

PRECIPITATION, ATMOSPHERIC DEPOSITION, STREAMFLOW, AND WATER-QUALITY DATA FROM SELECTED SITES IN THE CITY OF CHARLOTTE AND MECKLENBURG COUNTY, NORTH CAROLINA, 1997–98

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CONVERSION FACTORS, VERTICAL DATUM, SPECIFIC CONDUCTANCE,
AND TEMPERATURE

	Multiply	By	To obtain
	inch (in.)	25.4	millimeter
	foot (ft)	0.3048	meter
	square mile (mi ²)	2.59	square kilometer
	pint (pt)	0.4732	liter
	inch per year (in/yr)	25.4	millimeter per year

Sea level: In this report “sea level” refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—A geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

Specific conductance is given in microsiemens per centimeter at 25 degrees Celsius ($\mu\text{S}/\text{cm}$ at 25 °C).

Temperature conversions for degrees Celsius (°C) and degrees Fahrenheit (°F):

$$^{\circ}\text{C} = 5/9 (^{\circ}\text{F} - 32)$$

$$^{\circ}\text{F} = 1.8 (^{\circ}\text{C}) + 32$$

Precipitation, Atmospheric Deposition, Streamflow, and Water-Quality Data from Selected Sites in the City of Charlotte and Mecklenburg County, North Carolina, 1997–98

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ABSTRACT

Precipitation data were collected at 46 precipitation sites and 3 atmospheric deposition sites, and hydrologic data were collected at 6 stream sites in the vicinity of Charlotte and Mecklenburg County, North Carolina, from July 1997 through September 1998. Data were collected to identify the type, concentration, and amount of nonpoint-source stormwater runoff in the study area. The data collected include measurements of precipitation; streamflow; physical characteristics, such as water temperature, pH, specific conductance, biochemical oxygen demand, oil and grease, and suspended-sediment concentrations; and concentrations of nutrients, metals and minor constituents, and organic compounds. These data will provide information needed for (1) planned watershed simulation models, (2) estimates of nonpoint-source constituent loadings to the Catawba River, and (3) characterization of water quality in relation to basin conditions. Streamflow and rainfall data have been used to provide early warnings of possible flooding.

INTRODUCTION

In October 1993, the U.S. Geological Survey (USGS), in cooperation with the City of Charlotte, Mecklenburg County, and Charlotte-Mecklenburg Utility Department (CMU), began a water-quality

study in the Catawba River Basin near Charlotte, North Carolina (fig. 1). Study efforts for the City of Charlotte, which are described in this report, focused on characterizing stormwater quantity and quality from selected land uses, collecting information on nonpoint-source loadings to the Catawba River, and installing and operating a precipitation network. Study efforts for CMU and Mecklenburg County focused on Mountain Island Lake and included inflow sampling from two basins, outflow sampling, and reservoir monitoring (Sarver and Steiner, 1998).

An earlier study was conducted during 1992–94 by the USGS, in cooperation with the Western Piedmont Council of Governments, to investigate water quality in the upper Catawba River Basin (Jaynes, 1994). The objectives of the study were to collect and interpret water-quality data from streams and reservoirs in the region and to develop circulation and transport models for two reservoirs in the Catawba River Basin—Rhodhiss Lake and Lake Hickory—northwest of the study area described in this report (Giorgino and Bales, 1997; Bales and Giorgino, 1998).

In addition, the USGS is conducting an investigation of water quality in the Catawba River Basin downstream from Lake Wylie to evaluate the potential effects of increased point-source inputs on water quality in the river. The Catawba River Basin also is part of the USGS National Water-Quality Assessment (NAWQA) Program's Santee-Coastal Basin Study Unit (Hughes, 1994). Together, these studies are providing consistent methods of data collection, interpretation, and modeling techniques for a large portion of the Catawba River Basin.

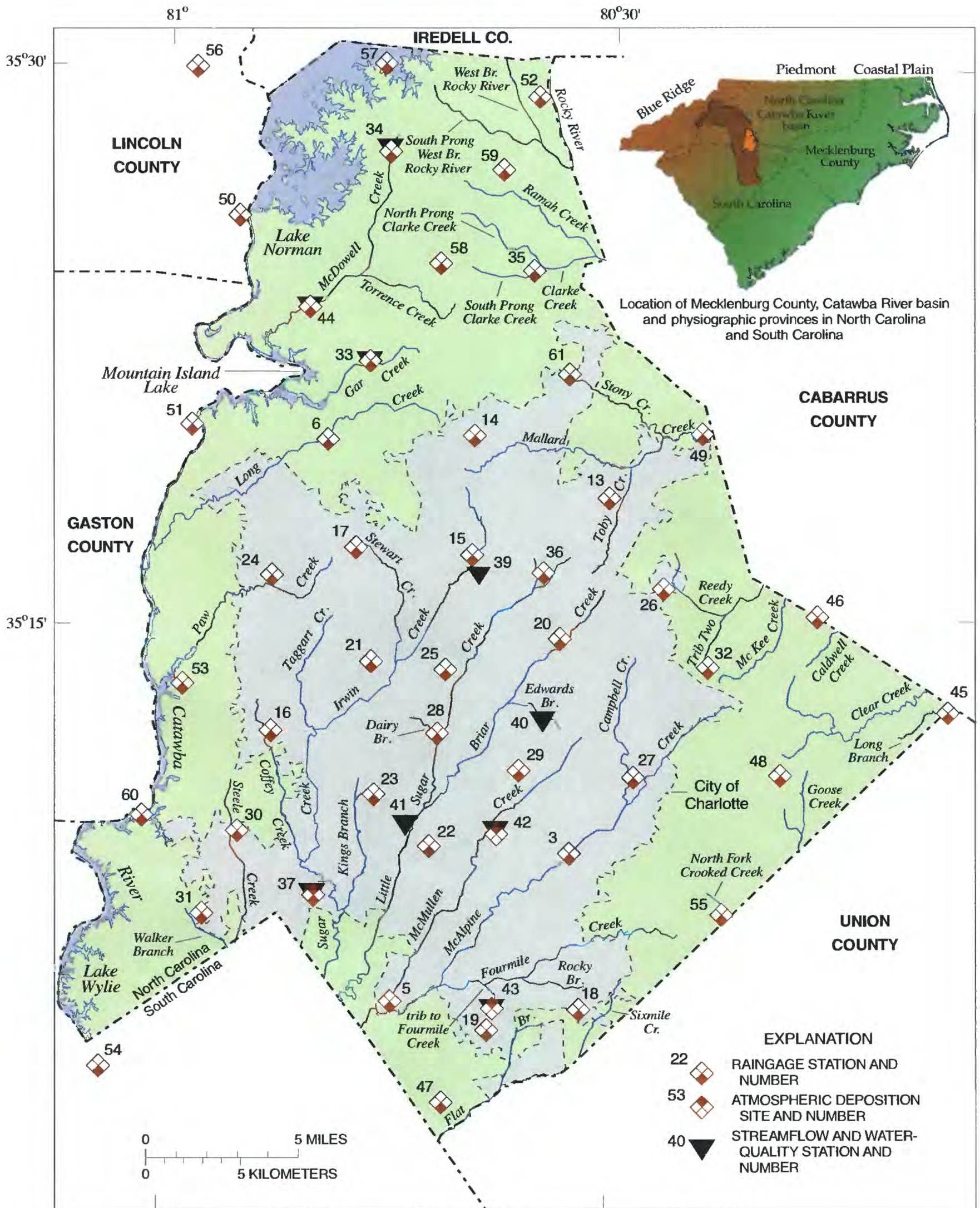


Figure 1. City of Charlotte and Mecklenburg County data-collection network, 1993-98.

Purpose and Scope

The purpose of this report is to summarize the precipitation and hydrologic data collected in Charlotte and Mecklenburg County from July 1997 through September 1998. Summary statistics are presented for the entire period of record (May 1994 through September 1998). The data collected include measurements of precipitation; atmospheric deposition; streamflow; physical characteristics, such as water temperature, pH, specific conductance, biochemical oxygen demand, oil and grease, and suspended-sediment concentrations; and concentrations of nutrients, metals and minor constituents, and organic compounds. This report also describes the field and laboratory methods that were used to collect and analyze these data. Earlier reports documented data that were collected during October 1993 through June 1995 (Robinson and others, 1996) and July 1995 through June 1997 (Robinson, Hazell, and Garrett, 1998).

The data-collection network that was initiated in October 1993 with the City of Charlotte, Mecklenburg County, and CMU consisted of 46 precipitation sites, 3 atmospheric deposition sites, and 9 stream sites (fig. 1), which were needed to determine the effects of land development on water quality and to evaluate the effectiveness of control measures. Six of the sites defined runoff characteristics from streams with differing land-use characteristics within the city; these sites were discontinued in September 1998. Three of the sites defined runoff characteristics from streams located within the county; these sites were discontinued in September 1997. These data will provide information needed for stormwater management, estimates of nonpoint-source constituent loadings to the Catawba River, and information needed to calibrate watershed models used for evaluating stormwater management options.

Study Area and Sites

Mecklenburg County is located in south-central North Carolina in the southern Piedmont Province (fig. 1). Prior to July 1998, the county encompassed an area of 528 square miles (mi²). County boundaries were changed slightly in the northwest corner on July 1, 1998. As a result, Mecklenburg County currently (1999) encompasses about 524 mi². The county is bounded on the west by the Catawba River

and its reservoirs—Lake Norman, Mountain Island Lake, and Lake Wylie (fig. 1). The Catawba River drains approximately 75 percent of the county. The remaining 25 percent of the county is drained by the Rocky River and its tributaries in the Pee Dee River Basin (McCachren, 1980). Lake Norman is the major water-supply reservoir for several municipalities in northern Mecklenburg County. Mountain Island Lake supplies Charlotte and several other municipalities in Mecklenburg and surrounding counties.

Charlotte is the principal municipality in Mecklenburg County and the largest city in North Carolina. The metropolitan area had a 1997 population of 513,000—an increase of approximately 55,000 people since 1994. An additional 97,000 people live in Mecklenburg County outside the city limits of Charlotte (Steve Patterson, City of Charlotte Planning Office, oral commun., 1997). The city area encompasses 234 mi², or approximately 45 percent of the county. Most of the city's urban area is drained by four large creeks—Irwin, Little Sugar, McAlpine, and Briar (fig. 1). Irwin, Little Sugar, and McAlpine Creeks receive effluent from Charlotte wastewater-treatment plants, as well as effluent from smaller dischargers.

The climate of the study area is characterized by hot, humid summers, moderate but short winters, and long growing seasons. The mean monthly temperature ranges from about 41 °F in January to about 79 °F in July. Precipitation in the study area averages about 43 inches per year (in/yr) (McCachren, 1980). The topography of the area is characterized by broad, gently rolling interstream areas and by steeper slopes along the drainageways. The elevation of the study area has a range of 520 feet (ft) above mean sea level at the State line south of Pineville, N.C., to about 830 ft in the extreme northern portion of the county (McCachren, 1980). The area is predominately underlain by granite with some slate in the southeast (LeGrand and Mundorff, 1952). The soils in the study area are described as well-drained sandy loams with a clayey subsoil (McCachren, 1980).

Precipitation Sites

Since 1963, the USGS has collected precipitation data at various locations throughout Charlotte and Mecklenburg County. Forty-six raingages provided precipitation data for this report (fig. 1; table 1). These raingage sites previously have been referred to by using Charlotte rainfall network (CRN) numbers, which are included in this report for reference.

