26-95 @2030	15-minute	2.67
	p73600_0395.rdb	03-13-95 @0200 to 03-13-95 @0845	15-minute	1.96
p73600_0495.rdb	04-04-95 @0500 to 04-05-95 @1700	15-minute	2.37	
08074020	p74020_1089.rdb	10-29-89 @1300 to 10-30-89 @1630	15-minute	8.99
	p74020_0290.rdb	02-21-90 @0700 to 02-21-90 @1445	15-minute	.64
	p74020_0490.rdb	04-26-90 @1300 to 04-27-90 @2345	15-minute	3.86
	p74020_0191a.rdb	01-01-91 @1000 to 01-10-91 @0945	15-minute	1.47
	p74020_0191b.rdb	01-18-91 @0600 to 01-19-91 @1400	15-minute	1.89
	p74020_0291.rdb	02-04-91 @0800 to 02-04-91 @1800	15-minute	.90
	p74020_0491a.rdb	04-04-91 @0300 to 04-06-91 @1600	15-minute	1.72
	p74020_0491b.rdb	04-14-91 @0700 to 04-14-91 @1430	15-minute	2.03
	p74020_0691.rdb	06-14-91 @1700 to 06-18-91 @2100	15-minute	5.75
	p74020_1191.rdb	11-17-91 @0100 to 11-17-91 @1330	15-minute	2.36
	p74020_1291.rdb	12-21-91 @0000 to 12-26-91 @0545	15-minute	1.10
	p74020_0392.rdb	03-04-92 @0100 to 03-06-92 @0100	15-minute	3.21
	p74020_0492.rdb	04-17-92 @1500 to 04-17-92 @2030	15-minute	1.64
	p74020_0592.rdb	05-16-92 @0300 to 05-18-92 @1830	15-minute	1.93
	p74020_0692.rdb	06-01-92 @1500 to 06-02-92 @0900	15-minute	3.46
	p74020_0293.rdb	02-28-93 @2000 to 03-02-93 @0200	15-minute	2.28
	p74020_0393.rdb	03-22-93 @0400 to 03-22-93 @2315	15-minute	2.99
	p74020_0493a.rdb	04-03-93 @1200 to 04-04-93 @0630	15-minute	2.54
	p74020_0493b.rdb	04-07-93 @1300 to 04-07-93 @1515	15-minute	3.15

Appendix 1. Description of precipitation data—Continued

USGS station no.	File name	Period of unit-value data	Frequency	Maximum precipitation intensity (inches/hour)
	p74020_0693.rdb	06-17-93 @1400 to 06-22-93 @1600	15-minute	1.28
	p74020_1193.rdb	11-13-93 @2300 to 11-16-93 @1315	15-minute	1.00
	p74020_0294.rdb	02-09-94 @1200 to 02-10-94 @1715	15-minute	.60
	p74020_0594.rdb	05-15-94 @0700 to 05-17-94 @1600	15-minute	1.49
	p74020_0694.rdb	06-20-94 @1700 to 06-24-94 @1815	15-minute	3.23
	p74020_0894a.rdb	08-04-94 @1100 to 08-05-94 @1515	15-minute	3.94
	p74020_0894b.rdb	08-15-94 @1700 to 08-23-94 @1200	15-minute	1.28
	p74020_1094.rdb	10-15-94 @0600 to 10-18-94 @2015	15-minute	1.43
	p74020_0195.rdb	01-25-95 @2300 to 01-27-95 @0200	15-minute	.58
	p74020_0395.rdb	03-13-95 @0700 to 03-15-95 @1845	15-minute	2.68
	p74020_0495.rdb	04-04-95 @0600 to 04-05-95 @1745	15-minute	1.16
08074150	p74150_1089.rdb	10-29-89 @1000 to 10-30-89 @1645	15-minute	6.39
	p74150_0290.rdb	02-21-90 @0800 to 02-21-90 @1500	15-minute	.71
	p74150_0490.rdb	04-26-90 @1300 to 04-28-90 @0045	15-minute	1.46
	p74150_0890.rdb	08-14-90 @1900 to 08-15-90 @1945	15-minute	1.89
	p74150_0291.rdb	02-04-91 @0800 to 02-04-91 @1900	15-minute	.62
	p74150_0491a.rdb	04-04-91 @0900 to 04-06-91 @0715	15-minute	.58
	p74150_0491b.rdb	04-14-91 @1700 to 04-19-91 @1645	15-minute	1.79
	p74150_0691.rdb	06-14-91 @1600 to 06-18-91 @2000	15-minute	5.28
	p74150_1191.rdb	11-17-91 @1100 to 11-20-91 @0600	15-minute	.42
	p74150_1291.rdb	12-21-91 @0100 to 12-27-91 @0330	15-minute	.58
	p74150_0392.rdb	03-04-92 @0100 to 03-06-92 @0800	15-minute	2.47
	p74150_0492.rdb	04-17-92 @1500 to 04-20-92 @1815	15-minute	3.54
	p74150_0592.rdb	05-16-92 @0300 to 05-20-92 @2015	15-minute	2.07
	p74150_0692.rdb	05-31-92 @1300 to 06-02-92 @0815	15-minute	3.04
	p74150_0293.rdb	02-28-93 @2000 to 03-02-93 @0215	15-minute	1.87
	p74150_0393.rdb	03-22-93 @1600 to 03-22-93 @2100	15-minute	1.08
	p74150_0493.rdb	04-03-93 @1200 to 04-07-93 @1615	15-minute	3.38
	p74150_0693.rdb	06-17-93 @1400 to 06-21-93 @2130	15-minute	1.75
	p74150_1193.rdb	11-14-93 @0900 to 11-16-93 @1815	15-minute	1.02
	p74150_0294.rdb	02-20-94 @1600 to 02-22-94 @1900	15-minute	3.00
	p74150_0494.rdb	04-30-94 @0200 to 05-03-94 @0215	15-minute	2.62
	p74150_0694.rdb	06-20-94 @1600 to 06-24-94 @1815	15-minute	2.05
	p74150_0894.rdb	08-16-94 @0600 to 08-26-94 @1730	15-minute	3.46
	p74150_1094.rdb	10-15-94 @1000 to 10-18-94 @2015	15-minute	2.36
	p74150_0195.rdb	01-17-95 @2100 to 01-27-95 @0215	15-minute	2.33
	p74150_0395.rdb	03-13-95 @0400 to 03-15-95 @1930	15-minute	3.04
	p74150_0495.rdb	04-04-95 @0500 to 04-10-95 @2115	15-minute	3.62
08074250	p74250_1089.rdb	10-29-89 @0900 to 10-30-89 @1630	15-minute	1.97
	p74250_0290.rdb	02-21-90 @0700 to 02-21-90 @1315	15-minute	.67
	p74250_0490.rdb	04-26-90 @1300 to 04-28-90 @1300	15-minute	2.36

Appendix 1. Description of precipitation data—Continued

USGS station no.	File name	Period of unit-value data	Frequency	Maximum precipitation intensity (inches/hour)
	p74250_0890.rdb	08-14-90 @1900 to 08-15-90 @1815	15-minute	3.02
	p74250_0191.rdb	01-14-91 @1400 to 01-18-91 @1415	15-minute	1.80
	p74250_0291.rdb	02-04-91 @0800 to 02-05-91 @1400	15-minute	1.04
	p74250_0491.rdb	04-10-91 @1300 to 04-17-91 @2215	15-minute	3.35
	p74250_0691.rdb	06-14-91 @1700 to 06-17-91 @2000	15-minute	2.99
	p74250_1191.rdb	11-17-91 @0100 to 11-17-91 @1345	15-minute	2.30
	p74250_1291.rdb	12-21-91 @0100 to 12-27-91 @0830	15-minute	.50
	p74250_0392.rdb	03-04-92 @0100 to 03-06-92 @0315	15-minute	2.15
	p74250_0492.rdb	04-17-92 @1500 to 04-20-92 @0730	15-minute	2.04
	p74250_0592.rdb	05-15-92 @1500 to 05-17-92 @1645	15-minute	.38
	p74250_0293.rdb	02-28-93 @2100 to 03-02-93 @0230	15-minute	1.11
	p74250_0393.rdb	03-19-93 @2200 to 03-22-93 @2245	15-minute	1.34
	p74250_0493.rdb	04-03-93 @1200 to 04-07-93 @1530	15-minute	3.65
	p74250_0693.rdb	06-17-93 @1500 to 06-22-93 @1545	15-minute	3.74
	p74250_1193.rdb	11-14-93 @0800 to 11-16-93 @1330	15-minute	1.45
	p74250_0294.rdb	02-20-94 @1700 to 02-23-94 @0700	15-minute	.92
	p74250_0494.rdb	04-30-94 @0800 to 05-03-94 @0200	15-minute	2.30
	p74250_0694.rdb	06-17-94 @1800 to 06-24-94 @1815	15-minute	2.76
	p74250_0894.rdb	08-17-94 @1700 to 08-23-94 @1215	15-minute	4.10
	p74250_1094.rdb	10-15-94 @0700 to 10-19-94 @0645	15-minute	1.86
	p74250_0195.rdb	01-12-95 @2000 to 01-27-95 @0700	15-minute	2.40
	p74250_0395.rdb	03-13-95 @0400 to 03-16-95 @0015	15-minute	2.32
	p74250_0495.rdb	04-04-95 @0200 to 04-05-95 @1815	15-minute	1.90
08074500	p74500_1089.rdb	10-29-89 @1400 to 11-01-89 @2030	15-minute	3.80
	p74500_0290.rdb	02-21-90 @0700 to 02-21-90 @1445	15-minute	.45
	p74500_0490.rdb	04-26-90 @1300 to 04-28-90 @0745	15-minute	2.30
	p74500_0191.rdb	01-14-91 @1400 to 01-18-91 @1415	15-minute	1.48
	p74500_0291.rdb	02-04-91 @0800 to 02-04-91 @1945	15-minute	7.44
	p74500_0491.rdb	04-10-91 @1400 to 04-19-91 @0630	15-minute	4.69
	p74500_0691.rdb	06-14-91 @1800 to 06-17-91 @1800	15-minute	4.07
	p74500_1191.rdb	11-17-91 @0300 to 11-19-91 @1845	15-minute	8.34
	p74500_1291.rdb	12-21-91 @0600 to 12-30-91 @1500	15-minute	4.71
	p74500_0392.rdb	03-04-92 @0100 to 03-06-92 @0515	15-minute	2.05
	p74500_0592.rdb	05-16-92 @0500 to 05-20-92 @1615	15-minute	1.58
	p74500_0293.rdb	02-25-93 @0900 to 03-02-93 @1345	15-minute	2.41
	p74500_0393.rdb	03-22-93 @1500 to 03-22-93 @2115	15-minute	4.86
	p74500_0493.rdb	04-07-93 @1200 to 04-07-93 @1545	15-minute	1.50
	p74500_0693.rdb	06-17-93 @1400 to 06-23-93 @1615	15-minute	1.58
	p74500_1193.rdb	11-14-93 @0600 to 11-16-93 @1315	15-minute	2.10
	p74500_0294.rdb	02-20-94 @1900 to 02-22-94 @1415	15-minute	.26
	p74500_0694.rdb	06-20-94 @1700 to 06-25-94 @2145	15-minute	2.20