Table 1. Precipitation network sites located in Mecklenburg County, October 1988 through September 1998

[Shaded rows indicate collection-well sites. All others are tipping bucket sites. CMU, Charlotte-Mecklenburg Utility Department; SR, Secondary Road; WWTP, wastewater-treatment plant]

Site no. (fig.1)	Station no. ^a	Latitude	Longitude	Location	Period of record ^b
3	02146600	35°08'14"	80°46'05"	CRN10, McAlpine Creek at Sardis Rd. nr Charlotte, N.C.	11/92-9/98
5	02146750	35°03'59"	80°52'12"	CRN06, McAlpine Creek below McMullen Creek nr Pineville, N.C.	5/93-9/98
6	02142900	35°19'42"	80°54'35"	CRN18, Long Creek nr Paw Creek, N.C., at Oakdale Rd.	3/93-9/98
13	351812080445545	35°18'12"	80°44'55"	CRN01, Fire Station 27, 111 Ken Hoffman Dr.	10/92-9/98
14	351954080493445	35°19'54"	80°49'34"	CRN02, Fire Station 28, 8013 Old Statesville Rd.	10/92-9/98
15	0214620760	35°16'32"	80°49'35"	CRN03, Irwin Creek at Starita Rd. at Charlotte, N.C.	10/92-9/98
16	351132080562345	35°11'32"	80°56'23"	CRN04, Fire Station 30, 4707 Belle Oaks Rd.	10/92-9/98
17	351642080533445	35°16'42"	80°53'34"	CRN05, CMU, Administration Building, 5100 Brookshire Blvd.	10/92-9/98
18	350351080454145	35°03'51"	80°45'41"	CRN07, Fire Station 9, 4529 McKee Rd.	10/92-9/98
19	350314080484945	35°03'14"	80°48'49"	CRN08, 11515 Elm Lane at intersection of Providence Rd. West ^c	10/92-9/98
20	351414080463245	35°14'14"	80°46'32"	CRN09, Fire Station 15, 3617 Frontenac Ave.	11/92-9/98
21	351331080525945	35°13'31"	80°52'59"	CRN11, Fire Station 10, 2135 Remount Rd.	11/92-9/98
22	350823080505345	35°08'23"	80°50'53"	CRN12, Fire Station 16, 6623 Park South Dr.	3/93-9/98
23	350947080524945	35°09'47"	80°52'49"	CRN13, USGS Office, 810 Tyvola Rd.	3/93-9/98
24	351553080562645	35°15'53"	80°56'26"	CRN14, Fire Station 21, 1023 Little Rock Rd.	3/93-9/98
25	351320080502645	35°13'20"	80°50'26"	CRN15, Charlotte-Mecklenburg Govt. Center, 600 E. Fourth St.	3/93-9/98
26	351540080430045	35°15'40"	80°43'00"	CRN16, Reedy Creek Environmental Center, 2900 Rocky River Rd.	3/93-9/98
27	351023080435745	35°10'23"	80°43'57"	CRN17, Piney Grove Elementary School, 8801 Eaglewind Dr.	3/93-9/98
28	351132080504145	35°11'32"	80°50'41"	CRN19, Freedom Park, Cumberland Dr.	9/93-9/98
29	351032080475245	35°10'32"	80°47'52"	CRN20, Fire Station 14, 114 N. Sharon Amity Rd.	9/93-9/98
30	350842080572801	35°08'42"	80°57'28"	CRN21, Kennedy Middle School, 4000 Gallant Lane	9/90-9/98
31	350623080583801	35°06'23"	80°58'38"	CRN22, Walker Branch Basin, Choate Cir.	9/90-9/98
32	351302080412701	35°13'02"	80°41'27"	CRN23, Harrisburg Rd. Landfill, 7817 Harrisburg Rd.	10/88-9/98
33	0214266075	35°21'55"	80°53'12"	CRN25, Gar Creek at SR 2120 (McCoy Rd.) nr Oakdale, N.C.	4/94-9/98
34	02142651	35°27'49"	80°52'36"	CRN24, McDowell Creek at Westmoreland Rd. nr Cornelius, N.C.	5/94-9/98
35	352432080473745	35°24'32"	80°47'37"	CRN26, Bradford Airfield, Huntersville-Concord Rd.	6/94-9/98
36	351604080470845	35°16'04"	80°47'08"	CRN27, Hidden Valley Elementary School, 5100 Snow White Lane	10/94-9/98
37	0214635212	35°06'57"	80°54'49"	CRN28, Unnamed tributary to Sugar Creek at Crompton St.	4/95-9/98
44	0214266000	35°23'22"	80°55'16"	CRN41, McDowell Creek nr Charlotte	11/96-9/98
45	351218080331345	35°12'18"	80°33'13"	CRN29, Clear Creek Boy Scout Camp, 9408 Belt Rd.	2/96-9/98
46	351455080374445	35°14'55"	80°37'44"	CRN30, Rhyne Farm, 3600 Peach Orchard Rd.	2/96-9/98
47	350110080502045	35°01'10"	80°50'20"	CRN31, Elon Homes, 11401 Ardrey-Kell Rd.	2/96-9/98
48	351028080385545	35°10'28"	80°38'55"	CRN32, Bain Elementary School, 11524 Bain School Rd.	2/96-9/98
49	352000080414645	35°20'00"	80°41'46"	CRN33, Mallard Creek WWTP, 12400 Hwy. 29 North	12/95-9/98
50	352555080574445	35°25'55"	80°57'44"	CRN34, Cowans Ford Dam area, 257 Duke Lane	2/96-9/98
51	0214267600	35°20'02"	80°59'12"	CRN35, Catawba River at Mountain Island Dam	1/96-9/98
52	352921080473245	35°29'21"	80°47'32"	CRN36, West Fork substation, 20801 Shearer Rd.	2/96-9/98
53	351247080592745	35°12'47"	80°59'27"	CRN37, Berryhill Elementary School, 10501 Walkers Ferry Rd.	2/96-9/98
54	350200081020345	35°02'00"	81°02'03"	CRN38, Tega Cay city offices, 7000 Tega Cay Dr.	2/96-9/98
55	350634080405245	35°06'34"	80°40'52"	CRN39, Phillips Farm, 2248 Mount Harmony Church Rd.	2/96-9/98
56	353003080591745	35°30'03"	80°59'17"	CRN40, Westport Golf Course ^d	2/96-9/98
57	353014080524945	35°30'14"	80°52'49"	CRN42, Horton pool house, 21509 Norman Shores Dr.	1/97-9/98
58	352440080505045	35°24'40"	80°50'50"	CRN43, Huntersville Elementary School, 200 Gilead Rd.	1/97-9/98
59	352718080484345	35°27'18"	80°48'43"	CRN44, Knox Farm, 13516 Mayes Rd.	1/97-9/98
60	350903081004545	35°09'03"	81°00'45"	CRN45, 12700 Withers Cove Rd.	1/97-9/98
61	352135080462045	35°21'35"	80°46'20"	CRN46, Oehler Farm, 3491 Johnston-Oehler Rd.	1/97-9/98

^aStation number is assigned by the U.S. Geological Survey and is based on geographic location. The "downstream order number" system is used for streamflow sites, and the "latitude-longitude" system is used for well sites.

^bPrecipitation data collection currently (1999) is ongoing.

^cPrior to August 4, 1994, located at McAlpine Creek Elementary School, 9100 Carswell Lane, station number 350458080493245.

^dPrior to June 4, 1996, located at Lake Norman Volunteer Fire Department, 1206 Brawley School Road, station number 35340208C 543145.

The primary criterion for site selection of raingage locations was to provide good areal coverage of Charlotte and Mecklenburg County. Consideration also was given to providing optimum precipitation data for water-quality sampling events and to combining installations with existing stream-gaging locations. Four raingages were installed with streamflow and water-quality sites—sites 33, 34, 37, and 44. Three raingages were installed at existing USGS stream-gaging stations—sites 3, 5, and 6 (fig. 1; table 1). Data collection currently (1999) is ongoing at all 46 raingages.

Forty-one named stream basins are covered by the raingage locations, including all major stream basins in Charlotte and Mecklenburg County (fig. 1). Figure 2 is a generalized chart that identifies the

raingages and the specific stream subbasins in which they are located. Four raingages—sites 14, 18, 46, and 59—are located on basin divides and, therefore, represent rainfall coverage in multiple headwater basins.

Atmospheric Deposition Sites

Atmospheric deposition sites were located in basins with existing streamflow and water-quality data-collection sites. Atmospheric deposition data were collected at sites 37, 42, and 43, which represent different land uses in Charlotte (fig. 1; table 2). A detailed description of these sites is given in the following section. Atmospheric deposition samples were collected weekly from March 1997 through March 1998.

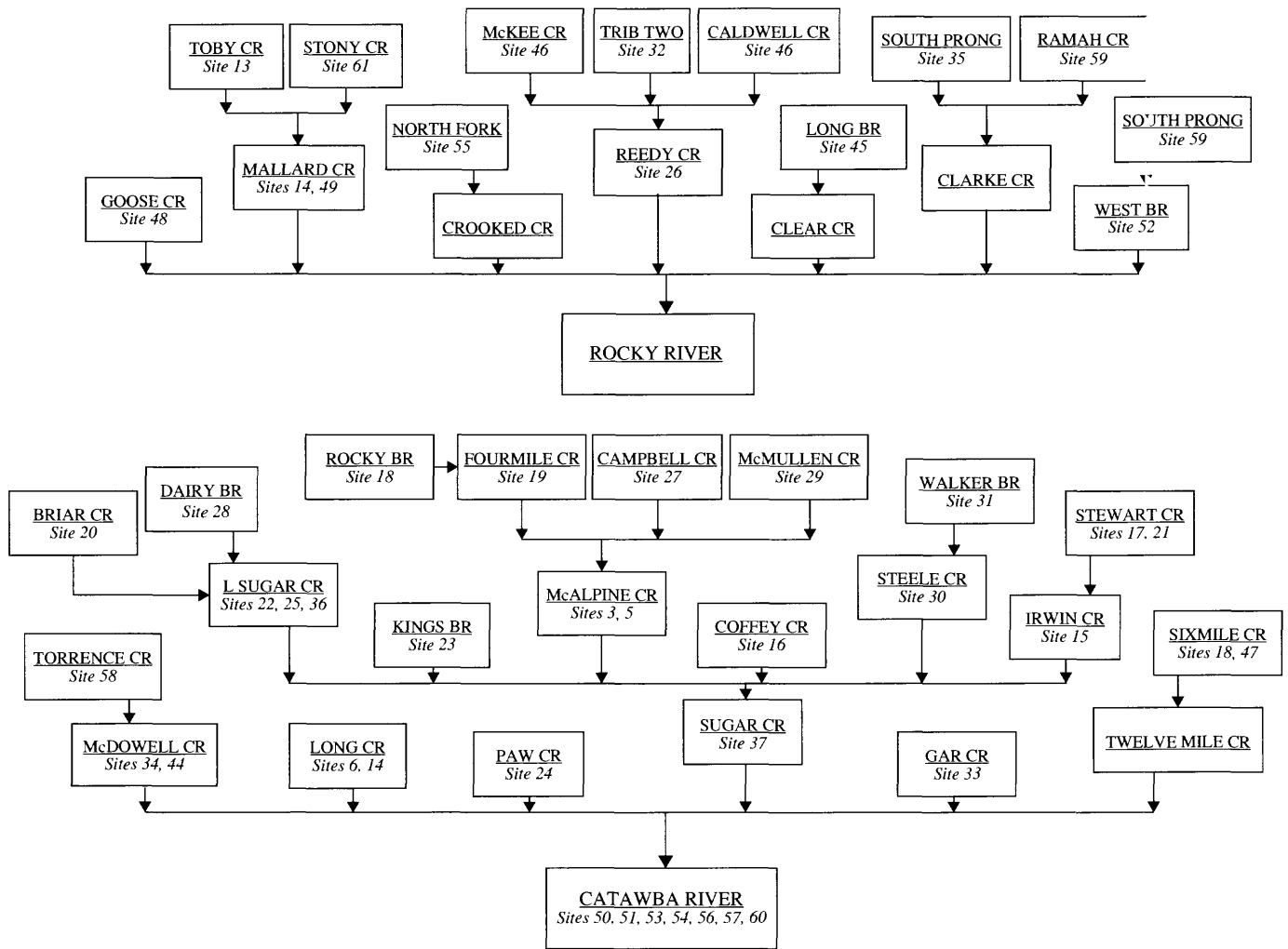


Figure 2. Raingage locations, by basin, in Charlotte and Mecklenburg County.

Table 2. Types of data collected at streamflow and water-quality sites, December 1993 through September 1998

Site no. (fig. 1)	Station name and no. ^a	Latitude/Longitude	Drainage area (square miles)	Land use	Continuous discharge	Coliform	Period of record					
							Physical and chemical properties	Nutrients	Metals and minor constituents	Oil and grease	Total organic carbon	Synthetic organic compounds
33	Gar Creek at Secondary Road 2120 near Oakdale, 0214266075 (CSW08)	35°21'55"/80°53'12"	2.672	Mixed	4/94-9/97 ^b	2/95-9/97	6/94-9/97	6/94-9/97	6/94-9/97	6/94-9/97	6/94-9/97	6/94-9/97
34	McDowell Creek near Cornelius, 02142651 (CSW09)	35°27'49"/80°52'36"	2.350	Mixed	5/94-9/97 ^b	2/95-9/97	6/94-9/97	6/94-9/97	6/94-9/97	8/94-9/97	8/94-9/97	6/94-9/97
37	^c Unnamed tributary to Sugar Creek at Crompton Street, 0214635212 (CSW06)	35°06'57"/80°54'49"	.063	Light industrial	4/95-9/98 ^d	5/95-9/98	5/95-9/98	5/95-9/98	5/95-9/98	5/95-9/98	5/95-9/98	5/95-9/98
39	Irwin Creek tributary below Starita Road at Charlotte, 0214620805 (CSW05)	35°16'20"/80°49'30"	.022	Heavy industrial	3/94-9/98 ^d	11/94-9/98	6/94-9/98	6/94-9/98	6/94-9/98	8/94-9/98	8/94-9/98	8/94-9/98
40	Edwards Branch tributary storm drain at Charlotte, 0214643840 (CSW03)	35°11'53"/80°47'01"	.023	Medium-density residential	7/94-9/98 ^d	11/94-9/98	7/94-9/98	7/94-9/98	7/94-9/98	1/95-9/98	7/94-9/98	1/95-9/98
41	Little Sugar Creek tributary above Archdale Drive near Charlotte, 0214650690 (CSW02)	35°08'54"/80°51'40"	.123	Residential	12/93-9/98 ^d	2/95-9/98	5/94-9/98	5/94-9/98	5/94-9/98	5/94-9/98	5/94-9/98	5/94-9/98
42	^e McMullen Creek tributary near Charlotte, 0214669980 (CSW04)	35°08'47"/80°48'34"	.126	Residential and institutional	12/93-9/98 ^d	11/94-9/98	5/94-9/98	5/94-9/98	5/94-9/98	5/94-9/98	5/94-9/98	5/94-9/98
43	^f Tourmile Creek tributary near Providence, 0214666925 (CSW07)	35°03'48"/80°48'36"	.266	Forest and residential	6/94-9/98 ^d	2/95-9/98	6/94-9/98	6/94-9/98	6/94-9/98	7/94-9/98	7/94-9/98	7/94-9/98
44	McDowell Creek near Charlotte, 0214266000 (CSW10)	35°23'22"/80°55'16"	26.3	Mixed	11/96-9/98 ^e	12/96-9/97	11/96-9/97	11/96-9/97	11/96-9/97	2/97-9/97	2/97-9/97	2/97-9/97

^aStation number is assigned by the U.S. Geological Survey and is based on geographic location. The "downstream order number" system is used for streamflow sites.

^bStreamflow and water-quality data collection discontinued September 1997. Data published in Robinson and others (1996) and Robinson, Hazell, and Garrett (1998).

^cAtmospheric deposition data collected March 1997 through March 1998.

^dStreamflow and water-quality data collection discontinued September 1998.

^eStreamflow data collection is ongoing at date of publication of this report. Water-quality data collection discontinued September 1997. Data published in Robinson, Hazell, and Garrett (1998) and Ragland and others (1999).

Streamflow and Water-Quality Sites

Streamflow and water-quality site selection was based on the size of the drainage areas and the type of land use. The land-use information presented in this report was obtained from the City of Charlotte and is based on data classified from 1990 aerial photographs and reconnaissance conducted by USGS personnel. Basin land-use maps previously have been published (Robinson and others, 1996) except for site 44. Six sites were chosen within the city limits of Charlotte—sites 37, 39, 40, 41, 42, and 43; and three sites were chosen in the northern part of the county—sites 33, 34, and 44 (fig. 1; table 2). These sites have previously been referred to using Charlotte stormwater (CSW) numbers; those CSW numbers are included in this report for reference.

Each site within the city drained into one of the four major streams carrying runoff from the metropolitan area. Sites 33, 34, and 44 all drained directly into Mountain Island Lake water-supply reservoir. All sites had continuous records of stage and discharge, water temperature, and specific conductance. Water-quality samples were collected once per season when possible, during runoff events.

Streamflow and water-quality data collection was discontinued at sites 33 and 34 in September 1997. Collection of water-quality data was discontinued at

site 44 in September 1997; however, streamflow data collection currently (1999) is ongoing (Ragland and others, 1999). Streamflow and water-quality data collected through September 1997 at sites 33, 34, and 44 are presented in Robinson, Hazell, and Garrett (1998); thus, these sites are not discussed further in this report. Streamflow and water-quality data collection at sites 37, 39, 40, 41, 42, and 43 was discontinued in September 1998.

Site 37 is located on a tributary to Sugar Creek (fig. 1). The drainage area encompasses 0.063 mi² and consists of light industrial, light commercial, and some woods or brush (table 3). A small portion of an active railroad also is within the basin.

Site 39 is located on a tributary to Irwin Creek (fig. 1). Land use is almost entirely heavy industrial with a drainage area of 0.022 mi² (table 3).

Site 40 is located in a storm drain to a tributary of Edwards Branch, which flows into Briar Creek (fig. 1). Land use is almost entirely medium-density residential (table 3) with a drainage area of 0.023 mi². A very small portion of the basin includes some light industry as well as an elementary school.

Site 41 is located on a tributary to Little Sugar Creek (fig. 1) and has a multi-use drainage area of 0.123 mi². Residential housing is the primary land use. The basin also includes a portion of a large chemical

Table 3. Land-use distribution, in percent, for study site drainage areas

[Values are in percent. —, no land-use data for this category]

Site no. (fig. 1)	Woods/ Brush	Residential				Institu- tional	Industrial		Commercia ^a	
		Greater than 2 acres	Greater than 1/2 to 2 acres	Greater than 1/4 to 1/2 acre	Less than or equal to 1/4 acre		Light ^a	Heavy ^b	Light ^a	Heavy ^b
37 [CSW06]	10.3	0.1	—	—	—	—	63.5	—	26.1	—
39 [CSW05]	.1	—	—	—	—	—	—	99.8	.1	—
40 [CSW03]	—	—	2.1	96.8	—	—	1.1	—	—	—
41 [CSW02]	1.7	—	—	57.7	—	5.8	—	22.9	11.9	—
42 [CSW04]	—	—	7.9	19.4	31.3	40.6	—	—	.8	—
43 [CSW07]	17.2	—	2.5	33.0	—	3.2	—	—	44.1	—

^aLight is defined as less than 44 percent impervious.

^bHeavy is defined as greater than 56 percent impervious.

research laboratory, an elementary school, and some light commercial activity (table 3).

Site 42 is located on a tributary to McMullen Creek (fig. 1) and has a drainage area of 0.126 mi². Land use within the basin is residential and institutional (a private school). Some light commercial activity also is present (table 3).

Site 43 is located on a tributary to Fourmile Creek (fig. 1). At the time of site selection, existing land use was predominately light commercial, single-family residential, and woods/brush (table 3). Future development for the basin was planned, and much of the drainage area is now residential (single and multi-family) and light commercial, with ongoing new construction. A large church, a rest home, and some woods/brush also are present. The drainage area is 0.266 mi².

DATA-COLLECTION METHODS

All sites were equipped with electronic dataloggers for instrument operation and data collection. Storage modules with independent, internal batteries and nonvolatile memory also stored programs and data for backup. Modems at the sites allowed remote communication and interaction with the dataloggers. Software was developed to automatically retrieve and process data daily. Remote interaction also allowed users to monitor, test, and activate peripheral devices from any offsite location.

Precipitation Data

Two types of raingages were installed in the study area—tipping bucket raingages and 3-inch (in.) diameter collection wells with water-level sensors. The type of rainfall measuring equipment installed was determined on a site-by-site basis. Thirteen sites initially were installed with collection-well pipes in less secure areas or where tipping buckets were not feasible. Site 17 was converted to a tipping bucket site on Dec. 29, 1994. As of September 1998, there were 34 tipping bucket sites and 12 collection-well sites (table 1).

All sites recorded rainfall amounts at 5-minute intervals. The raingages located at water-quality sampling sites also recorded rainfall at 1-minute intervals when rainfall was detected. During periods of equipment problems when incremental resolution was lost, total rainfall still may have been measured.

Although neither type of raingage was designed to measure frozen precipitation, rainfall equivalent totals may have been recorded as the frozen precipitation in the catchment was melted by warming temperatures. When possible, daily or monthly totals were computed and published.

Atmospheric Deposition Data

Atmospheric deposition data collection began in March 1997 and continued through March 1998 at sites 37, 42, and 43 (fig. 1; table 2). Hydrologic data included the quantity of wet deposition and analysis of wet-deposition samples for specific conductance, pH, nutrients, selected metals, chloride, and sulfate. No collection of dry deposition (dust particles) was conducted during this investigation.

Wet-deposition samples were collected using an automatic wet/dry sampler equipped with a plastic sample-collection container and powered by a 12-volt battery. This device had a motorized protective lid that kept the sample-collection container covered during periods of no precipitation. When the moisture sensor detected precipitation, the lid mechanically moved to allow wet deposition to be collected in the sample container. When the precipitation stopped, the lid mechanically returned to the protective position. Samples typically were retrieved on Monday of each week.

Samples were weighed in the USGS Charlotte Field Office using an analytical balance. Once weighed, the precipitation amount was computed in inches equivalent. Samples were then decanted directly from the collection container into the appropriate subsample containers, preserved, and delivered to the laboratory for analysis.

Streamflow and Water-Quality Data

Data collection began in December 1993 at sites 41 and 42, in March 1994 at site 39, in June 1994 at site 43, in July 1994 at site 40, and in April 1995 at site 37. Hydrologic data included measurements of streamflow, fecal coliform bacteria, physical and chemical properties, nutrients, concentrations of metals and minor constituents, oil and grease, organic compounds in water (table 2), and suspended sediment. Streamflow and water-quality data collection were discontinued September 1998.

Instrumentation at each site included sensors for the collection of water level, water temperature, and specific conductance data. Water-quality samples were collected by using an automatic refrigerated sampler. All equipment was housed in a walk-in shelter with alternating current. Site 37 had a tipping bucket raingage for the collection of precipitation data.

Continuous-record gages were established at each site. Because of the rapid response of streamflow to precipitation in small urban basins, instantaneous water levels (stage) were recorded every 5 minutes. Water levels were recorded every minute when stream stage rose above a predetermined threshold and during water-quality sampling events. At the beginning of the study (December 1993), the recording interval at sites 41 and 42 was 15 minutes.