Appendix 1. Description of precipitation data—Continued

USGS station no.	File name	Period of unit-value data	Frequency	Maximum precipitation intensity (inches/hour)
	p74500_0894.rdb	08-15-94 @1800 to 08-22-94 @1730	15-minute	2.70
	p74500_1094.rdb	10-15-94 @1000 to 10-18-94 @2100	15-minute	2.36
	p74500_0195.rdb	01-12-95 @2000 to 01-27-95 @0145	15-minute	2.52
	p74500_0395.rdb	03-13-95 @0400 to 03-15-95 @1930	15-minute	1.94
	p74500_0495.rdb	04-04-95 @0900 to 04-05-95 @1730	15-minute	3.31
08074540	p74540_0191.rdb	01-09-91 @0200 to 01-10-91 @0900	15-minute	2.24
	p74540_0491a.rdb	04-04-91 @1000 to 04-05-91 @2100	15-minute	.58
	p74540_0491b.rdb	04-11-91 @1800 to 04-17-91 @2230	15-minute	1.74
	p74540_0691.rdb	06-15-91 @0500 to 06-17-91 @1315	15-minute	1.43
	p74540_1191.rdb	11-17-91 @0600 to 11-19-91 @1515	15-minute	3.46
	p74540_0392.rdb	03-04-92 @0100 to 03-06-92 @1215	15-minute	1.82
	p74540_0393.rdb	03-22-93 @1500 to 03-23-93 @1915	15-minute	1.75
	p74540_0693.rdb	06-17-93 @1400 to 06-27-93 @2215	15-minute	1.48
	p74540_1093.rdb	10-20-93 @0600 to 10-20-93 @1845	15-minute	2.54
	p74540_0894.rdb	08-15-94 @1800 to 08-17-94 @1830	15-minute	2.68
	p74540_0495.rdb	04-04-95 @0700 to 04-05-95 @1945	15-minute	1.42
08074760	p74760_0191a.rdb	01-09-91 @1100 to 01-10-91 @0945	15-minute	1.42
	p74760_0191b.rdb	01-14-91 @1300 to 01-15-91 @0000	15-minute	2.41
	p74760_0291.rdb	02-04-91 @0800 to 02-04-91 @1800	15-minute	1.64
	p74760_0491a.rdb	04-04-91 @1000 to 04-05-91 @1715	15-minute	1.30
	p74760_0491b.rdb	04-14-91 @0700 to 04-15-91 @1345	15-minute	3.02
	p74760_0292.rdb	02-22-92 @0400 to 02-22-92 @1315	15-minute	4.19
	p74760_0392.rdb	03-04-92 @0100 to 03-06-92 @0145	15-minute	3.10
	p74760_0492.rdb	04-17-92 @1400 to 04-19-92 @2230	15-minute	2.05
	p74760_0592.rdb	05-27-92 @0700 to 06-02-92 @0730	15-minute	3.31
	p74760_1192.rdb	11-19-92 @1300 to 11-21-92 @1645	15-minute	1.97
	p74760_0293.rdb	02-25-93 @0900 to 03-02-93 @0200	15-minute	2.36
	p74760_0393a.rdb	02-28-93 @2100 to 03-02-93 @0200	15-minute	1.34
	p74760_0393b.rdb	03-22-93 @1900 to 03-22-93 @2130	15-minute	2.52
	p74760_0493.rdb	04-03-93 @1200 to 04-07-93 @1745	15-minute	3.40
	p74760_0693.rdb	06-15-93 @1500 to 06-27-93 @1815	15-minute	2.52
	p74760_1093.rdb	10-20-93 @1100 to 10-21-93 @0245	15-minute	2.52
	p74760_1193.rdb	11-13-93 @1400 to 11-17-93 @0315	15-minute	.98
	p74760_0294.rdb	02-09-94 @0900 to 02-10-94 @1645	15-minute	.62
	p74760_0594.rdb	05-13-94 @1500 to 05-17-94 @2045	15-minute	1.12
	p74760_0694a.rdb	06-10-94 @1000 to 06-12-94 @1500	15-minute	3.46
	p74760_0694b.rdb	06-17-94 @1500 to 06-24-94 @1545	15-minute	2.80
	p74760_0994.rdb	09-08-94 @1900 to 09-09-94 @1130	15-minute	4.95
	p74760_1094.rdb	10-15-94 @0300 to 10-18-94 @2045	15-minute	3.36
	p74760_0195a.rdb	01-12-95 @2000 to 01-12-95 @2315	15-minute	3.07
	p74760_0195b.rdb	01-18-95 @0700 to 01-26-95 @2045	15-minute	2.52

Appendix 1. Description of precipitation data—Continued

USGS station no.	File name	Period of unit-value data	Frequency	Maximum precipitation intensity (inches/hour)
	p74760_0195c.rdb	01-25-95 @2100 to 01-26-95 @2045	15-minute	1.30
	p74760_0395.rdb	03-12-95 @0100 to 03-16-95 @0315	15-minute	1.89
	p74760_0495.rdb	04-04-95 @0500 to 04-05-95 @1730	15-minute	1.94
	p74760_0595.rdb	05-27-95 @0800 to 06-01-95 @1015	15-minute	2.92
08074780	p74780_0191a.rdb	01-09-91 @1200 to 01-10-91 @1015	15-minute	1.58
	p74780_0191b.rdb	01-14-91 @1300 to 01-15-91 @0000	15-minute	2.20
	p74780_0291.rdb	02-04-91 @0700 to 02-04-91 @1815	15-minute	1.80
	p74780_0491a.rdb	04-04-91 @0800 to 04-17-91 @2215	15-minute	2.08
	p74780_0491b.rdb	04-14-91 @0800 to 04-17-91 @2215	15-minute	2.08
	p74780_0691.rdb	06-15-91 @0800 to 06-16-91 @1930	15-minute	3.15
	p74780_0292.rdb	02-22-92 @0400 to 02-22-92 @0815	15-minute	4.75
	p74780_0392.rdb	03-04-92 @0100 to 03-06-92 @0100	15-minute	1.99
	p74780_0492.rdb	04-17-92 @1400 to 04-19-92 @2200	15-minute	2.12
	p74780_0592.rdb	05-27-92 @0500 to 06-02-92 @1145	15-minute	3.15
	p74780_1192.rdb	11-19-92 @1700 to 11-21-92 @1500	15-minute	2.14
	p74780_0293.rdb	02-25-93 @1000 to 03-02-93 @0200	15-minute	2.68
	p74780_0393a.rdb	02-28-93 @2000 to 03-02-93 @0200	15-minute	1.96
	p74780_0393b.rdb	03-19-93 @2200 to 03-23-93 @0345	15-minute	1.20
	p74780_0493.rdb	04-03-93 @1600 to 04-04-93 @0600	15-minute	2.36
	p74780_0693.rdb	06-17-93 @1800 to 06-21-93 @1200	15-minute	1.83
	p74780_1093.rdb	10-20-93 @1100 to 10-21-93 @0300	15-minute	2.83
	p74780_1193.rdb	11-16-93 @0100 to 11-16-93 @1245	15-minute	1.02
	p74780_0594.rdb	05-13-94 @1500 to 05-18-94 @1245	15-minute	1.58
	p74780_0694a.rdb	06-10-94 @1500 to 06-10-94 @1915	15-minute	3.20
	p74780_0694b.rdb	06-12-94 @1000 to 06-24-94 @1700	15-minute	2.90
	p74780_0994a.rdb	09-01-94 @0900 to 09-03-94 @1845	15-minute	2.52
	p74780_0994b.rdb	09-08-94 @1900 to 09-10-94 @1445	15-minute	1.89
	p74780_1094.rdb	10-15-94 @0500 to 10-19-94 @0300	15-minute	3.99
	p74780_0195a.rdb	01-12-95 @2000 to 01-12-95 @2300	15-minute	3.53
	p74780_0195b.rdb	01-18-95 @0600 to 01-27-95 @1445	15-minute	1.54
	p74780_0195c.rdb	01-25-95 @2000 to 01-27-95 @1445	15-minute	.60
	p74780_0395.rdb	03-12-95 @1900 to 03-14-95 @1645	15-minute	1.78
	p74780_0495.rdb	04-04-95 @0500 to 04-05-95 @1730	15-minute	1.80
	p74780_0595.rdb	05-27-95 @0800 to 06-01-95 @0315	15-minute	2.03
08074800	p74800_0191a.rdb	01-09-91 @1200 to 01-10-91 @0945	15-minute	2.30
	p74800_0191b.rdb	01-14-91 @1300 to 01-15-91 @0000	15-minute	1.67
	p74800_0291.rdb	02-04-91 @0800 to 02-04-91 @1815	15-minute	1.99
	p74800_0491a.rdb	04-04-91 @0800 to 04-05-91 @1715	15-minute	1.50
	p74800_0491b.rdb	04-14-91 @0700 to 04-17-91 @2215	15-minute	1.75
	p74800_0691.rdb	06-15-91 @0600 to 06-18-91 @2315	15-minute	3.60
	p74800_0292.rdb	02-22-92 @0400 to 02-24-92 @2345	15-minute	1.27

Appendix 1. Description of precipitation data—Continued

USGS station no.	File name	Period of unit-value data	Frequency	Maximum precipitation intensity (inches/hour)
	p74800_0392.rdb	03-04-92 @0100 to 03-05-92 @0100	15-minute	0.60
	p74800_0492.rdb	04-17-92 @1400 to 04-20-92 @2315	15-minute	2.16
	p74800_0592.rdb	05-26-92 @2100 to 06-03-92 @0315	15-minute	2.56
	p74800_1192.rdb	11-19-92 @1400 to 11-22-92 @1500	15-minute	2.31
	p74800_0293.rdb	02-25-93 @1000 to 03-02-93 @0200	15-minute	2.21
	p74800_0393.rdb	03-19-93 @0100 to 03-23-93 @0200	15-minute	.56
	p74800_0493.rdb	04-03-93 @1600 to 04-08-93 @0915	15-minute	1.86
	p74800_0693.rdb	06-17-93 @1600 to 06-23-93 @1530	15-minute	1.49
	p74800_1093.rdb	10-20-93 @1300 to 10-20-93 @1630	15-minute	2.33
	p74800_1193.rdb	11-13-93 @1400 to 11-16-93 @1245	15-minute	2.44
	p74800_0594.rdb	05-13-94 @1800 to 05-18-94 @0115	15-minute	2.24
	p74800_0694a.rdb	06-10-94 @1500 to 06-12-94 @2030	15-minute	2.05
	p74800_0694b.rdb	06-16-94 @1600 to 06-24-94 @1745	15-minute	3.27
	p74800_0994a.rdb	09-01-94 @1600 to 09-04-94 @0515	15-minute	.10
	p74800_0994b.rdb	09-09-94 @0900 to 09-10-94 @1300	15-minute	2.42
	p74800_1094.rdb	10-15-94 @0900 to 10-18-94 @2100	15-minute	5.00
	p74800_0195a.rdb	01-12-95 @2000 to 01-12-95 @2330	15-minute	3.28
	p74800_0195b.rdb	01-18-95 @0500 to 01-27-95 @0745	15-minute	1.38
	p74800_0195c.rdb	01-22-95 @1400 to 01-27-95 @0745	15-minute	.54
	p74800_0395.rdb	03-12-95 @1200 to 03-15-95 @1945	15-minute	2.26
	p74800_0495.rdb	04-04-95 @0500 to 04-10-95 @2100	15-minute	1.06
	p74800_0595.rdb	05-27-95 @0800 to 05-31-95 @0300	15-minute	2.52
08074810	p74810_0191a.rdb	01-09-91 @1200 to 01-12-91 @1915	15-minute	2.27
	p74810_0191b.rdb	01-14-91 @1300 to 01-15-91 @1815	15-minute	1.80
	p74810_0291.rdb	02-04-91 @0800 to 02-04-91 @1800	15-minute	1.12
	p74810_0491a.rdb	04-04-91 @0200 to 04-06-91 @0130	15-minute	1.10
	p74810_0491b.rdb	04-14-91 @0500 to 04-18-91 @0715	15-minute	2.86
	p74810_0292.rdb	02-22-92 @0400 to 02-24-92 @1945	15-minute	3.59
	p74810_0392.rdb	03-04-92 @0100 to 03-04-92 @1600	15-minute	3.03
	p74810_0492.rdb	04-17-92 @1400 to 04-20-92 @0615	15-minute	2.37
	p74810_0592.rdb	05-26-92 @2100 to 06-02-92 @0715	15-minute	1.49
	p74810_0293.rdb	02-25-93 @1000 to 03-02-93 @2030	15-minute	3.20
	p74810_0393.rdb	03-22-93 @1900 to 03-22-93 @2330	15-minute	.98
	p74810_0493.rdb	04-03-93 @1600 to 04-07-93 @2330	15-minute	2.12
	p74810_0693.rdb	06-17-93 @1300 to 06-28-93 @1245	15-minute	2.28
	p74810_1093.rdb	10-20-93 @1200 to 10-21-93 @0330	15-minute	2.89
	p74810_1193.rdb	11-14-93 @0600 to 11-16-93 @1300	15-minute	3.17
	p74810_0594.rdb	05-13-94 @2100 to 05-18-94 @0715	15-minute	2.99
	p74810_0694a.rdb	06-10-94 @1600 to 06-12-94 @2315	15-minute	1.22
	p74810_0694b.rdb	06-18-94 @1600 to 06-23-94 @1500	15-minute	1.93
	p74810_0994.rdb	09-08-94 @2000 to 09-10-94 @1345	15-minute	1.70