Where conditions allowed, streamflow (discharge) was measured by following procedures outlined by Rantz and others (1982). Stage-discharge relations, or ratings, were subsequently developed and used to quantify streamflow at each recorded 5-minute interval. In the absence of suitable measuring conditions, concrete weirs, V-notches, and indirect methods of flow computations were used to define the stage-discharge relations. The point control and, therefore, the stage-discharge relations remained stable at all sites throughout the study period.

The accuracy of the discharge records depends primarily on (1) the stability of the stage-discharge relation and (2) the accuracy of the measurement of stage. Accuracy is attributed to the discharge records as follows: "Excellent" means that about 95 percent of the daily discharges are within 5 percent of the true value; "good," within 10 percent; and "fair," within 15 percent. Records that do not meet these criteria are rated "poor." Rated accuracy of records for each site is shown in table 4.

Water temperature and specific conductance were measured every 5 minutes with an in situ probe. Initially, these data also were collected at 1-minute intervals when flow was above the predetermined threshold and during water-quality sampling events. Review of these data indicated that water temperature and specific conductance did not vary significantly at 1-minute intervals. Thus, the collection interval was increased to 5 minutes in June 1995. Specific conductance measurements also were made with grab samples collected during an event.

Measurements of pH were made during water-quality sampling events. Prior to January 1996, pH was

Table 4. Accuracy of discharge records at streamflow and water-quality sites

[ft³/s, cubic foot per second]

Site no. (fig. 1)	Flow range (ft ³ /s)	Rating
37 (CSW06)	0.00 to < 2.20	good
	≥ 2.20	fair
39 (CSW05)	0.00 to < 1.50	good
	1.50 to < 2.50	fair
	≥ 2.50	poor
40 (CSW03)	0.00 to < 1.00	good
	1.00 to < 3.00	fair
	≥ 3.00	poor
41 (CSW02)	0.00 to < 1.50	good
	1.50 to < 3.00	fair
	≥ 3.00	poor
42 (CSW04)	0.00 to < 0.80	good
	0.80 to < 2.00	fair
	≥ 2.00	poor
43 (CSW07)	all	poor

measured by using a probe that was mounted in a flow-through cell connected to a water pump. Collection of pH data was initiated simultaneously with water-quality sample collection and continued for a period of 10 minutes. After January 1996, raw water samples collected by the automatic samplers, as well as grab samples collected during an event, were used for pH determinations.

Water samples were collected at each study site during runoff events, once per season when possible. The criteria, provided by the cooperators, that were used to determine if the sampled event met the requirements of the project were (1) the minimum period between sampled events was at least 21 days, (2) the rainfall duration was between 3 and 13 hours, (3) the rainfall amount was between 0.2 and 0.8 in., and (4) less than 0.1 in. of rainfall had occurred in the 72 hours prior to the sampled event. The rainfall amount could exceed 0.8 in. and (or) the duration could be longer than 13 hours as long as the total rainfall amount during the first 3 hours was less than 0.8 in. Every effort was made to adhere to these criteria, but there were times when all criteria were not met.

Generally, three discrete samples were collected during increasing, near peak, and receding streamflows associated with the runoff event. The specific conductance and pH of each sample were measured as the sample was processed. Samples were analyzed for a broad range of constituents.

Water samples for inorganic analysis were collected using an automatic refrigerated sampler. Each discrete sample consisted of two raw water samples collected in 1.9-liter glass bottles. The two bottles were composited in a polycarbonate churn splitter, processed and preserved as described by Horowitz and others (1994), and analyzed by the USGS National Water Quality Laboratory. Beginning in September 1995, the Mecklenburg County Department of Environmental Protection Laboratory began analyzing the samples that were collected for inorganic constituents. These samples were preserved as required by the Mecklenburg County laboratory (table 5). Total organic carbon (TOC) samples were taken from the discrete samples prior to placement in the churn splitter. Samples for the analysis of dissolved constituents were filtered through a 0.45-micron pore-size capsule filter by using a peristaltic pump.

Samples for most organic analyses were collected using an automatic refrigerated sampler with methanol-cleaned Teflon tubing or by hand as a grab sample. Pesticide samples were collected during the spring and were decanted directly from the glass collection bottles to the appropriate sample containers.

Grab samples included oil and grease and volatile organic compounds (VOC's), which were collected during the first 20–30 minutes of the runoff event. Bacteria samples were collected manually during increasing, near peak, and receding streamflows. Because of possible contamination from methanol-cleaned tubing used in the automatic sampler during the spring, TOC was collected as a grab sample during spring sampling events.

Quality-Assurance Procedures

Quality-assurance procedures for precipitation, atmospheric deposition, streamflow, and water-quality data collection and processing are presented in the following sections. All procedures followed standard USGS guidelines as documented in each section. Detailed quality-assurance procedures were prepared and are documented in a USGS administrative report (U.S. Geological Survey, written commun., 1997).

Precipitation Data

Tipping bucket raingages were delivered from the factory with documented calibration. Factory calibration consisted of pouring a known amount of water into the bucket at a fixed rate and comparing the

recorded amount with the known rainfall equivalency. Collection-well raingages were designed and constructed according to generally accepted standards.

All sites were field calibrated in July and August 1998. Tipping buckets were calibrated using a technique similar to that applied in the factory. At collection-well sites, catchment dimensions were measured and a surface area was computed. A known amount of water was poured into the catchment, and the rainfall total recorded was compared to the rainfall equivalent of the known volume. Measured precipitation for 32 raingages was within 5 percent of the actual amount, and all of the raingages recorded precipitation within 12 percent of the actual amount. Where errors greater than 5 percent were computed, the equipment was adjusted and recalibrated. No corrections were applied to the data.

Sites were visited on an average of once every 6 to 8 weeks. Initial readings of time and rainfall were recorded. Catchments, funnels, and tubing were inspected for blockage, and conditions were noted. Catchments and funnels were wiped clean and rinsed free of debris. Tubing was reamed, rinsed, and brushed clean. Battery voltage was measured with an external volt meter, and the reading was compared to that of the datalogger. Freshly charged batteries were installed as needed. The installation and phone lines were inspected for vandalism or tampering.

Tipping bucket pivots were oiled, and buckets were inspected for freedom of movement and assurance of interaction with the datalogger. After draining a collection well, a small amount of water was returned to the well. Inspections included visibly watching the float wheel turn and physically checking the response of the float wheel.

Final readings of time and rainfall were recorded before leaving the site. After completion of the site visit but before leaving the area of the site, contact was made with the datalogger by using a cellular phone to assure that all phone connections were working properly.

Data were automatically retrieved daily by modem and phone line. Daily summary printouts available for inspection include: daily rainfall total, accumulated rainfall total since last service, and battery voltage. A location map of the raingages with corresponding rainfall totals for the previous day also is available. This allows for early identification and correction of problems.

Data were inspected for signs of drifting float wheels. This drift is easily spotted, and any

Table 5. Containers, container treatment, and preservation procedures required for samples collected at the streamflow and water-quality study sites and analyzed by the Mecklenburg County Department of Environmental Protection Laboratory, July 1997 through September 1998

[°C, degrees Celsius; mL, milliliter]

Compounds, elements, or properties analyzed	Container size	Container type	Container treatment and sample preservation
Physical and chemical properties			
Dissolved solids, residue at 180 °C	500 mL	Polyethylene, red cap, disposable	Filter through a disposable capsule filter with 0.45-micron pore size; use filtered sample to rinse containers.
pH, specific conductance, alkalinity, chloride, sulfate	1,000 mL	Polyethylene, blue cap, disposable	Unfiltered; use unfiltered sample to rinse containers.
Volatile suspended solids, total suspended solids	1,000 mL	Polyethylene, blue cap, disposable	Unfiltered; use unfiltered sample to rinse containers.
Chemical oxygen demand	250 mL	Polyethylene, orange cap, disposable	Acidify collected sample with 1.0 mL H ₂ SO ₄ ; chill and maintain sample at 4 °C.
Biochemical oxygen demand ^a	1,000 mL	Polyethylene, blue cap, disposable	Unfiltered, chill and maintain sample at 4 °C.
Coliform ^a	200 mL	Glass	Sterile, chill and maintain sample at 4 °C.
Nutrients			
Dissolved nutrients	250 mL	Polyethylene, green cap, disposable	Filter through a disposable capsule filter with 0.45-micron pore size; use filtered sample to rinse containers. Add 1.0 mL H ₂ SO ₄ ; chill and maintain sample at 4 °C.
Total nutrients	250 mL	Polyethylene, orange cap, disposable	Unfiltered; use unfiltered sample to rinse containers. Add 1.0 mL H ₂ SO ₄ ; chill and maintain sample at 4 °C.
Metals and minor constituents			
As, Se, Hg, Sb, Be, Cr, Cu, Cd, Pb, Ni, Ag, Zn	500 mL	Polyethylene, acid rinsed, white cap, disposable	Unfiltered; use unfiltered sample to rinse containers. Add 1.25 mL of HNO ₃ .
Organic compounds			
Oil and grease	2,500 mL	Glass	Surface skim, unfiltered. Add 5.0 mL HCl.
Pesticides and herbicides ^b	1 L	Glass, amber	Bottle baked at 450 °C. Do not rinse container in field. Chill and maintain sample at 4 °C.
Total organic carbon ^b	125 mL	Glass, amber	Bottle baked at 450 °C. Do not rinse container in field. Chill and maintain sample at 4 °C.
Volatile organic compounds ^b	40 mL	Glass septum vial, amber	Do not rinse container in field. Exclude all air bubble ^c in sample by completely filling vial. Acidify sample with HCl to pH <2. Protect sample from sunlight. Chill and maintain sample at 4 °C.
Sediment			
Suspended sediment ^c	1 pint	Glass	None.

^a Analyses performed by the Mecklenburg County Department of Environmental Protection, May 1994 through September 1998.

^b Analyses performed by the U.S. Geological Survey National Water-Quality Laboratory, May 1994 through September 1998.

^c Analyses performed by U.S. Geological Survey Sediment Laboratories, May 1994 through September 1998.

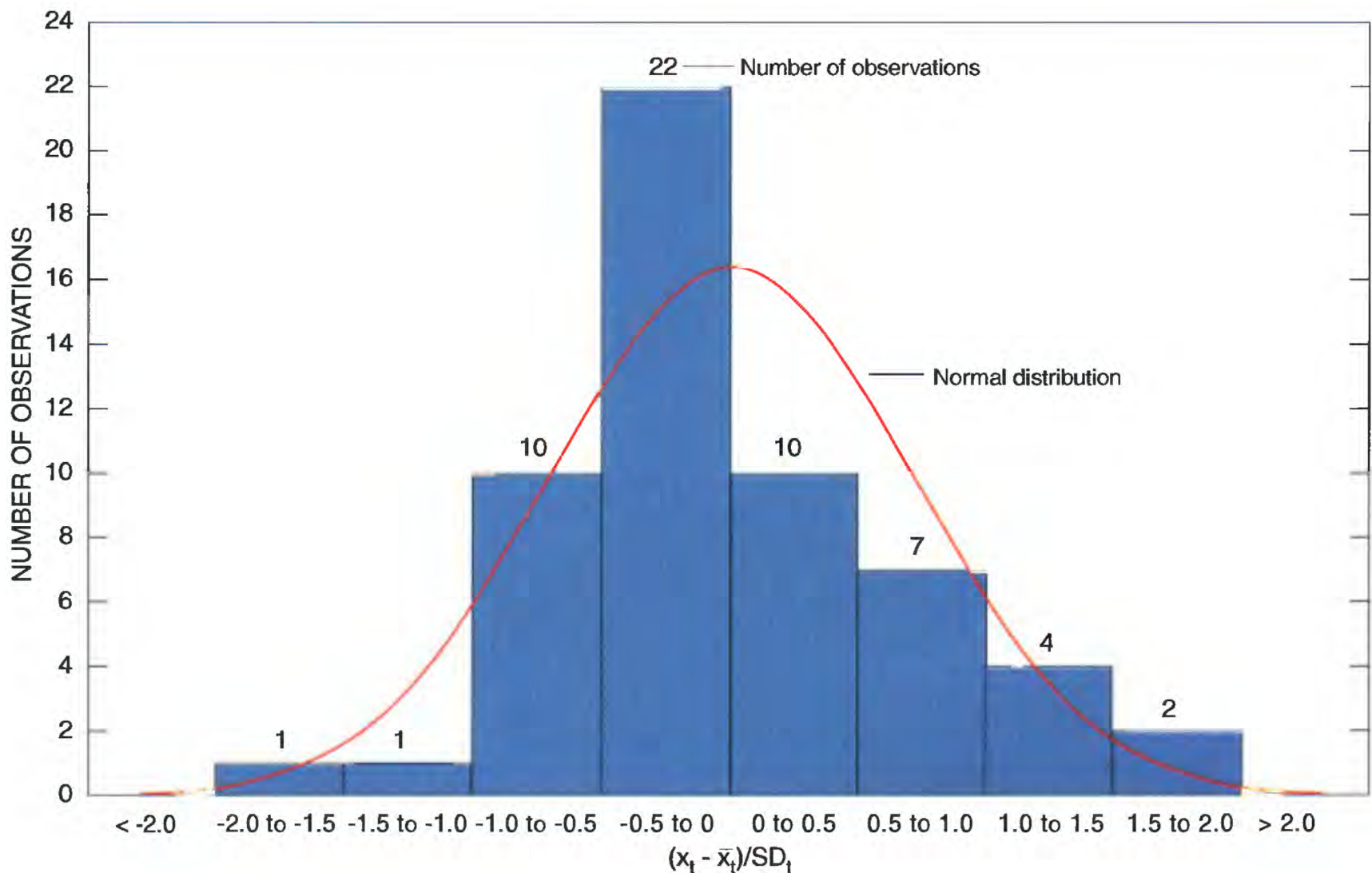
accumulated rainfall amounts resulting from the drift were removed from the database. Rainfall data during and after site visits were inspected and compared to field notes to assure proper readings. Daily totals were compared with data from surrounding sites to check for reasonable agreement.

During periods of sub-freezing air temperature or suspected frozen precipitation, data were inspected for signs of improper recording of precipitation. Incremental data for periods of apparent frozen precipitation were deleted from the database. When possible, daily or monthly totals were estimated on the basis of readings recorded as the snow and ice melted.

The mean and standard deviation of monthly rainfall totals for all of the gages in the network were

computed. These statistics were used to identify stations that reported rainfall amounts significantly different from most of the other stations in the network. Monthly statistics for the period October 1993 to September 1998 were evaluated to determine if individual sites consistently reported rainfall amounts that were at least two standard deviations less than or greater than the monthly mean. For example, monthly totals available for the period of record at site 21 (CRN11) indicate that all of the monthly totals fell within two standard deviations of the mean for the respective month (fig. 3).

From July 1997 through September 1998, there were 690 station months of record. There were seven occurrences of monthly rainfall amounts at least two



EXPLANATION

- x MONTHLY RAINFALL TOTAL AT SITE 21
- \bar{x} MONTHLY MEAN RAINFALL FOR ENTIRE NETWORK
- SD MONTHLY RAINFALL STANDARD DEVIATION FOR ENTIRE NETWORK
- 1 EACH MONTH IN PERIOD OCTOBER 1993 THROUGH SEPTEMBER 1998

Figure 3. Statistical summary of monthly rainfall totals at site 21 (CRN11).

standard deviations less than the monthly mean and 16 occurrences of monthly rainfall amounts at least two standard deviations greater than the monthly mean. In general, there did not appear to be a consistent over or under reporting of rainfall at any of the stations.

Atmospheric Deposition Data

Installation and operation of the automatic wet/dry samplers were in accordance with protocols established by the National Atmospheric Deposition Program (NADP) (Bigelow, 1984; Bigelow and Dossett, 1988), except samples were retrieved on Mondays rather than Tuesdays. Samplers were equipped with polycarbonate protective lids and Teflon-coated arms to prevent metal contamination of samples collected for metals and minor constituents.

Plastic sample-collection containers were prepared by washing with a nonphosphate detergent and soaking in a 5-percent hydrochloric acid solution as described by Horowitz and others (1994). Equipment was assigned to each site to prevent possible cross-contamination between sites.

Quality-assurance samples composed approximately 20 percent of the samples analyzed. Equipment blanks using inorganic blank water provided by the USGS laboratory were prepared and analyzed for nutrients and metals and minor constituents to validate the cleaning procedures and to ensure that no contaminants were leaching from the sample-collection container. The quality-assurance blanks for nutrients were analyzed using the low-level automated-segment flow (ASF) method (Fishman, 1993), and the metals and minor constituents were analyzed using the Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) method (Faires, 1993; Fishman, 1993; Struzeski and others, 1996). In addition, split samples were analyzed periodically for each site when sample volume allowed.

Streamflow and Water-Quality Data

Installation and operation of the continuous-record gages were in accordance with USGS standards described in the Techniques of Water-Resources Investigations (TWRI) series of manuals published by the USGS. Streamflow was measured, and discharge record from stage was computed according to TWRI specifications.

Discharge measurements were made as needed at each site to develop stage-discharge relation curves.

Periodic check measurements of the rating were made when warranted by extreme or unstable conditions. Variable stage-discharge shifts were generally applied for periods when the absolute difference between the measured discharge and the expected discharge from the rating curve exceeded 5 percent.

Site visits routinely were conducted once every 4 to 6 weeks. Corrections to gage height record were made when the absolute difference between the reference gage observations and the water-level sensor exceeded 0.015 ft.

All sensors that were used for measuring water temperature and specific conductance were tested prior to being placed in the field. Thereafter, sensors were routinely calibrated every 4 to 6 weeks. This procedure began with an initial check of the probe in its current state. The probes were then thoroughly cleaned and calibrated by using several standards. Adjustments to the sensor readings were applied over time and range, as needed, on the basis of calibration records. Sensors were calibrated as soon as possible following sampling events to minimize any potential problems with drift.

All data were automatically retrieved daily using a modem and phone line. Plots of stage and specific conductance for the 4 previous days were generated and reviewed daily. This allowed quick detection and reconciliation of potential problems caused by instrumentation malfunctions.

The water temperature sensor was calibrated by using either an American Bureau of Standard's mercury thermometer or an electronic thermistor that previously had been calibrated. The thermometer or thermistor was placed in the stream and allowed to equilibrate prior to disturbing the temperature sensor. All readings were recorded on the calibration sheet. The temperature sensor then was removed, cleaned, returned to the stream, and allowed to equilibrate. All readings were recorded a second time. As needed, adjustments to the data were time corrected on the basis of observed versus actual readings.

The specific conductance probe was calibrated by using five standards ranging from 20 to 500 microsiemens per centimeter at 25 degrees Celsius ($\mu\text{S}/\text{cm}$ at 25 °C). The three standards that best bracketed the typically observed specific conductance readings were used to apply any needed adjustments to the data. The probe was rinsed with deionized water, sequentially immersed in each standard, and allowed to equilibrate. Readings were recorded on the calibration sheet with the actual standard value. The probe then

was cleaned thoroughly by using a special scrub brush and deionized water to remove any accumulation of dirt and algae. The probe readings then were checked once more using the same procedure. This allowed for adjustments to the data with time and range in the event of probe degradation.

All equipment that was used to collect water-quality samples was prepared by washing with a nonphosphate detergent and soaking in a 5-percent hydrochloric acid solution as described by Horowitz and others (1994). Equipment was assigned to each site to prevent cross-contamination between sites. Blanks were run on each piece of sampling equipment at each site on a yearly basis and analyzed for nutrients and metals and minor constituents by using inorganic blank water prepared by the USGS laboratory.

The Teflon-lined tubing on all automatic samplers was replaced with new tubing yearly. Between sampling events, this tubing was field-cleaned by using the above procedure. In addition, the tubing was rinsed with methanol, and the sample-collection bottles were baked at 450 °C prior to the spring collection of organic constituents. An equipment blank for the analysis of pesticides and herbicides was performed yearly at one randomly chosen site by using organic-free water purchased from a scientific supply company. Sample-collection volume was checked and calibrated at least yearly or when problems were suspected.

Sample-processing equipment assigned to each site was prepared with the cleaning procedures described above. Samples for the analysis of organic constituents were decanted directly from the glass collection bottles into the appropriate glass sample containers, then set aside and chilled. The remaining water was placed in a polycarbonate churn splitter to remove homogenous subsamples for inorganic and sediment analyses. Samples for the analysis of dissolved constituents were filtered using silicone tubing prepared with the previously described cleaning procedure and a disposable 0.45-micron pore-size capsule filter (table 5). Prior to September 1995, samples collected for inorganic analyses were preserved by using USGS protocols as described by Horowitz and others (1994). Subsequently, samples collected for inorganic analyses were analyzed by the Mecklenburg County Department of Environmental Protection Laboratory and were preserved according to their requirements (table 5).

Churn splitters were field-cleaned with deionized water and 5-percent hydrochloric acid solution between each discrete sample collected at each site during an event. Blanks were processed on these field-cleaned churns for the analysis of nutrients and metals with a frequency of one blank per site per event to verify that field cleaning procedures were adequate. One ambient blank per event was collected and analyzed to check for contamination resulting from atmospheric deposition in the USGS Charlotte Field Office sample processing area.

In addition to churn blanks and ambient blanks, other quality-assurance samples that were collected include split, duplicate, and blank samples for all constituents analyzed. The quality-assurance blanks for nutrients were analyzed using the low-level ASF method (Fishman, 1993), and the metals and minor constituents were analyzed using the ICP-MS method (Faires, 1993; Fishman, 1993; Struzeski and others 1996).

LABORATORY ANALYSES

Samples collected during May 1994 through August 1995 were analyzed by the USGS National Water Quality Laboratory (NWQL) in Denver, Colo. The analytical methods that were used by the NWQL are documented in Wershaw and others (1987), Britton and Greeson (1989), Fishman and Friedman (1989), Fishman (1993), Rose and Schroeder (1995), Zaugg and others (1995), and Werner and others (1996). Beginning in September 1995, samples collected for inorganic constituents were analyzed by the Mecklenburg County Department of Environmental Protection Laboratory. Analytical procedures and method detection limits for the Mecklenburg County Department of Environmental Protection Laboratory are listed in table 9 (p. 27–36). The NWQL continued to analyze samples for organic constituents. All quality-assurance blanks were analyzed by the NWQL. Suspended-sediment concentrations were determined during the study period by the USGS sediment laboratories in Raleigh, N.C., Baton Rouge, La., and Louisville, Ky., by using methods and procedures documented by Guy (1969).

Method detection limits (MDL's) for a particular compound and analytical method are determined statistically from laboratory method performance tests. MDL's for the 88 dissolved pesticide organic compounds (table 9) were revised by the NWQL on April 15, 1996, on the basis of detailed method

performance tests. MDL's generally were lowered by one-half to an order of magnitude from values previously published in Robinson and others (1996). The USGS water-quality database was updated in late 1996. Hence, concentrations of dissolved organic compounds reported in statistical summary tables may be different from previously published values.

PRECIPITATION AND HYDROLOGIC DATA

Precipitation and hydrologic data collected from 46 precipitation sites and 6 stream sites during July 1997 through September 1998 are discussed in the following sections. Rainfall and streamflow

characteristics for monitored storms at the stream sites are summarized, and atmospheric deposition data collected during March 1997 through March 1998 are presented.