Appendix 1. Description of precipitation data—Continued

USGS station no.	File name	Period of unit-value data	Frequency	Maximum precipitation intensity (inches/hour)
	p74810_1094.rdb	10-15-94 @0400 to 10-18-94 @2000	15-minute	4.33
	p74810_0195a.rdb	01-12-95 @2000 to 01-12-95 @2345	15-minute	3.23
	p74810_0195b.rdb	01-18-95 @0600 to 01-27-95 @0145	15-minute	1.35
	p74810_0395.rdb	03-13-95 @0600 to 03-15-95 @1945	15-minute	2.28
	p74810_0495.rdb	04-04-95 @0600 to 04-05-95 @1830	15-minute	.83
	p74810_0595.rdb	05-27-95 @0800 to 06-01-95 @0345	15-minute	2.15
08075000	p75000_0191.rdb	01-14-91 @1300 to 01-18-91 @1415	15-minute	3.24
	p75000_0291.rdb	02-04-91 @0800 to 02-06-91 @1100	15-minute	1.14
	p75000_0491a.rdb	04-04-91 @0200 to 04-11-91 @1900	15-minute	2.47
	p75000_0491b.rdb	04-14-91 @0900 to 04-19-91 @1645	15-minute	3.62
	p75000_0292.rdb	02-22-92 @0400 to 02-24-92 @2045	15-minute	3.97
	p75000_0392.rdb	03-04-92 @0100 to 03-06-92 @1330	15-minute	2.15
	p75000_0492.rdb	04-17-92 @1600 to 04-20-92 @0745	15-minute	2.53
	p75000_0592.rdb	05-26-92 @2200 to 06-02-92 @1230	15-minute	2.02
	p75000_1192.rdb	11-19-92 @1400 to 11-21-92 @1545	15-minute	2.70
	p75000_0293.rdb	02-25-93 @1000 to 03-02-93 @1000	15-minute	2.50
	p75000_0393.rdb	03-19-93 @2300 to 03-23-93 @0600	15-minute	1.60
	p75000_0693.rdb	06-17-93 @1300 to 06-27-93 @1830	15-minute	2.84
	p75000_1093.rdb	10-20-93 @1100 to 10-21-93 @0500	15-minute	3.94
	p75000_1193.rdb	11-13-93 @2100 to 11-16-93 @1345	15-minute	4.10
	p75000_0594.rdb	05-13-94 @1800 to 05-18-94 @0630	15-minute	.66
	p75000_0694.rdb	06-10-94 @1500 to 06-25-94 @1815	15-minute	2.20
	p75000_0994.rdb	09-01-94 @0800 to 09-09-94 @1300	15-minute	1.10
	p75000_1094.rdb	10-15-94 @1200 to 10-18-94 @1445	15-minute	3.36
	p75000_0195a.rdb	01-12-95 @2100 to 01-15-95 @0015	15-minute	.96
	p75000_0195b.rdb	01-22-95 @1400 to 01-27-95 @0730	15-minute	2.32
	p75000_0395.rdb	03-07-95 @0400 to 03-16-95 @0445	15-minute	2.30
	p75000_0495.rdb	03-27-95 @0200 to 04-05-95 @1800	15-minute	1.18
	p75000_0595.rdb	05-27-95 @0800 to 06-01-95 @1145	15-minute	2.20
08075400	p75400_0191a.rdb	01-09-91 @0100 to 01-10-91 @1015	15-minute	2.50
	p75400_0191b.rdb	01-14-91 @1500 to 01-15-91 @0000	15-minute	3.61
	p75400_0291.rdb	02-04-91 @0800 to 02-05-91 @0500	15-minute	1.63
	p75400_0491.rdb	04-04-91 @0100 to 04-06-91 @0745	15-minute	1.02
	p75400_0192.rdb	01-17-92 @0900 to 01-22-92 @0000	15-minute	1.16
	p75400_0292a.rdb	02-02-92 @1800 to 02-05-92 @0145	15-minute	.50
	p75400_0292b.rdb	02-22-92 @0400 to 02-24-92 @2115	15-minute	3.97
	p75400_0492.rdb	04-17-92 @2000 to 04-22-92 @2015	15-minute	4.27
	p75400_0592.rdb	05-26-92 @2100 to 06-03-92 @1200	15-minute	3.62
	p75400_0193.rdb	01-07-93 @0100 to 01-09-93 @2215	15-minute	1.95
	p75400_0293.rdb	02-25-93 @1100 to 03-02-93 @0515	15-minute	3.88
	p75400_0493.rdb	04-03-93 @1600 to 04-08-93 @0915	15-minute	3.01

Appendix 1. Description of precipitation data—Continued

USGS station no.	File name	Period of unit-value data	Frequency	Maximum precipitation intensity (inches/hour)
	p75400_0693.rdb	06-17-93 @1300 to 06-23-93 @1430	15-minute	1.82
	p75400_1093.rdb	10-20-93 @1200 to 10-20-93 @2315	15-minute	1.89
	p75400_0694.rdb	06-18-94 @1600 to 06-25-94 @1815	15-minute	3.62
	p75400_1094.rdb	10-15-94 @1300 to 10-22-94 @1530	15-minute	.22
	p75400_0395.rdb	03-13-95 @0400 to 03-15-95 @1945	15-minute	1.76
	p75400_0495.rdb	04-04-95 @0700 to 04-06-95 @0300	15-minute	1.02
	p75400_0595.rdb	05-27-95 @0800 to 06-01-95 @0815	15-minute	1.14
08075500	p75500_0191.rdb	01-09-91 @0200 to 01-15-91 @1900	15-minute	3.52
	p75500_0291.rdb	02-04-91 @0800 to 02-12-91 @1515	15-minute	1.37
	p75500_0491.rdb	04-04-91 @1000 to 04-06-91 @0630	15-minute	1.73
	p75500_0192.rdb	01-17-92 @0900 to 01-22-92 @0015	15-minute	1.65
	p75500_0292a.rdb	02-03-92 @0300 to 02-05-92 @0145	15-minute	.58
	p75500_0292b.rdb	02-22-92 @0400 to 02-26-92 @0730	15-minute	2.74
	p75500_0592.rdb	05-26-92 @2200 to 06-01-92 @1430	15-minute	11.97
	p75500_0193.rdb	01-04-93 @1000 to 01-10-93 @0045	15-minute	1.43
	p75500_0293.rdb	02-25-93 @1100 to 03-02-93 @0515	15-minute	1.84
	p75500_0493.rdb	04-03-93 @1300 to 04-08-93 @0100	15-minute	1.46
	p75500_0693.rdb	06-18-93 @0600 to 06-26-93 @0330	15-minute	.82
	p75500_1093.rdb	10-20-93 @1100 to 10-21-93 @0230	15-minute	4.49
	p75500_1193.rdb	11-14-93 @0500 to 11-16-93 @1415	15-minute	2.78
	p75500_0494.rdb	04-30-94 @0900 to 05-17-94 @0215	15-minute	2.68
	p75500_0694.rdb	06-20-94 @1600 to 06-24-94 @1700	15-minute	.94
	p75500_1094.rdb	10-15-94 @1000 to 10-18-94 @2200	15-minute	3.90
	p75500_0395.rdb	03-12-95 @2300 to 03-13-95 @1045	15-minute	1.93
	p75500_0495.rdb	04-04-95 @0800 to 04-05-95 @1845	15-minute	.92
08075650	p75650_0492.rdb	04-05-92 @0700 to 04-05-92 @1730	15-minute	.83
	p75650_0592.rdb	05-26-92 @2200 to 05-29-92 @0900	15-minute	2.79
	p75650_0692.rdb	06-01-92 @1400 to 06-02-92 @1030	15-minute	3.46
	p75650_0293.rdb	02-25-93 @1100 to 03-02-93 @0515	15-minute	1.62
	p75650_0393.rdb	03-19-93 @2300 to 03-22-93 @2200	15-minute	1.42
	p75650_0493.rdb	04-03-93 @1800 to 04-07-93 @2300	15-minute	2.99
	p75650_1093.rdb	10-19-93 @1200 to 10-21-93 @0630	15-minute	4.02
	p75650_1193.rdb	11-08-93 @1100 to 11-16-93 @1500	15-minute	2.81
	p75650_0194.rdb	01-25-94 @0100 to 01-27-94 @1130	15-minute	.84
	p75650_1094.rdb	10-15-94 @0900 to 10-18-94 @2000	15-minute	3.48
	p75650_0495.rdb	04-04-95 @0700 to 04-05-95 @1845	15-minute	1.10
	p75650_0595.rdb	05-29-95 @0500 to 06-01-95 @0645	15-minute	1.63
08075730	p75730_1089.rdb	10-29-89 @1200 to 11-01-89 @2315	15-minute	1.99
	p75730_0490.rdb	04-26-90 @1400 to 04-28-90 @0815	15-minute	2.23
	p75730_0890.rdb	08-15-90 @1600 to 08-15-90 @1745	15-minute	2.83
	p75730_0191.rdb	01-14-91 @2000 to 01-18-91 @0230	15-minute	1.60

Appendix 1. Description of precipitation data—Continued

USGS station no.	File name	Period of unit-value data	Frequency	Maximum precipitation intensity (inches/hour)
	p75730_0291.rdb	02-04-91 @0800 to 02-04-91 @1900	15-minute	1.96
	p75730_0491.rdb	04-04-91 @1000 to 04-05-91 @1515	15-minute	2.11
	p75730_0591.rdb	05-29-91 @1100 to 05-29-91 @1145	15-minute	1.86
	p75730_1291.rdb	12-18-91 @2000 to 12-31-91 @1430	15-minute	.09
	p75730_0492.rdb	04-17-92 @1900 to 04-19-92 @2230	15-minute	2.78
	p75730_0592.rdb	05-26-92 @2200 to 05-28-92 @2115	15-minute	3.04
	p75730_0692.rdb	05-31-92 @1400 to 06-06-92 @1415	15-minute	1.92
	p75730_0293.rdb	02-25-93 @1100 to 03-01-93 @1930	15-minute	1.54
	p75730_0793.rdb	07-15-93 @1300 to 07-19-93 @1530	15-minute	2.05
	p75730_1093.rdb	10-19-93 @1300 to 10-20-93 @2245	15-minute	1.50
	p75730_1193.rdb	11-14-93 @0600 to 11-16-93 @1415	15-minute	1.52
	p75730_0194.rdb	01-25-94 @0200 to 01-29-94 @1200	15-minute	1.05
	p75730_1094.rdb	10-15-94 @0900 to 10-18-94 @2000	15-minute	4.88
	p75730_0495.rdb	04-04-95 @0800 to 04-05-95 @1845	15-minute	1.01
	p75730_0595.rdb	05-27-95 @0900 to 06-01-95 @1430	15-minute	3.07
08075770	p75770_0390.rdb	03-28-90 @0800 to 04-02-90 @1500	15-minute	1.59
	p75770_0490.rdb	04-26-90 @1300 to 04-27-90 @2145	15-minute	2.47
	p75770_0790.rdb	07-05-90 @0900 to 07-07-90 @1145	15-minute	2.68
	p75770_0191a.rdb	01-09-91 @1200 to 01-10-91 @1030	15-minute	2.36
	p75770_0191b.rdb	01-14-91 @1600 to 01-19-91 @0200	15-minute	1.66
	p75770_0491a.rdb	04-04-91 @1000 to 04-05-91 @1500	15-minute	1.01
	p75770_0491b.rdb	04-14-91 @0800 to 04-17-91 @0030	15-minute	2.60
	p75770_1291.rdb	12-21-91 @0100 to 12-27-91 @1515	15-minute	.95
	p75770_0592.rdb	05-27-92 @0600 to 05-28-92 @2030	15-minute	2.55
	p75770_0692.rdb	05-31-92 @1300 to 06-06-92 @1415	15-minute	2.20
	p75770_0293.rdb	02-25-93 @1000 to 03-02-93 @1115	15-minute	2.07
	p75770_0393.rdb	03-19-93 @2300 to 03-23-93 @0215	15-minute	3.22
	p75770_1093.rdb	10-20-93 @1200 to 10-21-93 @0400	15-minute	4.41
	p75770_1193.rdb	11-14-93 @0900 to 11-16-93 @1345	15-minute	2.07
	p75770_0594.rdb	05-13-94 @1800 to 05-17-94 @2100	15-minute	1.67
	p75770_1094.rdb	10-15-94 @0900 to 10-19-94 @0215	15-minute	2.99
	p75770_0195.rdb	01-18-95 @0800 to 01-27-95 @0900	15-minute	2.72
	p75770_0495.rdb	03-29-95 @0800 to 04-05-95 @1730	15-minute	1.63
	p75770_0595.rdb	05-29-95 @0700 to 06-01-95 @1030	15-minute	1.11
08075780	p75780_1089.rdb	10-29-89 @0900 to 11-01-89 @1000	15-minute	.20
	p75780_0290.rdb	02-21-90 @0800 to 02-21-90 @1445	15-minute	2.26
	p75780_0390.rdb	03-28-90 @1000 to 03-30-90 @1200	15-minute	1.34
	p75780_0490.rdb	04-26-90 @1300 to 04-27-90 @2145	15-minute	2.76
	p75780_0191a.rdb	12-31-90 @1800 to 01-10-91 @1015	15-minute	1.50
	p75780_0191b.rdb	01-14-91 @1400 to 01-15-91 @0015	15-minute	1.35
	p75780_0191c.rdb	01-18-91 @0600 to 01-18-91 @1345	15-minute	1.48

Appendix 1. Description of precipitation data—Continued

USGS station no.	File name	Period of unit-value data	Frequency	Maximum precipitation intensity (inches/hour)
	p75780_0291.rdb	02-04-91 @0800 to 02-05-91 @0530	15-minute	0.52
	p75780_0491a.rdb	04-04-91 @0300 to 04-06-91 @0730	15-minute	1.87
	p75780_0491b.rdb	04-14-91 @0700 to 04-15-91 @0645	15-minute	1.82
	p75780_0691.rdb	06-14-91 @1600 to 06-18-91 @2045	15-minute	2.18
	p75780_1191.rdb	11-17-91 @0400 to 11-19-91 @1500	15-minute	2.43
	p75780_1291.rdb	12-17-91 @0800 to 12-23-91 @0100	15-minute	.63
	p75780_0392.rdb	03-04-92 @0100 to 03-06-92 @1015	15-minute	1.08
	p75780_0492.rdb	04-17-92 @1300 to 04-19-92 @2115	15-minute	2.64
	p75780_0592.rdb	05-16-92 @0400 to 05-20-92 @1645	15-minute	2.08
	p75780_0692.rdb	06-01-92 @0400 to 06-02-92 @0715	15-minute	2.52
	p75780_0293.rdb	02-25-93 @0900 to 03-02-93 @0230	15-minute	2.22
	p75780_0393a.rdb	02-28-93 @2000 to 03-02-93 @0230	15-minute	1.22
	p75780_0393b.rdb	03-19-93 @2200 to 03-22-93 @2130	15-minute	1.52
	p75780_0493.rdb	04-03-93 @1200 to 04-07-93 @2200	15-minute	3.31
	p75780_0593.rdb	05-23-93 @1100 to 05-30-93 @1915	15-minute	1.82
	p75780_0693.rdb	06-17-93 @1800 to 06-26-93 @1615	15-minute	1.14
	p75780_1093.rdb	10-19-93 @1200 to 10-21-93 @0330	15-minute	.92
	p75780_1193.rdb	11-13-93 @1100 to 11-16-93 @1245	15-minute	1.01
	p75780_0194.rdb	01-25-94 @1100 to 01-29-94 @1630	15-minute	1.55
	p75780_0294a.rdb	02-09-94 @1100 to 02-10-94 @1800	15-minute	1.52
	p75780_0294b.rdb	02-20-94 @1600 to 02-23-94 @0700	15-minute	1.10
	p75780_0594.rdb	05-13-94 @0800 to 05-17-94 @1600	15-minute	3.07
	p75780_0694.rdb	06-18-94 @1600 to 06-24-94 @1800	15-minute	1.34
	p75780_0894.rdb	08-15-94 @1700 to 08-22-94 @1345	15-minute	1.46
	p75780_1094.rdb	10-15-94 @0300 to 10-18-94 @2345	15-minute	2.52
	p75780_0195a.rdb	01-12-95 @2000 to 01-27-95 @0700	15-minute	.99
	p75780_0195b.rdb	01-22-95 @1400 to 01-27-95 @0700	15-minute	.99
	p75780_0395.rdb	03-12-95 @1900 to 03-17-95 @0715	15-minute	1.26
	p75780_0495.rdb	04-04-95 @0700 to 04-05-95 @1745	15-minute	.71
	p75780_0595.rdb	05-27-95 @0800 to 06-02-95 @1830	15-minute	1.43
08076000	p76000_0290.rdb	02-21-90 @1000 to 02-21-90 @1500	15-minute	.79
	p76000_0390.rdb	03-28-90 @0900 to 03-30-90 @1230	15-minute	2.34
	p76000_0490.rdb	04-26-90 @1300 to 04-28-90 @0700	15-minute	2.20
	p76000_0191a.rdb	12-30-90 @0900 to 01-10-91 @1600	15-minute	3.59
	p76000_0191b.rdb	01-14-91 @1400 to 01-19-91 @0030	15-minute	1.22
	p76000_0291.rdb	02-04-91 @0800 to 02-05-91 @0330	15-minute	1.26
	p76000_0491.rdb	04-04-91 @1000 to 04-19-91 @1745	15-minute	.67
	p76000_0691.rdb	06-13-91 @1400 to 06-16-91 @1900	15-minute	2.08
	p76000_1191.rdb	11-17-91 @0600 to 11-19-91 @1730	15-minute	2.84
	p76000_1291.rdb	12-17-91 @0900 to 12-22-91 @1930	15-minute	.96
	p76000_0392.rdb	03-04-92 @0100 to 03-09-92 @1645	15-minute	2.96

Appendix 1. Description of precipitation data—Continued

USGS station no.	File name	Period of unit-value data	Frequency	Maximum precipitation intensity (inches/hour)
	p76000_0293.rdb	02-25-93 @0900 to 03-02-93 @0215	15-minute	1.82
	p76000_0393.rdb	03-22-93 @1400 to 03-22-93 @2115	15-minute	1.46
	p76000_0493.rdb	04-03-93 @1200 to 04-07-93 @1830	15-minute	3.07
	p76000_0693.rdb	06-15-93 @2300 to 06-18-93 @1330	15-minute	.19
	p76000_1093.rdb	10-19-93 @1600 to 10-21-93 @0400	15-minute	1.06
	p76000_1193.rdb	11-13-93 @1500 to 11-16-93 @1315	15-minute	3.33
	p76000_0594.rdb	05-13-94 @1800 to 05-17-94 @1915	15-minute	4.41
	p76000_0894.rdb	08-17-94 @1700 to 08-17-94 @1815	15-minute	1.29
	p76000_1094.rdb	10-15-94 @0400 to 10-19-94 @1900	15-minute	1.09
	p76000_0195.rdb	01-22-95 @1400 to 01-27-95 @0130	15-minute	.75
	p76000_0395.rdb	03-13-95 @0200 to 03-16-95 @1715	15-minute	1.94
	p76000_0495.rdb	04-04-95 @0400 to 04-10-95 @2215	15-minute	1.30
08076180	p76180_0390.rdb	03-28-90 @0900 to 04-01-90 @1645	15-minute	2.26
	p76180_0490.rdb	04-26-90 @1300 to 04-27-90 @2115	15-minute	3.31
	p76180_0590.rdb	05-03-90 @1500 to 05-03-90 @1845	15-minute	1.97
	p76180_0191.rdb	01-06-91 @0800 to 01-18-91 @1500	15-minute	2.83
	p76180_0291.rdb	02-04-91 @0800 to 02-04-91 @1900	15-minute	1.05
	p76180_0491.rdb	04-04-91 @1200 to 04-19-91 @1730	15-minute	1.42
	p76180_0691.rdb	06-13-91 @1300 to 06-21-91 @1915	15-minute	2.05
	p76180_1191.rdb	11-17-91 @0400 to 11-19-91 @1730	15-minute	2.53
	p76180_1291.rdb	12-17-91 @0700 to 12-27-91 @1215	15-minute	1.03
	p76180_0392.rdb	03-04-92 @0100 to 03-04-92 @1630	15-minute	4.72
	p76180_0592.rdb	05-27-92 @0800 to 06-06-92 @1330	15-minute	2.21
	p76180_0293.rdb	02-25-93 @0900 to 03-01-93 @1900	15-minute	1.44
	p76180_0393.rdb	03-22-93 @1600 to 03-22-93 @2245	15-minute	1.38
	p76180_0493.rdb	04-03-93 @1200 to 04-07-93 @1830	15-minute	3.01
	p76180_0693.rdb	06-15-93 @2300 to 06-28-93 @1515	15-minute	2.78
	p76180_1093.rdb	10-20-93 @1200 to 10-21-93 @0530	15-minute	2.60
	p76180_1193.rdb	11-13-93 @1100 to 11-16-93 @1330	15-minute	4.25
	p76180_0594a.rdb	05-13-94 @0800 to 05-16-94 @0430	15-minute	4.25
	p76180_0594b.rdb	05-28-94 @1400 to 06-03-94 @1300	15-minute	1.60
	p76180_1095.rdb	10-15-94 @1000 to 10-10-94 @0130	15-minute	4.57
	p76180_0195.rdb	01-22-95 @1400 to 01-27-95 @0130	15-minute	.84
	p76180_0395.rdb	03-13-95 @0700 to 03-16-95 @1630	15-minute	1.74
	p76180_0495.rdb	04-04-95 @0800 to 04-11-95 @0930	15-minute	1.59
08076500	p76500_1089.rdb	10-29-89 @0800 to 11-01-89 @1700	15-minute	1.76
	p76500_0390.rdb	03-28-90 @0900 to 04-01-90 @1645	15-minute	2.36
	p76500_0490.rdb	04-26-90 @1300 to 04-28-90 @0500	15-minute	2.52
	p76500_0191.rdb	01-14-91 @0900 to 01-19-91 @0045	15-minute	2.00
	p76500_0291.rdb	02-04-91 @0800 to 02-04-91 @1845	15-minute	.68
	p76500_0491.rdb	04-04-91 @0900 to 04-18-91 @2330	15-minute	2.33

Appendix 1. Description of precipitation data—Continued

USGS station no.	File name	Period of unit-value data	Frequency	Maximum precipitation intensity (inches/hour)
	p76500_0591.rdb	05-15-91 @1400 to 05-18-91 @2145	15-minute	2.06
	p76500_0691.rdb	06-11-91 @1900 to 06-18-91 @2015	15-minute	2.68
	p76500_1191.rdb	11-17-91 @0400 to 11-19-91 @1745	15-minute	3.20
	p76500_1291.rdb	12-21-91 @0500 to 12-22-91 @1830	15-minute	.60
	p76500_0392.rdb	03-04-92 @0100 to 03-06-92 @0115	15-minute	3.01
	p76500_0492.rdb	04-17-92 @1200 to 04-19-92 @2300	15-minute	2.30
	p76500_0293.rdb	02-25-93 @0900 to 03-02-93 @0200	15-minute	2.06
	p76500_0393.rdb	03-19-93 @2200 to 03-22-93 @2115	15-minute	1.32
	p76500_0493.rdb	04-03-93 @1200 to 04-07-93 @1815	15-minute	2.38
	p76500_0693.rdb	06-17-93 @1100 to 06-26-93 @1400	15-minute	1.19
	p76500_1093.rdb	10-20-93 @1200 to 10-21-93 @0330	15-minute	1.70
	p76500_1193.rdb	11-13-93 @1400 to 11-16-93 @2045	15-minute	4.47
	p76500_0594.rdb	05-13-94 @1800 to 05-17-94 @1545	15-minute	4.72
	p76500_0894.rdb	08-15-94 @1800 to 08-17-94 @1830	15-minute	1.89
	p76500_1094.rdb	10-15-94 @0900 to 10-18-94 @1945	15-minute	1.92
	p76500_0195.rdb	01-22-95 @1400 to 01-26-95 @2200	15-minute	2.31
	p76500_0395.rdb	03-12-95 @2300 to 03-16-95 @1615	15-minute	1.73
	p76500_0495.rdb	04-04-95 @0800 to 04-11-95 @0415	15-minute	1.18
08076700	p76700_0191.rdb	01-09-91 @1300 to 01-18-91 @1430	15-minute	2.41
	p76700_0291.rdb	02-04-91 @0900 to 02-05-91 @1215	15-minute	1.38
	p76700_0691.rdb	06-11-91 @1900 to 06-18-91 @2015	15-minute	2.37
	p76700_0293.rdb	02-25-93 @1000 to 03-02-93 @0215	15-minute	2.16
	p76700_0493.rdb	04-03-93 @1200 to 04-07-93 @2145	15-minute	2.21
	p76700_0693.rdb	06-17-93 @0700 to 06-26-93 @1330	15-minute	2.04
	p76700_1093.rdb	10-20-93 @1200 to 10-21-93 @0330	15-minute	6.14
	p76700_1193.rdb	11-13-93 @1500 to 11-16-93 @1400	15-minute	2.09
	p76700_0594.rdb	05-15-94 @0700 to 05-16-94 @0200	15-minute	4.72
	p76700_1094.rdb	10-15-94 @1000 to 10-19-94 @1145	15-minute	2.83
	p76700_0195.rdb	01-18-95 @0800 to 01-26-95 @1630	15-minute	2.18
	p76700_0395.rdb	03-13-95 @0700 to 03-16-95 @1730	15-minute	1.73
	p76700_0495.rdb	04-04-95 @0900 to 04-04-95 @1515	15-minute	.53

Appendix 2—Description of Surface-Water Data

Appendix 2. Description of surface-water data

USGS station no.	File name	Period of unit-value data (gage height and (or) discharge	Frequency	Maximum gage height (feet above datum)	Maximum discharge (cubic feet/second)	Comments
08073700	quv73700_0191.rdb	01-09-91 @ 1200 to 01-20-91 @ 1300	15-minute		2,540	
	quv73700_0291.rdb	02-04-91 @ 0800 to 02-06-91 @ 1100	15-minute		2,440	
	quv73700_0491a.rdb	04-04-91 @ 0800 to 04-08-91 @ 1200	15-minute		2,580	
	quv73700_0491b.rdb	04-14-91 @ 0800 to 04-17-91 @ 1000	15-minute		2,560	
	quv73700_1291.rdb	12-21-91 @ 0600 to 12-26-91 @ 0600	15-minute		3,710	
	quv73700_0392.rdb	03-03-92 @ 1200 to 03-09-92 @ 1800	15-minute		7,500	
	quv73700_0492.rdb	04-13-92 @ 1000 to 04-20-92 @ 1300	15-minute		4,120	
	quv73700_0892.rdb	08-02-92 @ 1800 to 08-04-92 @ 0900	15-minute		3,560	
	quv73700_0293.rdb	02-25-93 @ 0800 to 03-03-93 @ 1200	15-minute		3,860	
	quv73700_0393.rdb	03-19-93 @ 1000 to 03-29-93 @ 1100	15-minute		3,350	
	quv73700_0693.rdb	06-19-93 @ 0500 to 06-23-93 @ 1000	15-minute		4,550	
	quv73700_1093.rdb	10-20-93 @ 0900 to 10-27-93 @ 2000	15-minute		2,080	
	quv73700_1193.rdb	11-13-93 @ 1000 to 11-24-93 @ 1000	15-minute		2,330	
	quv73700_0694.rdb	06-17-94 @ 1000 to 06-30-94 @ 0800	15-minute		2,320	
	quv73700_0894.rdb	08-21-94 @ 1000 to 08-27-94 @ 1000	15-minute		2,570	
	quv73700_1094.rdb	10-15-94 @ 0700 to 10-22-94 @ 1300	15-minute		4,940	
	quv73700_0195.rdb	01-26-95 @ 0200 to 02-05-95 @ 2300	15-minute		3,110	
quv73700_0395.rdb	03-13-95 @ 0500 to 03-16-95 @ 1100	15-minute		2,310		
quv73700_0495.rdb	04-03-95 @ 1200 to 04-07-95 @ 1000	15-minute		3,550		
08074000	quv74000_0191.rdb	01-09-91 @ 1200 to 01-21-91 @ 1200	60-minute		4,630	
	quv74000_0291.rdb	02-04-91 @ 0800 to 02-06-91 @ 1700	60-minute		4,170	
	quv74000_0491a.rdb	04-04-91 @ 1200 to 04-08-91 @ 1200	60-minute		4,840	
	quv74000_0491b.rdb	04-14-91 @ 0800 to 04-17-91 @ 1200	60-minute		4,480	
	quv74000_1291.rdb	12-21-91 @ 0500 to 12-26-91 @ 0700	60-minute		5,220	
	quv74000_0392.rdb	03-03-92 @ 2100 to 03-09-92 @ 1800	60-minute		12,500	No data 03-04 @ 1300-1600
	quv74000_0492.rdb	04-13-92 @ 1700 to 04-19-92 @ 2000	60-minute		6,120	
	quv74000_0592.rdb	05-16-92 @ 0500 to 05-19-92 @ 1700	60-minute		5,390	
	quv74000_0293.rdb	02-25-93 @ 0800 to 03-03-93 @ 1700	15-minute		6,710	No data 02-25 @ 0900-1330
	quv74000_0393.rdb	03-19-93 @ 2200 to 03-31-93 @ 1700	15-minute		6,570	No data 03-23 @ 0715-2100; 03-30 @ 1515 to 03-31 @ 1600
	quv74000_0493.rdb	04-07-93 @ 1100 to 04-15-93 @ 1700	15-minute		4,220	
	quv74000_0693.rdb	06-19-93 @ 1000 to 06-23-93 @ 2300	15-minute		6,610	No data 06-22 @ 1215 to 06-23 @ 1330
	quv74000_1093.rdb	10-20-93 @ 1100 to 10-26-93 @ 1700	15-minute		4,400	
	quv74000_1193.rdb	11-13-93 @ 1600 to 11-24-93 @ 1500	15-minute		5,890	
	quv74000_0694.rdb	06-20-94 @ 1930 to 06-30-94 @ 1100	15-minute		2,720	
	quv74000_0894.rdb	08-21-94 @ 1100 to 08-27-94 @ 1100	15-minute		3,580	No data 08-23 @ 1715 to 08-25 @ 1445
	quv74000_1094.rdb	10-15-94 @ 1915 to 10-22-94 @ 2145	15-minute		8,450	
quv74000_0195.rdb	01-26-95 @ 0900 to 02-06-95 @ 1200	15-minute		5,540		
quv74000_0395.rdb	03-13-95 @ 0400 to 03-16-95 @ 2000	15-minute		4,240		
quv74000_0495.rdb	04-04-95 @ 0000 to 04-07-95 @ 1600	15-minute		5,050		