Precipitation Data

Daily and monthly rainfall totals at the 46 rainfall sites (fig. 1) are presented in tables 10–55 (p. 37–82). The distribution of annual rainfall in Mecklenburg County, based on data from the 46 rainfall sites for October 1, 1997, through September 30, 1998, ranged from approximately 39 in. to 58 in. (fig. 4). For the storm of July 22–24, 1997, rainfall

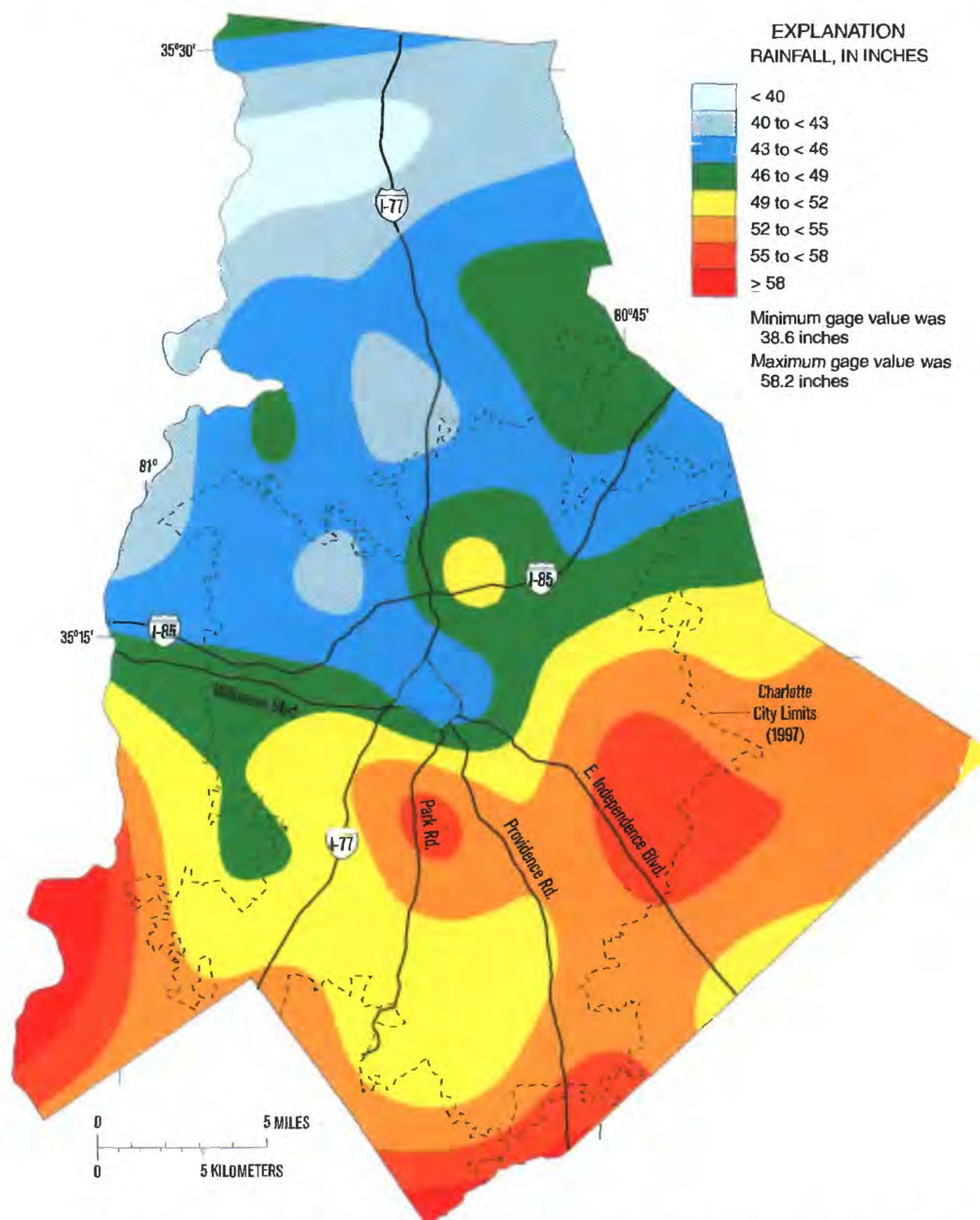


Figure 4. Annual rainfall distribution in Charlotte and Mecklenburg County for October 1, 1997, through September 30, 1998.

totals in Mecklenburg County ranged from approximately 4 in. to 13 in. (fig. 5), and the recurrence intervals for a 24-hour rainfall duration ranged from less than 1 year to greater than 100 years on the basis of data from 45 raingages (fig. 6).

These recurrence intervals were derived from Hershfield (1961) and are published in two USGS Fact Sheets—FS-052-97 (Hazell and Bales, 1997) and FS-036-98 (Robinson, Hazell, and Young, 1998).

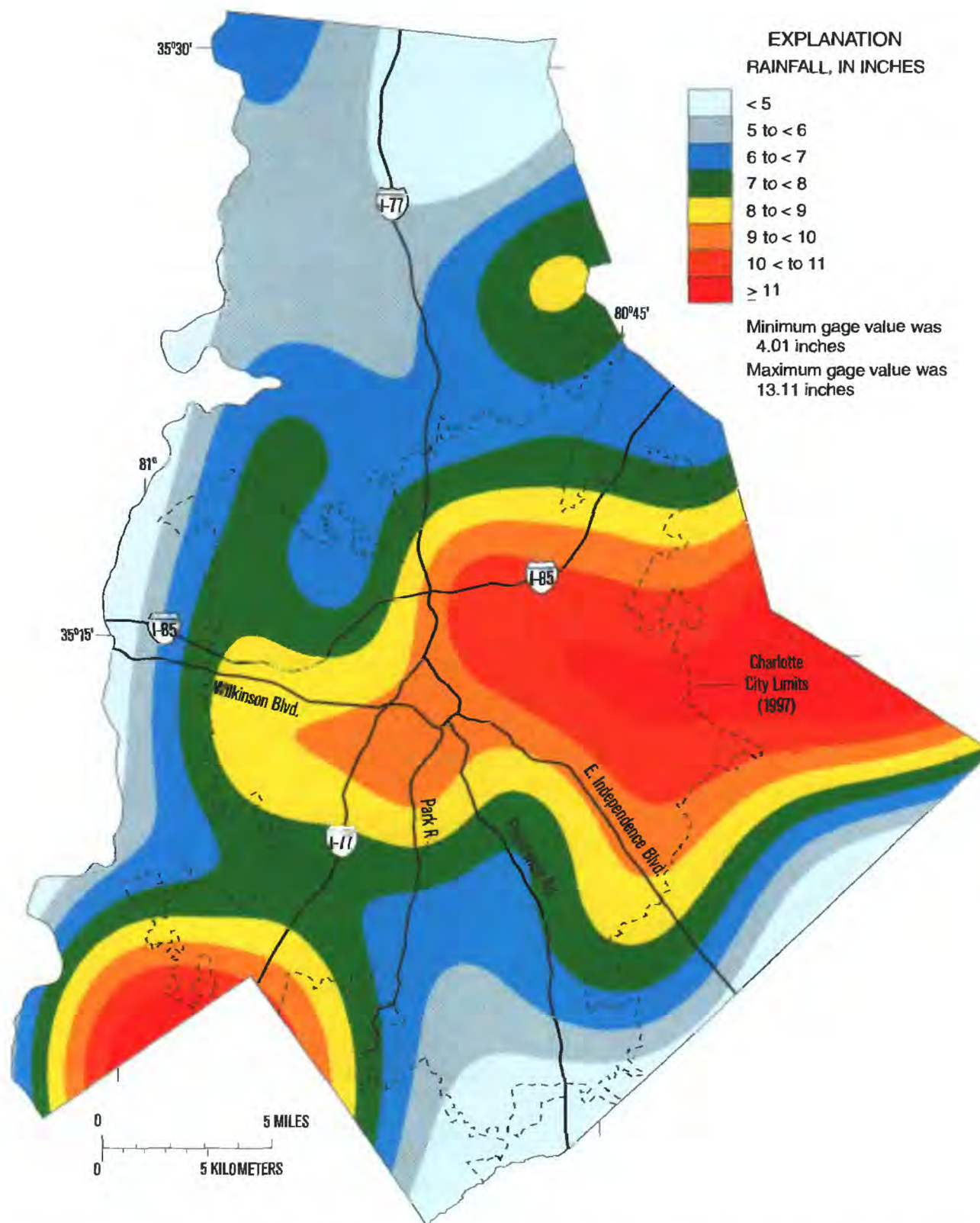


Figure 5. Rainfall distribution in Charlotte and Mecklenburg County for July 22–24, 1997 (from Robinson, Hazell, and Young, 1998).

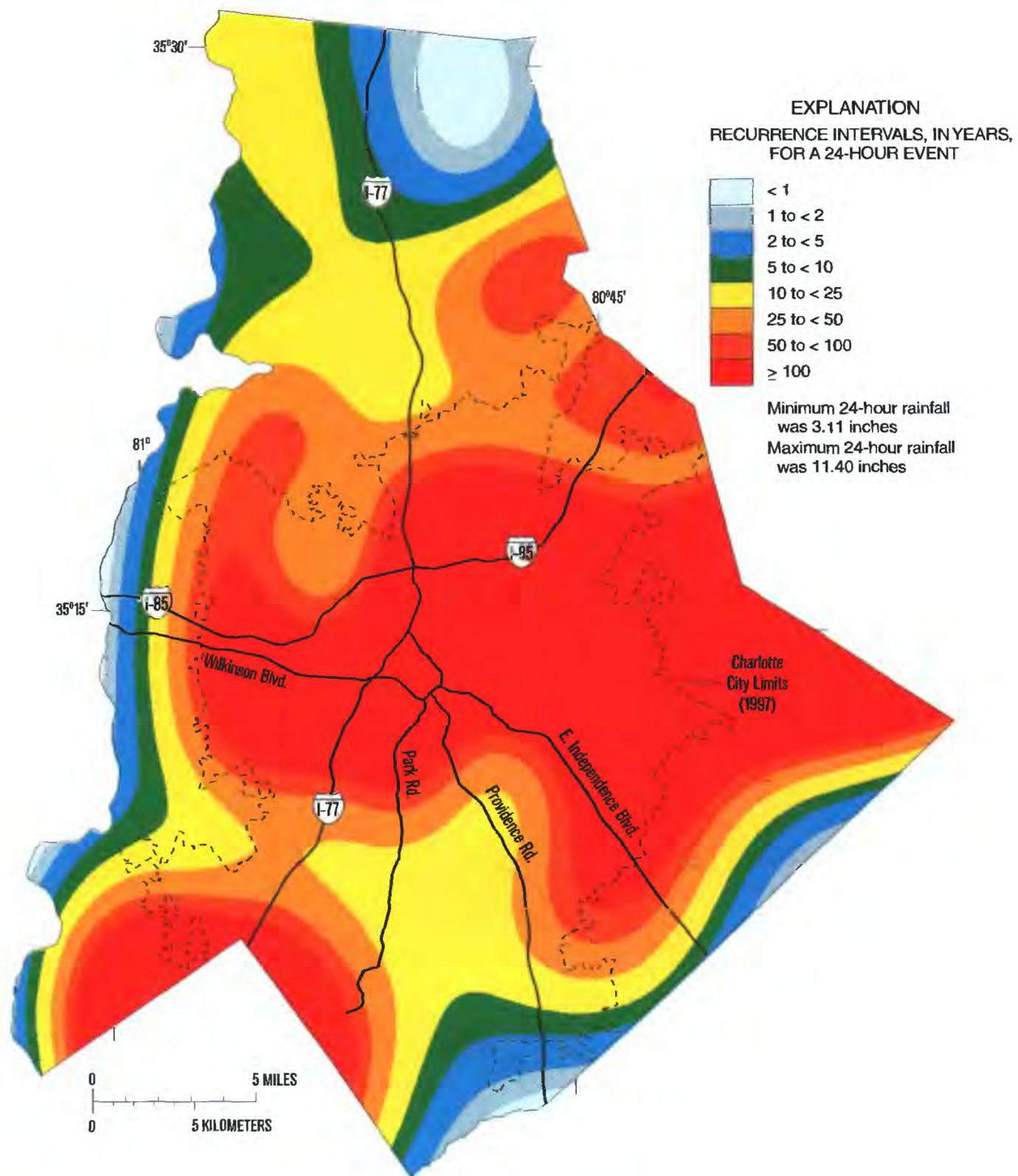


Figure 6. Rainfall recurrence intervals for peak 24-hour durations in Charlotte and Mecklenburg County for July 22–24, 1997 (from Robinson, Hazell, and Young, 1998).