Appendix 2. Description of surface-water data—Continued

USGS station no.	File name	Period of unit-value data (gage height and (or) discharge	Fre- quency	Maximum gage height (feet above datum)	Maximum discharge (cubic feet/ second)	Comments	
08074020	quv74020_1089.rdb	10–29–89 @ 1200 to 10–30–89 @ 0600	30-minute		1,940		
	quv74020_0290.rdb	02–21–90 @ 0900 to 02–22–90 @ 1000	30-minute		3,420		
	quv74020_0490.rdb	04–26–90 @ 1200 to 04–28–90 @ 2000	30-minute		1,260		
	quv74020_0191a.rdb	01–09–91 @ 1400 to 01–11–91 @ 0400	30-minute		1,350		
	quv74020_0191b.rdb	01–18–91 @ 0700 to 01–19–91 @ 0800	30-minute		2,320		
	quv74020_0291.rdb	02–04–91 @ 1100 to 02–05–91 @ 0900	30-minute		2,120		
	quv74020_0491a.rdb	04–04–91 @ 1200 to 04–07–91 @ 0100	30-minute		2,480		
	quv74020_0491b.rdb	04–14–91 @ 0700 to 04–16–91 @ 0300	30-minute		4,440		
	quv74020_1191.rdb	11–17–91 @ 0700 to 11–18–91 @ 1800	30-minute		3,180		
	quv74020_1291.rdb	12–21–91 @ 0700 to 12–27–91 @ 2200	30-minute		3,930		
	quv74020_0492.rdb	04–17–92 @ 1500 to 04–18–92 @ 2200	30-minute		3,020		
	quv74020_0592.rdb	05–16–92 @ 1100 to 05–18–92 @ 0400	30-minute		2,640		
	quv74020_0692.rdb	06–01–92 @ 1500 to 06–03–92 @ 1700	30-minute		2,930		
	quv74020_0393a.rdb	03–01–93 @ 0900 to 03–03–93 @ 0300	30-minute		4,520		
	quv74020_0393b.rdb	03–22–93 @ 1600 to 03–23–93 @ 2300	30-minute		2,280		
	quv74020_0493.rdb	04–03–93 @ 1100 to 04–05–93 @ 0900	30-minute		2,200		
	quv74020_0693.rdb	06–19–93 @ 1400 to 06–23–93 @ 0300	30-minute		2,990		
	quv74020_1193.rdb	11–16–93 @ 0800 to 11–17–93 @ 0600	30-minute		1,470		
	quv74020_0294.rdb	02–10–94 @ 0800 to 02–11–94 @ 0600	30-minute		1,800		
	quv74020_0594.rdb	05–16–94 @ 0000 to 05–16–94 @ 1130	30-minute		1,890	No data after 05–16 @ 1130	
	quv74020_0694.rdb	06–23–94 @ 1200 to 06–25–94 @ 0300	30-minute		1,380		
	quv74020_0894.rdb	08–05–94 @ 1200 to 08–06–94 @ 0900	30-minute		1,380		
	quv74020_1094.rdb	10–17–94 @ 0800 to 10–19–94 @ 1500	30-minute		3,980		
	quv74020_0195.rdb	01–26–95 @ 1500 to 01–27–95 @ 1800	30-minute		1,430		
	quv74020_0495.rdb	04–04–95 @ 0700 to 04–05–95 @ 0600	30-minute		1,320		
	08074150	quv74150_1089.rdb	10–29–89 @ 1200 to 10–31–89 @ 1500	30-minute		1,120	
		quv74150_0290.rdb	02–21–90 @ 0900 to 02–24–90 @ 0300	30-minute		515	
quv74150_0490.rdb		04–26–90 @ 0600 to 04–29–90 @ 1900	30-minute		325		
quv74150_0890.rdb		08–14–90 @ 1900 to 08–17–90 @ 0100	30-minute		537		
quv74150_0291.rdb		02–04–91 @ 0900 to 02–08–91 @ 0300	30-minute		505		
quv74150_0491a.rdb		04–04–91 @ 0800 to 04–08–91 @ 0100	30-minute		635		
quv74150_0491b.rdb		04–14–91 @ 0700 to 04–17–91 @ 1500	30-minute		813		
quv74150_0691.rdb		06–14–91 @ 1600 to 06–19–91 @ 2200	30-minute		1,180		
quv74150_0392.rdb		03–04–92 @ 0000 to 03–08–92 @ 0500	30-minute		2,780		
quv74150_0492.rdb		04–17–92 @ 0700 to 04–19–92 @ 2000	30-minute		784		
quv74150_0692.rdb		06–01–92 @ 1400 to 06–04–92 @ 2300	30-minute		851		
quv74150_0393.rdb		03–01–93 @ 0700 to 03–04–93 @ 0700	30-minute		954		
quv74150_0493.rdb		04–03–93 @ 1000 to 04–10–93 @ 0800	30-minute		620		
quv74150_0693.rdb		06–17–93 @ 1500 to 06–23–93 @ 2100	30-minute		732		
quv74150_1193.rdb		11–16–93 @ 0200 to 11–18–93 @ 2000	30-minute		387		
quv74150_0494.rdb		04–30–94 @ 0200 to 05–04–94 @ 0800	30-minute		537		

Appendix 2. Description of surface-water data—Continued

USGS station no.	File name	Period of unit-value data (gage height and (or) discharge	Frequency	Maximum gage height (feet above datum)	Maximum discharge (cubic feet/second)	Comments
	quv74150_0694.rdb	06–20–94 @ 1500 to 06–27–94 @0800	30-minute		499	
	quv74150_0894a.rdb	08–16–94 @ 1400 to 08–20–94 @ 2200	30-minute		581	
	quv74150_0894b.rdb	08–21–94 @ 1100 to 08–26–94 @ 1000	30-minute		598	
	quv74150_1094.rdb	10–15–94 @0300 to 10–22–94 @2100	30-minute		773	
	quv74150_0195.rdb	01–25–95 @ 2200 to 01–30–95 @ 1100	30-minute		624	
	quv74150_0395.rdb	03–13–95 @0500 to 03–18–95 @ 1200	30-minute		462	
	quv74150_0495.rdb	04–04–95 @0400 to 04–09–95 @2300	30-minute		570	
08074250	quv74250_1089.rdb	10–29–89 @ 1200 to 11–01–89 @0600	15-minute		3,130	
	quv74250_0290.rdb	02–21–90 @0700 to 02–23–90 @2300	15-minute		1,880	
	quv74250_0490.rdb	04–26–90 @ 1300 to 04–29–90 @ 1500	15-minute		2,960	
	quv74250_0890.rdb	08–14–90 @ 1900 to 08–16–90 @ 2000	15-minute		2,210	
	quv74250_0191.rdb	01–14–91 @ 1300 to 01–21–91 @0200	15-minute		2,360	
	quv74250_0291.rdb	02–04–91 @0800 to 02–06–91 @2200	15-minute		2,650	
	quv74250_0491.rdb	04–10–91 @0700 to 04–17–91 @0600	15-minute		2,330	
	quv74250_0691.rdb	06–16–91 @ 1700 to 06–18–91 @2000	15-minute		4,540	
	quv74250_1191.rdb	11–17–91 @0100 to 11–20–91 @2300	15-minute		2,810	
	quv74250_0392.rdb	03–04–92 @0100 to 03–07–92 @ 1100	15-minute		7,580	
	quv74250_0492.rdb	04–17–92 @ 1200 to 04–19–92 @ 1100	15-minute		3,370	
	quv74250_0592.rdb	05–16–92 @0300 to 05–19–92 @2300	15-minute		3,110	
	quv74250_0293.rdb	02–28–93 @ 2100 to 03–04–93 @0900	15-minute		3,320	
	quv74250_0393.rdb	03–22–93 @ 1400 to 03–25–93 @ 1200	15-minute		2,450	
	quv74250_0493.rdb	04–07–93 @ 1300 to 04–09–93 @ 1100	15-minute		3,320	
	quv74250_0693.rdb	06–17–93 @ 1500 to 06–24–93 @ 1000	15-minute		1,930	
	quv74250_1193.rdb	11–16–93 @0300 to 11–18–93 @ 1000	15-minute		1,250	
	quv74250_0494.rdb	04–30–94 @0200 to 05–04–94 @0600	15-minute		1,890	
	quv74250_0694.rdb	06–23–94 @ 1300 to 06–26–94 @ 1000	15-minute		1,720	
	quv74250_0894a.rdb	08–17–94 @ 1700 to 08–20–94 @0600	15-minute		3,800	
	quv74250_0894b.rdb	08–22–94 @0400 to 08–25–94 @2100	15-minute		3,530	
	quv74250_1094.rdb	10–15–94 @0800 to 10–23–94 @0900	15-minute		2,690	
	quv74250_0195a.rdb	01–12–95 @ 1100 to 01–16–95 @0800	15-minute		2,700	
	quv74250_0195b.rdb	01–25–95 @ 2200 to 01–30–95 @ 1000	15-minute		2,200	
	quv74250_0395.rdb	03–13–95 @0400 to 03–15–95 @ 1000	15-minute		2,490	
	quv74250_0495.rdb	04–04–95 @0400 to 04–08–95 @ 1000	15-minute		2,340	
08074500	quv74500_1089.rdb	10–29–89 @ 1200 to 11–02–89 @ 1000	30-minute		8,550	
	quv74500_0290.rdb	02–21–90 @0700 to 02–24–90 @ 1200	30-minute		4,230	
	quv74500_0490.rdb	04–26–90 @ 1100 to 05–01–90 @2330	30-minute		6,920	
	quv74500_0191.rdb	01–14–91 @0800 to 01–21–91 @ 1000	30-minute		6,500	
	quv74500_0291.rdb	02–04–91 @0700 to 02–07–91 @ 1000	30-minute		5,700	
	quv74500_0491.rdb	04–10–91 @ 1300 to 04–17–91 @0600	30-minute		8,340	Many values missing 04–16 @1230 to 04–17 @0600
	quv74500_0691.rdb	06–14–91 @ 1700 to 06–19–91 @2300	30-minute		9,310	
	quv74500_1191.rdb	11–17–91 @0300 to 11–21–91 @ 1000	30-minute		9,630	

Appendix 2. Description of surface-water data—Continued

USGS station no.	File name	Period of unit-value data (gage height and (or) discharge	Frequency	Maximum gage height (feet above datum)	Maximum discharge (cubic feet/second)	Comments
	quv74500_1291.rdb	12–21–91 @0100 to 12–30–91 @2300	30-minute		10,400	
	quv74500_0392.rdb	03–03–92 @2000 to 03–09–92 @2000	30-minute		25,100	
	quv74500_0592.rdb	05–16–92 @0500 to 05–20–92 @1100	30-minute		9,190	
	quv74500_0293.rdb	02–28–93 @2000 to 03–05–93 @2200	30-minute		11,200	
	quv74500_0393.rdb	03–22–93 @1400 to 03–26–93 @2100	30-minute		9,180	
	quv74500_0493.rdb	04–07–93 @1200 to 04–11–93 @1200	30-minute		7,300	
	quv74500_0693.rdb	06–17–93 @1000 to 06–24–93 @2100	30-minute		4,330	
	quv74500_1193.rdb	11–14–93 @0200 to 11–18–93 @1700	30-minute		6,850	
	quv74500_0294.rdb	02–20–94 @1800 to 02–25–94 @2000	30-minute		3,860	
	quv74500_0694.rdb	06–20–94 @1400 to 06–27–94 @1100	30-minute		5,270	
	quv74500_0894a.rdb	08–15–94 @1700 to 08–20–94 @1100	30-minute		5,240	
	quv74500_0894b.rdb	08–21–94 @0800 to 08–26–94 @0900	30-minute		5,410	
	quv74500_1094.rdb	10–15–94 @0800 to 10–25–94 @0900	30-minute		11,800	
	quv74500_0195.rdb	01–25–95 @1900 to 01–31–95 @1900	30-minute		7,420	
	quv74500_0395.rdb	03–12–95 @1100 to 03–18–95 @1100	30-minute		6,250	
	quv74500_0495.rdb	04–04–95 @0700 to 04–10–95 @0900	30-minute		5,240	
08074540	ghuv74540_0191.rdb	01–10–91 @0800 to 01–10–91 @1200	15-minute	33.84		
	ghuv74540_0491a.rdb	04–05–91 @1200 to 04–05–91 @1900	15-minute	31.91		
	ghuv74540_0491b.rdb	04–14–91 @1300 to 04–14–91 @1800	15-minute	32.19		
	ghuv74540_0691.rdb	06–16–91 @1700 to 06–16–91 @2300	15-minute	32.80		
	ghuv74540_1191.rdb	11–17–91 @0600 to 11–17–91 @1400	15-minute	36.24		
	ghuv74540_0392.rdb	03–04–92 @1100 to 03–04–92 @1900	15-minute	43.17		No data after 03–04 @1900
	ghuv74540_0393.rdb	03–22–93 @2000 to 03–23–93 @0000	15-minute	38.25		
	ghuv74540_0693.rdb	06–26–93 @0100 to 06–26–93 @0600	15-minute	29.40		
	ghuv74540_1093.rdb	10–20–93 @1600 to 10–20–93 @2300	15-minute	29.29		
	ghuv74540_0894.rdb	08–17–94 @1600 to 08–17–94 @2000	15-minute	29.53		
	ghuv74540_0495.rdb	04–04–95 @1000 to 04–04–95 @1800	15-minute	29.46		
08074760	ghuv74760_0191.rdb	01–14–91 @2100 to 01–15–91 @1400	30-minute	13.27		
	ghuv74760_0291.rdb	02–04–91 @1000 to 02–05–91 @0500	30-minute	13.27		
	ghuv74760_0491a.rdb	04–05–91 @0800 to 04–06–91 @0800	30-minute	13.08		
	ghuv74760_0491b.rdb	04–14–91 @1000 to 04–15–91 @1100	30-minute	13.40		
	ghuv74760_0292.rdb	02–22–92 @0500 to 02–23–92 @0100	30-minute	14.10		
	ghuv74760_0392.rdb	03–04–92 @1100 to 03–05–92 @1900	30-minute	21.16		
	ghuv74760_0492.rdb	04–17–92 @1500 to 04–18–92 @1500	30-minute	15.83		
	ghuv74760_0592.rdb	05–27–92 @0700 to 05–28–92 @0200	30-minute	14.04		
	ghuv74760_1192.rdb	11–19–93 @1800 to 11–20–93 @1400	30-minute	11.44		
	ghuv74760_0393a.rdb	03–01–93 @0700 to 03–02–93 @1500	30-minute	14.41		
	ghuv74760_0393b.rdb	03–22–93 @1900 to 03–23–93 @1100	30-minute	11.75		
	ghuv74760_0493.rdb	04–03–93 @2000 to 04–08–93 @0500	30-minute	11.45		
	ghuv74760_0693.rdb	06–19–93 @1400 to 06–21–93 @0600	30-minute	12.88		
	ghuv74760_1093.rdb	10–20–93 @1300 to 10–21–93 @1100	30-minute	11.28		

Appendix 2. Description of surface-water data—Continued

USGS station no.	File name	Period of unit-value data (gage height and (or) discharge	Frequency	Maximum gage height (feet above datum)	Maximum discharge (cubic feet/second)	Comments
	ghuv74760_1193.rdb	11-16-93 @0800 to 11-17-93 @0800	30-minute	11.99		
	ghuv74760_0294.rdb	02-10-94 @0800 to 02-10-94 @2300	30-minute	10.52		
	ghuv74760_0994.rdb	09-09-94 @0600 to 09-09-94 @2300	30-minute	12.30		
	ghuv74760_1094.rdb	10-15-94 @1300 to 10-19-94 @1400	30-minute	16.83		
	ghuv74760_0195a.rdb	01-12-95 @1900 to 01-13-95 @1300	30-minute	14.23		
	ghuv74760_0195b.rdb	01-26-95 @1500 to 01-27-95 @1100	30-minute	13.43		
	ghuv74760_0495.rdb	04-04-95 @0800 to 04-06-95 @0700	30-minute	14.66		
08074780	ghuv74780_0191.rdb	01-14-91 @2000 to 01-16-91 @0300	15-minute	76.15		
	ghuv74780_0291.rdb	02-04-91 @0900 to 02-05-91 @1900	15-minute	76.71		
	ghuv74780_0491.rdb	04-04-91 @0800 to 04-16-91 @0700	15-minute	76.46		
	ghuv74780_0292.rdb	02-22-92 @0400 to 02-23-92 @1900	15-minute	76.64		
	ghuv74780_0392.rdb	03-04-92 @0900 to 03-06-92 @1900	15-minute	80.93		
	ghuv74780_0492.rdb	04-17-92 @1400 to 04-21-92 @0200	15-minute	78.65		
	ghuv74780_0592.rdb	05-28-92 @1800 to 05-30-92 @0500	15-minute	77.24		
	ghuv74780_1192.rdb	11-19-92 @1800 to 11-22-92 @0700	15-minute	74.70		
	ghuv74780_0393.rdb	03-01-93 @0800 to 03-03-93 @0800	15-minute	78.11		
	ghuv74780_0493.rdb	04-03-93 @1700 to 04-05-93 @0800	15-minute	75.24		
	ghuv74780_0693.rdb	06-18-93 @1000 to 06-22-93 @0800	15-minute	77.26		
	ghuv74780_1093.rdb	10-20-93 @1100 to 10-21-93 @1600	15-minute	75.84		
	ghuv74780_1193.rdb	11-16-93 @0600 to 11-17-93 @1100	15-minute	76.14		
	ghuv74780_0694.rdb	06-10-94 @1100 to 06-11-94 @0100	15-minute	75.09		
	ghuv74780_0994.rdb	09-09-94 @0700 to 09-10-94 @0100	15-minute	75.75		
	ghuv74780_1094.rdb	10-15-94 @1300 to 10-20-94 @1100	15-minute	80.27		
	ghuv74780_0195a.rdb	01-12-95 @2000 to 01-13-95 @1900	15-minute	77.34		
	ghuv74780_0195b.rdb	01-26-95 @1400 to 01-27-95 @1700	15-minute	75.70		
	ghuv74780_0495.rdb	04-04-95 @0700 to 04-06-95 @1800	15-minute	76.88		
08074800	quv74800_0191.rdb	01-14-91 @1300 to 01-17-91 @1900	15-minute		2,500	
	quv74800_0291.rdb	02-04-91 @0700 to 02-08-91 @0800	15-minute		2,410	
	quv74800_0491.rdb	04-14-91 @0800 to 04-17-91 @1100	15-minute		1,890	
	quv74800_0691.rdb	06-16-91 @1800 to 06-18-91 @1800	15-minute		1,680	
	quv74800_0292.rdb	02-22-92 @0400 to 02-27-92 @0900	15-minute		2,480	
	quv74800_0392.rdb	03-04-92 @0100 to 03-09-92 @0700	15-minute		4,880	
	quv74800_0492.rdb	04-17-92 @1300 to 04-22-92 @0800	15-minute		3,400	
	quv74800_0592.rdb	05-27-92 @0500 to 05-31-92 @1100	15-minute		2,420	
	quv74800_1192.rdb	11-19-92 @1400 to 11-23-92 @2200	15-minute		1,160	
	quv74800_0293.rdb	02-25-93 @0900 to 03-06-93 @0800	15-minute		3,000	
	quv74800_0693.rdb	06-17-93 @1900 to 06-23-93 @1100	15-minute		1,670	
	quv74800_1093.rdb	10-20-93 @1100 to 10-23-93 @1000	15-minute		2,040	
	quv74800_1193.rdb	11-16-93 @0400 to 11-19-93 @1900	15-minute		2,410	
	quv74800_0694.rdb	06-10-94 @1500 to 06-12-94 @0700	15-minute		1,080	
	quv74800_0994a.rdb	09-03-94 @1600 to 09-05-94 @0800	15-minute		1,620	

Appendix 2. Description of surface-water data—Continued

USGS station no.	File name	Period of unit-value data (gage height and (or) discharge	Frequency	Maximum gage height (feet above datum)	Maximum discharge (cubic feet/second)	Comments
	quv74800_0994b.rdb	09-09-94 @0600 to 09-12-94 @0700	15-minute		1,510	
	quv74800_1094.rdb	10-15-94 @0900 to 10-23-94 @0800	15-minute		4,850	
	quv74800_0195a.rdb	01-12-95 @2000 to 01-17-95 @0700	15-minute		2,810	
	quv74800_0195b.rdb	01-25-95 @2100 to 01-31-95 @0700	15-minute		1,680	
	quv74800_0495.rdb	04-04-95 @0400 to 04-10-95 @0800	15-minute		2,030	
08074810	quv74810_0191a.rdb	01-09-91 @0800 to 01-13-91 @1000	15-minute		6,570	
	quv74810_0191b.rdb	01-14-91 @1000 to 01-17-91 @0900	15-minute		9,470	
	quv74810_0291.rdb	02-04-91 @0700 to 02-08-91 @0700	15-minute		6,620	
	quv74810_0491a.rdb	04-04-91 @0700 to 04-09-91 @1000	15-minute		6,560	
	quv74810_0491b.rdb	04-14-91 @0800 to 04-19-91 @1000	15-minute		5,900	
	quv74810_0292.rdb	02-22-92 @0400 to 02-27-92 @0800	15-minute		8,600	
	quv74810_0392.rdb	03-04-92 @0100 to 03-08-92 @1200	15-minute		16,900	No data 03-04 @2015 to 03-05 @1400
	quv74810_0492.rdb	04-17-92 @1100 to 04-23-92 @0800	15-minute		10,300	
	quv74810_0592.rdb	05-27-92 @0500 to 05-31-92 @0900	15-minute		5,960	
	quv74810_1192.rdb	11-19-92 @0900 to 11-24-92 @1000	15-minute		3,400	
	quv74810_0293.rdb	02-25-93 @0800 to 03-06-93 @0800	15-minute		8,380	
	quv74810_0393.rdb	03-22-93 @1600 to 03-26-93 @0900	15-minute		4,260	
	quv74810_0493.rdb	04-03-93 @1300 to 04-10-93 @0900	15-minute		5,270	
	quv74810_0693.rdb	06-17-93 @2100 to 06-25-93 @1000	15-minute		7,650	
	quv74810_1093.rdb	10-20-93 @0700 to 10-23-93 @1000	15-minute		5,630	
	quv74810_1193.rdb	11-16-93 @0300 to 11-19-93 @0900	15-minute		7,900	
	quv74810_0694a.rdb	06-10-94 @1400 to 06-14-94 @1000	15-minute		2,890	
	quv74810_0694b.rdb	06-17-94 @1700 to 06-26-94 @1200	15-minute		2,920	
	quv74810_0994.rdb	09-08-94 @1300 to 09-12-94 @1200	15-minute		4,100	
	quv74810_0195a.rdb	01-12-95 @0800 to 01-17-95 @0800	15-minute		7,220	
	quv74810_0195b.rdb	01-25-95 @1800 to 01-30-95 @0900	15-minute		5,590	
	quv74810_0395.rdb	03-12-95 @1100 to 03-17-95 @1300	15-minute		5,690	
	quv74810_0495.rdb	04-03-95 @1500 to 04-09-95 @1200	15-minute		6,620	
08075000	quv75000_0191.rdb	01-14-91 @0800 to 01-22-91 @0800	30-minute		19,800	
	quv75000_0291.rdb	02-04-91 @0800 to 02-08-91 @0900	30-minute		13,200	
	quv75000_0491a.rdb	04-04-91 @0200 to 04-10-91 @0800	30-minute		13,400	
	quv75000_0491b.rdb	04-14-91 @0800 to 04-21-91 @1000	30-minute		11,000	
	quv75000_0292.rdb	02-22-92 @0400 to 02-27-92 @0800	30-minute		18,100	
	quv75000_0392.rdb	03-03-92 @0700 to 03-11-92 @0700	30-minute		23,000	
	quv75000_0492.rdb	04-17-92 @1500 to 04-22-92 @0800	30-minute		17,400	
	quv75000_0592.rdb	05-26-92 @1900 to 05-31-92 @1000	30-minute		8,740	
	quv75000_1192.rdb	11-19-92 @0800 to 11-24-92 @0800	30-minute		7,920	
	quv75000_0293.rdb	02-28-93 @0300 to 03-06-93 @0800	30-minute		12,800	
	quv75000_0393.rdb	03-22-93 @0800 to 03-26-93 @0700	30-minute		8,450	
	quv75000_0693.rdb	06-17-93 @0700 to 06-25-93 @0800	30-minute		16,000	
	quv75000_1093.rdb	10-20-93 @0800 to 10-23-93 @0800	30-minute		13,800	