Atmospheric Deposition Data

Statistical summary tables of approximately 25 chemical constituents include measurements of precipitation, physical and chemical properties, chloride and sulfate, nutrients, and concentrations of total metals (tables 56–58, p. 83–85). Data for individual atmospheric deposition samples collected during March 1997 through March 1998 are provided in tables 59–61 (p. 86–94). Weekly rainfall amounts measured in each atmospheric deposition sampler were compared to rainfall amounts recorded at nearby raingages. The raingage at site 37 was 600 ft from the sampler; at site 42, the raingage was 1 mi from the sampler; and at site 43, the sampler and raingage were collocated. For each sample collected, two values are shown for the precipitation total—(1) parameter code 00045 is the total weekly precipitation recorded by the nearest recording raingage and (2) parameter code

00046 is the total weekly precipitation, in inches equivalent, collected in the wet/dry sampler.

Statistical summaries were prepared by using programs developed by the USGS (Maddy and others, 1992). If the total number of observations above and below the method detection limit is greater than 1 but less than or equal to 5, only the maximum and minimum values are reported in the tables. If only one observation is available, the value is reported as the maximum value. Percentiles are not shown if sample sizes were small or if a large proportion of the data was censored (less than laboratory reporting level). Statistical summaries are for the period of record, March 1997 through March 1998.

Analytical results of blank samples were evaluated to ensure that atmospheric deposition samples were not being contaminated by the sample-collection process. Statistical summaries of atmospheric deposition blank data (table 6) indicate that 8 of the 12 constituents of interest were not

Table 6. Summary of atmospheric deposition blank sample results compared to minimum and median concentrations for atmospheric deposition environmental samples, March 1997 through March 1998

Constituent	Blank detection limit	Atmospheric deposition sampler blanks			Atmospheric deposition bucket blanks			Atmospheric deposition environmental samples		
		No. of blanks	No. of detections	Maximum concentration	No. of blanks	No. of detections	Maximum concentration	Minimum (median) concentration		
								CSW04	CSW06	CSW07
Ammonia (mg/L as N)	0.002	7	1	0.003	2	1	0.006	<0.015 (0.070)	0.015 (0.085)	<0.015 (0.070)
NO ₂ +NO ₃ (mg/L as N)	.005	7	0	<.005	2	0	<.005	0.070 (0.170)	0.060 (0.190)	0.050 (0.175)
Orthophosphorus (mg/L as P)	.001	7	3	.002	2	2	.002	<0.010 (<0.010)	<0.010 (<0.010)	<0.010 (<0.010)
Beryllium (µg/L)	.20	7	0	<.20	2	0	<.20	<10 (<10)	<10 (<10)	<10 (<10)
Cadmium (µg/L)	.30	7	0	<.30	2	0	<.30	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)
Chromium (µg/L)	.20	7	0	<.20	2	0	<.20	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)
Copper (µg/L)	.20	7	2	.37	2	0	<.20	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)
Lead (µg/L)	.30	7	0	<.30	2	0	<.30	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)
Nickel (µg/L)	.50	7	0	<.50	2	0	<.50	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)
Silver (µg/L)	.20	7	0	<.20	2	0	<.20	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)
Zinc (µg/L)	.50	7	2	3.1	2	1	4.4	<10 (<10)	<10 (10)	<10 (<10)
Antimony (µg/L)	.20	7	0	<.20	2	0	<.20	<1.0 (<1.0)	<1.0 (<1.0)	<1.0 (<1.0)

detected in any of the blank samples. These results suggest no contribution of these compounds to atmospheric deposition samples from the sample-collection process. Maximum concentrations of compounds detected in at least one blank sample (ammonia, orthophosphorus, copper, and zinc) were from one-half to 12 times less than the minimum concentration detected in any atmospheric deposition sample. These blank results suggest that the potential for contamination of the atmospheric deposition samples from the sample-collection process was negligible and will not affect interpretation of atmospheric deposition sample data.

Streamflow Data

Streamflow statistics for December 1993 through September 1998 are presented in table 62 (p. 95). Daily mean discharge data at the six streamflow sites (fig. 1) are presented in tables 63–68 (p. 96–101). During periods of missing record, a daily mean discharge was estimated on the basis of rainfall and computed streamflow for other gages in the area.

Water-Quality Data

Continuous specific conductance and water temperature data were collected at 5-minute intervals at the streamflow sites. These data are available from the USGS District Office in Raleigh, N.C. Continuous specific conductance and water temperature statistics for the six streamflow sites are presented in table 69 (p. 102). Statistical summary tables of approximately 250 chemical constituents include measurements of fecal coliform bacteria, physical and chemical properties, nutrients, concentrations of metals and minor constituents, oil and grease, suspended sediment, and organic compounds in water (tables 70–75, p. 103–126). Statistical summaries are for the period of record, May 1994 through September 1998, unless otherwise noted.

The instantaneous discharges reported in the statistical summary tables and discrete sample tables are associated with individual water-quality sample-collection dates. The sampling period for collection of discrete water-quality samples was July 1997 through September 1998 (tables 76–81, p. 127–138). These data include measurements of fecal coliform bacteria, physical and chemical properties, nutrients, metals and

minor constituents, oil and grease, total organic carbon, and suspended sediment. The organic compounds were not included in these tables because of the small number of samples with concentrations greater than the MDL and the large number of organic constituents. Samples were collected on May 20, 1998, at four sites (sites 41, 42, 43, and 39) during a period of no rainfall runoff to determine base-flow levels of selected constituents. These data are included in the statistical summaries. Samples were not collected at sites 37 or 40 on May 20, 1998, because of zero flow conditions.

Rainfall and streamflow characteristics for the monitored storms at the stream sites are presented in tables 82–87 (p. 139–144). Total accumulated rainfall is reported as the total rainfall for the duration of each storm event.

Analytical results of blank samples were evaluated throughout the project to ensure that stream environmental samples were not being contaminated by the overall sample-collection process. Field equipment blanks were subjected to all aspects of sample collection, field processing, preservation, transportation, and laboratory handling, the same as an environmental sample. Churn blank samples were mixed and separated using field-cleaned churns in the same manner as was used for environmental samples. Churn blank samples were collected to verify that procedures that were used to field-clean the churns were adequate. Ambient blanks were prepared with the same type of bottle that was used for environmental samples, leaving the blanks exposed to ambient conditions during sample processing. The blank samples were analyzed for nutrients and trace metals by using low-level analytical methods (Faires, 1993; Fishman, 1993; Struzeski and others, 1996), with detection limits up to an order of magnitude less than detection limits for stream environmental samples.

Statistical summaries of inorganic blank data (table 7) indicated that four of the metals analyzed (beryllium, cadmium, silver, and antimony) were not detected in any of the 230 blank samples. These results suggest no contribution of these compounds to stream environmental samples from the data-collection process. The 95th-percentile blank concentration of lead was less than the blank detection limit. Median stream environmental sample concentrations were 3 to 310 times greater than the 95th-percentile inorganic blank concentrations (table 8), depending on the constituent. In addition, the 95th-percentile values for all blank samples were less than the minimum

Table 7. Statistical summary of inorganic constituents in blank samples associated with water-quality samples collected from streams, May 1994 through September 1998

Constituent	Blank detection limit	Equipment blanks						Churn blanks						Ambient blanks					
		No. of blanks	No. of detections	Percent of detections	Maximum concentration	95th percentile	75th percentile	No. of blanks	No. of detections	Percent of detections	Maximum concentration	95th percentile	75th percentile	No. of blanks	No. of detections	Percent of detections	Maximum concentration	95th percentile	75th percentile
Ammonia (mg/L as N)	0.002	33	15	45	0.014	0.012	0.005	118	34	29	0.025	0.011	0.002	78	31	40	0.026	0.022	0.005
NO ₂ +NO ₃ (mg/L as N)	.005	33	1	3	.007	<.005	<.005	118	20	17	.014	.008	<.005	78	21	27	.022	.010	.005
Orthophosphorus (mg/L as P)	.001	33	14	42	.007	.005	.001	118	32	27	.017	.002	.001	78	20	26	.014	.003	.001
Beryllium (µg/L)	.20	33	0	0	<.20	<.20	<.20	118	0	0	<.20	<.20	<.20	79	0	0	<.20	<.20	<.20
Cadmium (µg/L)	.30	33	0	0	<.30	<.30	<.30	118	0	0	<.30	<.30	<.30	79	0	0	<.30	<.30	<.30
Chromium (µg/L)	.20	33	1	3	.44	<.20	<.20	118	12	10	11	.23	<.20	79	4	5	.65	.23	<.20
Copper (µg/L)	.20	33	7	21	1.3	.28	<.20	118	17	14	.86	.38	<.20	79	13	16	.77	.40	<.20
Lead (µg/L)	.30	33	0	0	<.30	<.30	<.30	118	0	0	<.30	<.30	<.30	79	1	1	.43	<.30	<.30
Nickel (µg/L)	.50	33	0	0	<.50	<.50	<.50	118	10	8	13	.78	<.50	79	1	1	1.0	<.50	<.50
Silver (µg/L)	.20	33	0	0	<.20	<.20	<.20	118	0	0	<.20	<.20	<.20	79	0	0	<.20	<.20	<.20
Zinc (µg/L)	.50	33	20	61	5.6	3.5	1.2	118	53	45	6.0	3.8	.83	79	16	20	9.6	1.8	<.50
Antimony (µg/L)	.20	33	0	0	<.20	<.20	<.20	118	0	0	<.20	<.20	<.20	79	0	0	<.20	<.20	<.20

Table 8. Blank 95th-percentile values compared to minimum and median concentrations for stream environmental samples, May 1994 through September 1998

Constituent	95th-percentile values detected in blank samples			Minimum (median) value detected in stream environmental samples									
	Field equipment blanks	Churn blanks	Ambient blanks	CSW02	CSW03	CSW04	CSW05	CSW06	CSW07	CSW08	CSW09	CSW10	
Ammonia (mg/L as N)	0.012	0.011	0.022	0.023 (0.190)	0.015 (0.200)	0.015 (0.220)	<0.015 (0.130)	<0.015 (0.060)	0.015 (0.120)	<0.015 (0.080)	0.015 (0.130)	<0.015 (0.120)	
NO ₂ +NO ₃ (mg/L as N)	<.005	.008	.010	0.100 (0.410)	0.150 (0.540)	0.110 (0.500)	0.150 (0.565)	0.050 (0.340)	0.050 (0.240)	0.070 (0.250)	0.140 (0.380)	0.380 (0.570)	
Orthophosphorus (mg/L as P)	.005	.002	.003	0.010 (0.100)	0.010 (0.100)	0.010 (0.140)	0.010 (0.130)	0.010 (0.080)	<0.010 (0.050)	0.010 (0.050)	<0.010 (0.060)	<0.010 (0.034)	
Chromium (µg/L)	<.20	.23	.23	1.0 (4.0)	2.0 (7.0)	1.0 (7.0)	1.0 (9.0)	<1.0 (3.0)	6.0 (62)	1.0 (15)	2.0 (23)	1.0 (20)	
Copper (µg/L)	.28	.38	.40	<1.0 (10)	3.0 (15)	4.0 (21)	1.0 (18)	5.0 (14)	3.0 (44)	1.0 (19)	1.0 (37)	3.0 (49)	
Lead (µg/L)	<.30	<.30	<.30	1.0 (13)	3.0 (13)	<1.0 (11)	<1.0 (19)	<1.0 (3)	1.0 (12)	<1.0 (7)	1.0 (20)	1.0 (9)	
Nickel (µg/L)	<.50	.78	<.50	<1.0 (3.0)	1.0 (7.0)	<1.0 (6.0)	1.0 (6.0)	3.0 (8.0)	3.0 (45)	<1.0 (6)	1.0 (12)	2.0 (8)	
Zinc (µg/L)	3.5	3.8	1.8	10.0 (100)	30.0 (75.0)	20.0 (100)	20.0 (170)	40.0 (85.0)	20.0 (120)	<10.0 (50.0)	20.0 (130)	30.0 (70.0)	

concentrations detected in any stream environmental sample for all constituents except ammonia (table 8). Blank sample concentrations greater than the 95th percentile indicate very low levels of sample contamination (fig. 7). Careful comparison of the blank data with associated stream environmental samples indicated minimal impact of contamination on the stream sample results.