Appendix 2. Description of surface-water data—Continued

USGS station no.	File name	Period of unit-value data (gage height and (or) discharge	Frequency	Maximum gage height (feet above datum)	Maximum discharge (cubic feet/second)	Comments
	quv75000_1193.rdb	11-13-93 @ 1000 to 11-17-93 @ 1600	15-minute		16,500	No data after 11-17 @ 1600
	quv75000_0594.rdb	05-13-94 @ 0800 to 05-20-94 @ 0800	30-minute		5,840	
	quv75000_0694.rdb	06-12-94 @ 0800 to 06-27-94 @ 0800	30-minute		7,540	
	quv75000_0994.rdb	09-08-94 @ 0800 to 09-12-94 @ 0800	30-minute		4,990	
	quv75000_1094.rdb	10-14-94 @ 0800 to 10-23-94 @ 1100	30-minute		27,000	
	quv75000_0195a.rdb	01-12-95 @ 0700 to 01-17-95 @ 0900	30-minute		10,600	
	quv75000_0195b.rdb	01-25-95 @ 1900 to 01-30-95 @ 0900	30-minute		9,840	
	quv75000_0395.rdb	03-12-95 @ 1000 to 03-18-95 @ 0900	30-minute		11,700	
	quv75000_0495.rdb	04-03-95 @ 0800 to 04-09-95 @ 1200	30-minute		12,100	
	quv75000_0595.rdb	05-27-95 @ 0700 to 06-04-95 @ 1000	30-minute		12,600	
08075400	quv75400_0191a.rdb	01-09-91 @ 1200 to 01-12-91 @ 1000	15-minute		3,730	
	quv75400_0191b.rdb	01-14-91 @ 1900 to 01-17-91 @ 0700	15-minute		5,120	
	quv75400_0291.rdb	02-04-91 @ 0700 to 02-07-91 @ 1600	15-minute		2,390	
	quv75400_0491.rdb	04-04-91 @ 1000 to 04-08-91 @ 2000	15-minute		4,080	
	quv75400_0292.rdb	02-22-92 @ 0300 to 02-27-92 @ 1400	15-minute		6,290	
	quv75400_0492.rdb	04-17-92 @ 1400 to 04-22-92 @ 0900	15-minute		3,020	
	quv75400_0592.rdb	05-28-92 @ 1600 to 05-30-92 @ 2000	15-minute		4,120	
	quv75400_0193.rdb	01-07-93 @ 0300 to 01-12-93 @ 0900	15-minute		2,880	
	quv75400_0293.rdb	02-28-93 @ 2100 to 03-05-93 @ 1000	15-minute		2,710	
	quv75400_0493.rdb	04-03-93 @ 1500 to 04-11-93 @ 1200	15-minute		2,440	
	quv75400_0693.rdb	06-18-93 @ 0400 to 06-24-93 @ 1900	60-minute		4,540	
	quv75400_1093.rdb	10-20-93 @ 1000 to 10-22-93 @ 1600	30-minute		3,710	
	quv75400_0694.rdb	06-20-94 @ 1200 to 06-27-94 @ 1200	15-minute		2,150	
	quv75400_1094.rdb	10-15-94 @ 1000 to 10-23-94 @ 1000	15-minute		7,510	
	quv75400_0395.rdb	03-13-95 @ 0600 to 03-18-95 @ 1600	15-minute		2,130	
	quv75400_0495.rdb	04-04-95 @ 0600 to 04-09-95 @ 1200	15-minute		2,680	
	quv75400_0595.rdb	05-29-95 @ 0700 to 06-04-95 @ 1000	15-minute		1,780	
08075500	quv75500_0191.rdb	01-09-91 @ 1300 to 01-17-91 @ 1500	30-minute		7,040	
	quv75500_0291.rdb	02-04-91 @ 0600 to 02-09-91 @ 2300	30-minute		3,920	
	quv75500_0491.rdb	04-04-91 @ 0900 to 04-09-91 @ 1800	30-minute		6,250	
	quv75500_0192.rdb	01-17-92 @ 1200 to 01-21-92 @ 1700	30-minute		4,230	
	quv75500_0292a.rdb	02-02-92 @ 2100 to 02-10-92 @ 1500	30-minute		4,490	
	quv75500_0292b.rdb	02-22-92 @ 0400 to 02-28-92 @ 1500	30-minute		4,410	
	quv75500_0592.rdb	05-26-92 @ 1900 to 06-05-92 @ 1900	30-minute		3,830	
	quv75500_0193.rdb	01-06-93 @ 1800 to 01-14-93 @ 1700	30-minute		2,810	
	quv75500_0293.rdb	02-28-93 @ 1800 to 03-05-93 @ 2000	30-minute		3,620	
	quv75500_0493.rdb	04-03-93 @ 1200 to 04-12-93 @ 0500	30-minute		3,230	
	quv75500_0693.rdb	06-17-93 @ 1300 to 06-25-93 @ 1700	30-minute		4,180	
	quv75500_1093.rdb	10-20-93 @ 1000 to 10-23-93 @ 2000	30-minute		4,770	
	quv75500_1193.rdb	11-14-93 @ 0800 to 11-20-93 @ 2100	30-minute		4,520	
	quv75500_0594.rdb	05-05-94 @ 0600 to 05-19-94 @ 0900	30-minute		2,290	

Appendix 2. Description of surface-water data—Continued

USGS station no.	File name	Period of unit-value data (gage height and (or) discharge	Fre- quency	Maximum gage height (feet above datum)	Maximum discharge (cubic feet/ second)	Comments
	quv75500_0694.rdb	06–20–94 @ 1200 to 06–27–94 @ 2300	30-minute		1,910	
	quv75500_1094.rdb	10–15–94 @ 0300 to 10–23–94 @ 1800	30-minute		7,730	
	quv75500_0395.rdb	03–12–95 @ 1800 to 03–18–95 @ 1800	30-minute		2,370	
	quv75500_0495.rdb	04–04–95 @ 0100 to 04–09–95 @ 1800	30-minute		2,780	
08075650	ghuv75650_0492.rdb	04–05–92 @ 0500 to 04–08–92 @ 0700	30-minute	11.04		
	ghuv75650_0592.rdb	05–27–92 @ 0400 to 05–28–92 @ 0100	30-minute	11.31		
	ghuv75650_0692.rdb	06–02–92 @ 0500 to 06–03–92 @ 0800	30-minute	14.17		
	ghuv75650_0293.rdb	02–28–93 @ 0900 to 03–03–93 @ 1400	30-minute	12.07		
	ghuv75650_0393.rdb	03–21–93 @ 1700 to 03–24–93 @ 1000	30-minute	8.99		
	ghuv75650_0493.rdb	04–02–93 @ 1000 to 04–10–93 @ 0700	30-minute	12.07		
	ghuv75650_1093.rdb	10–19–93 @ 2000 to 10–22–93 @ 0400	30-minute	15.61		
	ghuv75650_1193.rdb	11–13–93 @ 1600 to 11–17–93 @ 2100	30-minute	13.27		
	ghuv75650_0194.rdb	01–26–94 @ 1300 to 01–28–94 @ 2100	30-minute	11.79		
	ghuv75650_1094.rdb	10–13–94 @ 0100 to 10–21–94 @ 1600	30-minute	17.97		
	ghuv75650_0495.rdb	04–03–95 @ 0600 to 04–06–95 @ 0800	30-minute	12.91		
	ghuv75650_0595.rdb	05–29–95 @ 0400 to 06–02–95 @ 0800	30-minute	13.87		
08075730	quv75730_1089.rdb	10–29–89 @ 1400 to 11–01–89 @ 0100	15-minute		2,170	
	quv75730_0490.rdb	04–26–90 @ 1400 to 04–28–90 @ 2300	15-minute		678	
	quv75730_0890.rdb	08–15–90 @ 1600 to 08–16–90 @ 1400	15-minute		504	
	quv75730_0191.rdb	01–14–91 @ 1800 to 01–17–91 @ 2300	15-minute		1,820	
	quv75730_0291.rdb	02–04–91 @ 0700 to 02–07–91 @ 2300	15-minute		1,750	
	quv75730_0491.rdb	04–04–91 @ 1000 to 04–08–91 @ 1500	15-minute		2,060	
	quv75730_0591.rdb	05–29–91 @ 1000 to 05–31–91 @ 2300	15-minute		2,210	
	quv75730_1291.rdb	12–21–91 @ 0900 to 12–24–91 @ 0500	15-minute		1,430	
	quv75730_0492.rdb	04–19–92 @ 2000 to 04–21–92 @ 2300	15-minute		1,280	
	quv75730_0592.rdb	05–26–92 @ 2100 to 05–30–92 @ 1900	15-minute		1,420	
	quv75730_0692.rdb	06–01–92 @ 1400 to 06–05–92 @ 1800	15-minute		1,830	
	quv75730_0293.rdb	02–28–93 @ 2100 to 03–04–93 @ 1600	15-minute		1,750	
	quv75730_0793.rdb	07–19–93 @ 1100 to 07–20–93 @ 2100	15-minute		1,610	
	quv75730_1093.rdb	10–20–93 @ 1100 to 10–24–93 @ 1300	30-minute		2,030	
	quv75730_1193.rdb	11–14–93 @ 0700 to 11–18–93 @ 1200	15-minute		1,510	
	quv75730_0194.rdb	01–27–94 @ 0600 to 01–31–94 @ 0800	15-minute		1,600	
	quv75730_1094.rdb	10–15–94 @ 0545 to 10–21–94 @ 0915	30-minute		2,710	
	quv75730_0495.rdb	04–03–95 @ 1800 to 04–07–95 @ 1700	15-minute		1,660	
	quv75730_0595.rdb	05–29–95 @ 0400 to 06–03–95 @ 0200	15-minute		2,000	
08075770	quv75770_0390.rdb	03–28–90 @ 0100 to 04–05–90 @ 1000	30-minute		594	
	quv75770_0490.rdb	04–26–90 @ 1200 to 05–01–90 @ 1800	30-minute		850	
	quv75770_0790.rdb	07–05–90 @ 0800 to 07–08–90 @ 1700	30-minute		604	
	quv75770_0191a.rdb	01–09–91 @ 0700 to 01–13–91 @ 1000	30-minute		1,530	
	quv75770_0191b.rdb	01–14–91 @ 1600 to 01–21–91 @ 1300	30-minute		1,900	
	quv75770_0491a.rdb	04–04–91 @ 0900 to 04–09–91 @ 0700	30-minute		1,630	

Appendix 2. Description of surface-water data—Continued

USGS station no.	File name	Period of unit-value data (gage height and (or) discharge	Frequency	Maximum gage height (feet above datum)	Maximum discharge (cubic feet/second)	Comments
	quv75770_0491b.rdb	04-14-91 @0800 to 04-19-91 @2300	30-minute		1,290	
	quv75770_1291.rdb	12-21-91 @0800 to 12-25-91 @0400	30-minute		1,060	
	quv75770_0392.rdb	03-04-92 @0100 to 03-09-92 @2100	30-minute		2,800	
	quv75770_0592.rdb	05-27-92 @0600 to 05-30-92 @2300	30-minute		742	
	quv75770_0692.rdb	06-01-92 @1400 to 06-05-92 @1400	30-minute		1,120	
	quv75770_0293.rdb	02-28-93 @2100 to 03-05-93 @2300	30-minute		1,810	
	quv75770_0393.rdb	03-22-93 @0400 to 03-27-93 @2300	30-minute		2,890	
	quv75770_1093.rdb	10-20-93 @0900 to 10-25-93 @0900	30-minute		1,910	
	quv75770_1193.rdb	11-14-93 @0200 to 11-21-93 @0500	30-minute		1,970	
	quv75770_0594.rdb	05-13-94 @0800 to 05-21-94 @0900	30-minute		1,630	
	quv75770_1094.rdb	10-15-94 @0800 to 10-24-94 @1100	30-minute		3,430	
	quv75770_0195.rdb	01-26-95 @0000 to 01-30-95 @2300	30-minute		1,560	
	quv75770_0495.rdb	04-04-95 @0600 to 04-10-95 @0800	30-minute		1,170	
	quv75770_0595.rdb	05-29-95 @0300 to 06-04-95 @1500	30-minute		713	
08075780	quv75780_0290.rdb	02-21-90 @0900 to 02-23-90 @0100	30-minute		552	
	quv75780_0390.rdb	03-28-90 @1000 to 03-31-90 @1700	30-minute		252	
	quv75780_0490.rdb	04-26-90 @1300 to 04-29-90 @1300	30-minute		264	
	quv75780_0191.rdb	01-18-91 @0700 to 01-20-91 @0600	30-minute		424	
	quv75780_0491a.rdb	04-04-91 @1000 to 04-07-91 @2300	30-minute		510	
	quv75780_0491b.rdb	04-14-91 @0800 to 04-16-91 @2000	30-minute		889	
	quv75780_1191.rdb	11-17-91 @0600 to 11-19-91 @1000	30-minute		904	
	quv75780_0392.rdb	03-04-92 @1000 to 03-06-92 @0100	30-minute		557	
	quv75780_0492.rdb	04-17-92 @1300 to 04-19-92 @1300	30-minute		508	
	quv75780_0692.rdb	06-01-92 @1500 to 06-04-92 @0700	30-minute		697	
	quv75780_0393a.rdb	03-01-93 @0800 to 03-04-93 @0200	30-minute		715	
	quv75780_0393b.rdb	03-22-93 @1500 to 03-24-93 @1800	30-minute		542	
	quv75780_0493.rdb	04-03-93 @1100 to 04-09-93 @1800	30-minute		538	
	quv75780_0693.rdb	06-17-93 @1800 to 06-23-93 @1200	30-minute		516	
	quv75780_0194.rdb	01-27-94 @1000 to 01-28-94 @0500	30-minute		378	
	quv75780_0294.rdb	02-09-94 @1900 to 02-11-94 @2100	30-minute		640	
	quv75780_0594.rdb	05-13-94 @1700 to 05-17-94 @0700	30-minute		533	
	quv75780_0195.rdb	01-26-95 @1600 to 01-28-95 @0300	30-minute		221	
	quv75780_0495.rdb	04-04-95 @0600 to 04-06-95 @0400	30-minute		428	
	quv75780_0595.rdb	05-30-95 @0600 to 05-30-95 @2330	30-minute		157	
08075900	quv75900_0290.rdb	02-21-90 @0600 to 02-24-90 @1400	30-minute		2,930	
	quv75900_0390.rdb	03-28-90 @0900 to 04-02-90 @1500	30-minute		1,600	
	quv75900_0490.rdb	04-26-90 @1200 to 05-01-90 @1600	30-minute		1,770	
	quv75900_0191.rdb	01-14-91 @1300 to 01-22-91 @1700	30-minute		2,630	
	quv75900_0291.rdb	02-04-91 @0700 to 02-08-91 @1700	30-minute		2,130	
	quv75900_0491.rdb	04-04-91 @0300 to 04-06-91 @1500	30-minute		3,530	No record 04-06 @1500 through peak
	quv75900_0392.rdb	03-04-92 @0100 to 03-08-92 @1100	30-minute		8,180	

Appendix 2. Description of surface-water data—Continued

USGS station no.	File name	Period of unit-value data (gage height and (or) discharge	Frequency	Maximum gage height (feet above datum)	Maximum discharge (cubic feet/second)	Comments
	quv75900_0592.rdb	05-16-92 @0600 to 05-21-92 @0800	30-minute		5,570	
	quv75900_0692.rdb	06-01-92 @ 1300 to 06-05-92 @2000	30-minute		2,840	
	quv75900_0393a.rdb	03-01-93 @0600 to 03-05-93 @2300	30-minute		5,500	
	quv75900_0393b.rdb	03-22-93 @ 1500 to 03-27-93 @0900	30-minute		2,440	
	quv75900_0493.rdb	04-03-93 @ 1000 to 04-12-93 @0700	30-minute		2,890	
	quv75900_0593.rdb	05-23-93 @ 1100 to 05-30-93 @0900	30-minute		3,020	
	quv75900_0693.rdb	06-17-93 @ 1600 to 06-30-93 @ 1400	30-minute		1,370	
	quv75900_1093.rdb	10-20-93 @ 1100 to 10-23-93 @0500	30-minute		1,400	
	quv75900_1193.rdb	11-13-93 @2000 to 11-20-93 @0800	30-minute		1,560	
	quv75900_0294.rdb	02-09-94 @ 1200 to 02-15-94 @0800	30-minute		1,940	
	quv75900_0594.rdb	05-13-94 @0800 to 05-20-94 @0800	30-minute		1,230	
	quv75900_1094.rdb	10-15-94 @0300 to 10-22-94 @ 1000	30-minute		6,150	
	quv75900_0195.rdb	01-26-95 @0200 to 01-30-95 @ 1500	30-minute		1,970	
	quv75900_0495.rdb	04-04-95 @0000 to 04-09-95 @0300	30-minute		1,820	
08076000	quv76000_0290.rdb	02-21-90 @0600 to 02-24-90 @ 1600	30-minute		2,190	
	quv76000_0390.rdb	03-28-90 @0100 to 04-05-90 @ 1000	30-minute		2,040	
	quv76000_0490.rdb	04-26-90 @ 1000 to 05-02-90 @ 1300	30-minute		2,810	
	quv76000_0191a.rdb	01-01-91 @ 1500 to 01-13-91 @ 1500	30-minute		2,500	
	quv76000_0191b.rdb	01-14-91 @ 1500 to 01-22-91 @ 1200	30-minute		3,160	
	quv76000_0291.rdb	02-04-91 @0800 to 02-09-91 @ 1000	30-minute		2,610	
	quv76000_0491.rdb	04-04-91 @0600 to 04-20-91 @ 1500	30-minute		4,280	
	quv76000_1191.rdb	11-17-91 @0500 to 11-21-91 @ 1200	30-minute		4,700	
	quv76000_1291.rdb	12-21-91 @0400 to 12-25-91 @ 1800	30-minute		5,120	
	quv76000_0392.rdb	03-04-92 @0100 to 03-09-92 @ 1400	30-minute		9,560	
	quv76000_0293.rdb	02-25-93 @0100 to 03-06-93 @ 1900	30-minute		5,620	
	quv76000_0393.rdb	03-22-93 @ 1200 to 03-27-93 @ 1500	30-minute		2,880	
	quv76000_0493.rdb	04-03-93 @ 1000 to 04-13-93 @ 1200	30-minute		3,290	
	quv76000_0693.rdb	06-17-93 @ 1500 to 07-01-93 @ 1000	30-minute		2,440	
	quv76000_1093.rdb	10-19-93 @ 1100 to 10-24-93 @ 1000	30-minute		2,060	
	quv76000_1193.rdb	11-13-93 @ 1600 to 11-20-93 @ 1600	30-minute		2,080	
	quv76000_0594.rdb	05-13-94 @ 1200 to 05-21-94 @ 1600	30-minute		3,150	
	quv76000_0894.rdb	08-15-94 @ 2100 to 08-20-94 @0900	30-minute		1,980	
	quv76000_1094.rdb	10-15-94 @0900 to 10-26-94 @ 1300	30-minute		7,150	
	quv76000_0195.rdb	01-25-95 @ 1400 to 02-02-95 @2200	30-minute		2,890	
	quv76000_0395.rdb	03-12-95 @ 1500 to 03-22-95 @ 1400	30-minute		2,550	
	quv76000_0495.rdb	04-04-95 @0700 to 04-14-95 @ 1500	30-minute		2,310	
08076180	quv76180_0390.rdb	03-28-90 @0600 to 04-01-90 @ 1100	60-minute		978	
	quv76180_0490.rdb	04-26-90 @ 1100 to 04-30-90 @0800	60-minute		1,540	
	quv76180_0590.rdb	05-03-90 @0900 to 05-06-90 @ 1900	60-minute		745	
	quv76180_0191.rdb	01-09-91 @0900 to 01-23-91 @0700	60-minute		1,480	
	quv76180_0291.rdb	02-04-91 @0900 to 02-08-91 @ 1300	60-minute		1,450	

Appendix 2. Description of surface-water data—Continued

USGS station no.	File name	Period of unit-value data (gage height and (or) discharge	Frequency	Maximum gage height (feet above datum)	Maximum discharge (cubic feet/second)	Comments
	quv76180_0491.rdb	04-04-91 @ 1300 to 04-19-91 @ 1400	60-minute		1,810	
	quv76180_0691.rdb	06-13-91 @ 1100 to 06-20-91 @ 1800	60-minute		2,610	
	quv76180_1191.rdb	11-17-91 @ 0400 to 11-21-91 @ 1100	60-minute		2,240	
	quv76180_1291.rdb	12-21-91 @ 0400 to 12-26-91 @ 0700	60-minute		2,090	
	quv76180_0392.rdb	03-04-92 @ 0000 to 03-11-92 @ 1200	60-minute		9,980	
	quv76180_0592.rdb	05-27-92 @ 0800 to 06-07-92 @ 2000	60-minute		2,030	
	quv76180_0293.rdb	02-25-93 @ 0900 to 03-06-93 @ 1400	60-minute		2,930	
	quv76180_0393.rdb	03-22-93 @ 1400 to 03-28-93 @ 0800	60-minute		2,080	
	quv76180_0493.rdb	04-03-93 @ 0500 to 04-13-93 @ 0000	60-minute		2,010	
	quv76180_0693.rdb	06-17-93 @ 0600 to 07-01-93 @ 1800	60-minute		3,900	
	quv76180_1093.rdb	10-20-93 @ 0900 to 10-23-93 @ 1400	60-minute		833	
	quv76180_1193.rdb	11-14-93 @ 0800 to 11-21-93 @ 1600	60-minute		2,370	
	quv76180_0594.rdb	05-13-94 @ 0700 to 05-20-94 @ 0700	60-minute		1,800	
	quv76180_0694.rdb	06-01-94 @ 2200 to 06-06-94 @ 1600	60-minute		945	
	quv76180_1094.rdb	10-15-94 @ 1200 to 10-26-94 @ 1100	60-minute		3,940	
	quv76180_0195.rdb	01-26-95 @ 0300 to 01-31-95 @ 2200	60-minute		1,690	
	quv76180_0395.rdb	03-13-95 @ 0100 to 03-20-95 @ 0800	60-minute		1,370	
08076500	quv76500_1089.rdb	10-29-89 @ 1200 to 11-02-89 @ 1400	30-minute		730	
	quv76500_0390.rdb	03-28-90 @ 1000 to 04-05-90 @ 1300	30-minute		943	
	quv76500_0490.rdb	04-26-90 @ 1200 to 05-01-90 @ 0200	30-minute		1,120	
	quv76500_0191.rdb	01-14-91 @ 1400 to 01-21-91 @ 1300	30-minute		1,250	
	quv76500_0491.rdb	04-04-91 @ 0600 to 04-20-91 @ 1500	30-minute		1,890	
	quv76500_0591.rdb	05-15-91 @ 1400 to 05-18-91 @ 1100	30-minute		1,530	
	quv76500_1191.rdb	11-17-91 @ 0600 to 11-20-91 @ 2300	30-minute		2,260	
	quv76500_1291.rdb	12-21-91 @ 0400 to 12-25-91 @ 1600	30-minute		2,150	
	quv76500_0392.rdb	03-04-92 @ 0100 to 03-08-92 @ 1300	30-minute		4,840	
	quv76500_0492.rdb	04-17-92 @ 1200 to 04-22-92 @ 1200	30-minute		2,580	
	quv76500_0293.rdb	02-25-93 @ 0800 to 03-06-93 @ 1300	30-minute		2,560	
	quv76500_0393.rdb	03-22-93 @ 1300 to 03-28-93 @ 1400	30-minute		2,650	
	quv76500_0493.rdb	04-03-93 @ 1100 to 04-12-93 @ 1200	30-minute		1,940	
	quv76500_0693.rdb	06-17-93 @ 1000 to 07-01-93 @ 1500	30-minute		794	
	quv76500_1093.rdb	10-20-93 @ 0800 to 10-23-93 @ 1200	30-minute		602	
	quv76500_1193.rdb	11-13-93 @ 1400 to 11-19-93 @ 2200	30-minute		1,580	
	quv76500_0594.rdb	05-13-94 @ 1100 to 05-20-94 @ 1700	30-minute		1,940	
	quv76500_0894.rdb	08-14-94 @ 1800 to 08-20-94 @ 1500	30-minute		717	
	quv76500_1094.rdb	10-15-94 @ 0300 to 10-23-94 @ 1400	30-minute		2,580	
	quv76500_0195.rdb	01-26-95 @ 0300 to 01-31-95 @ 0800	30-minute		1,820	
	quv76500_0395.rdb	03-13-95 @ 0300 to 03-18-95 @ 1700	30-minute		1,380	
08076700	quv76700_0191.rdb	01-09-91 @ 0800 to 01-22-91 @ 0900	60-minute		6,170	
	quv76700_0291.rdb	02-04-91 @ 0600 to 02-08-91 @ 2300	60-minute		5,490	
	quv76700_0691.rdb	06-15-91 @ 0700 to 06-18-91 @ 1900	60-minute		5,110	

Appendix 2. Description of surface-water data—Continued

USGS station no.	File name	Period of unit-value data (gage height and (or) discharge	Fre- quency	Maximum gage height (feet above datum)	Maximum discharge (cubic feet/ second)	Comments
	quv76700_0293.rdb	02-28-93 @ 1600 to 03-04-93 @ 1500	60-minute		13,700	
	quv76700_0493.rdb	04-07-93 @ 0500 to 04-10-93 @ 0000	60-minute		8,350	
	quv76700_0693.rdb	06-17-93 @ 0700 to 06-29-93 @ 2100	60-minute		7,280	
	quv76700_1093.rdb	10-18-93 @ 0100 to 10-22-93 @ 0600	60-minute		2,380	
	quv76700_1193.rdb	11-13-93 @ 1900 to 11-18-93 @ 1000	60-minute		4,370	
	quv76700_0594.rdb	05-13-94 @ 1200 to 05-18-94 @ 1000	60-minute		8,130	
	quv76700_0894.rdb	08-17-94 @ 1600 to 08-18-94 @ 2000	60-minute		8,840	
	quv76700_1094.rdb	10-15-94 @ 0000 to 10-22-94 @ 0000	See comments		21,800	Random data each day
	quv76700_0195.rdb	01-26-95 @ 1200 to 01-29-95 @ 1200	60-minute		8,690	
	quv76700_0395.rdb	03-13-95 @ 0300 to 03-17-95 @ 1800	60-minute		5,590	
	quv76700_0495.rdb	04-04-95 @ 0700 to 04-12-95 @ 1400	60-minute		5,050	