Sample collection procedures were modified, as necessary, based on blank sample results. For example, from May 1994 through September 1998, the maximum ammonia concentration in ambient blanks was 0.026 mg/L, with a 95th-percentile concentration of 0.022 mg/L (table 7; fig. 7). Prior to July 1995, water-quality samples were processed (split and preserved) at each sampling site. Subsequently, water-quality samples were processed in the USGS Charlotte

Field Office. Following this procedural change, ammonia concentrations detected in ambient blanks decreased considerably (maximum 0.008 mg/L; 95th percentile 0.005 mg/L). The change in processing location, based on evaluation of ambient blank data, dramatically lowered the potential for introduction of ammonia to the environmental samples from ambient conditions.

In summary, blank sample results suggest that the potential for nutrient and metals contamination of the stream environmental samples from the overall sample-collection process was negligible and will not affect interpretation of the environmental sample data. Evaluation of equipment blank organic constituent results indicated no contamination of stream environmental samples from the sample-collection process.

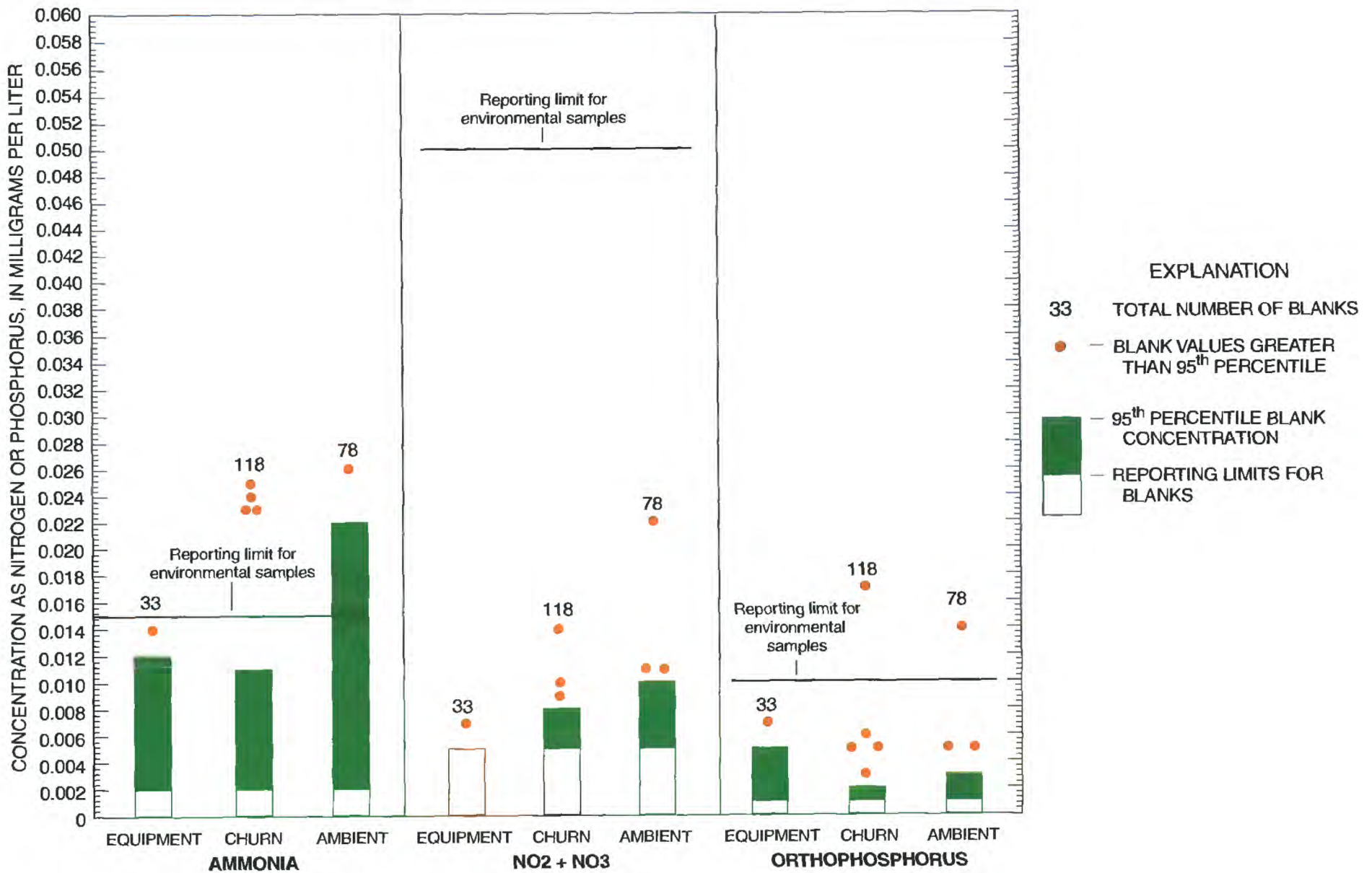


Figure 7. Distribution of concentrations of selected constituents measured in equipment, churn, and ambient blank samples associated with stream environmental samples.

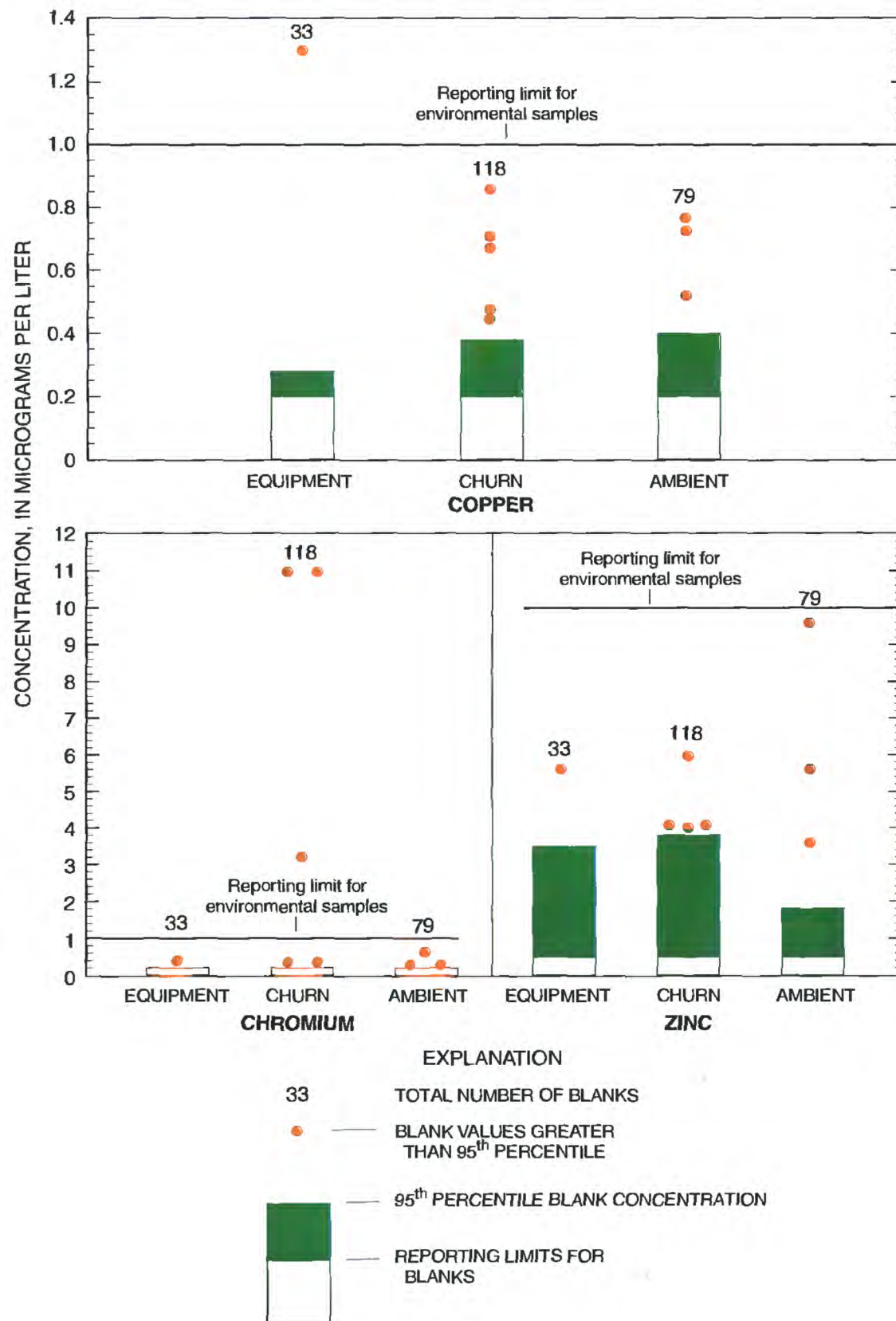


Figure 7. (Continued) Distribution of concentrations of selected constituents measured in equipment, churn, and ambient blank samples associated with stream environmental samples.

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ABBREVIATIONS USED IN DATA TABLES 9–87

COLS. PER 100 ML, COLS./100 ML	COLS.	ACCUM	accumulation
			colonies per 100 milliliters
		CFSM	cubic feet per second per square mile
		ft ³ /s	cubic feet per second
		°C, DEG. C	degrees Celsius
		IN., IN	inch
		in./wk, IN./WK	inch per week
		INST.	instantaneous
		MAX	maximum
		µg/L, UG/L	micrograms per liter
		µS/cm, US/CM	microsiemens per centimeter
		mg/L, MG/L	milligrams per liter
		mi ²	square mile
		mL	milliliter
		MIN	minimum
		RECOV.	recoverable
		>	greater than
		≥	greater than or equal to
		<	less than
		≤	less than or equal to

Table 9. Analytical procedures and method detection limits for chemical constituents in water analyzed by the Mecklenburg County Department of Environmental Protection Laboratory, July 1997 through September 1998

[EPA, U.S. Environmental Protection Agency: --, not applicable; USGS TWRI, U.S. Geological Survey Techniques of Water-Resources Investigations]

Parameter code	Chemical constituent	Reporting unit	Analytical procedure	Method detection limit (minimum reporting level)
PHYSICAL AND CHEMICAL PROPERTIES				
00010	WATER TEMPERATURE	°C	Thermometer/thermistors	0.5
90095	SPECIFIC CONDUCTANCE, LAB	µS/cm at 25 °C	Electrometric	1
00095	SPECIFIC CONDUCTANCE, FIELD	µS/cm at 25 °C	Electrometric	1
00403	pH, LAB	Standard pH units	Electrometric	0.1
00400	pH, FIELD	Standard pH units	Electrometric	0.1
90410	ALKALINITY, LAB	mg/L	2320B - 17th Edition Standard Methods	1
80154 ^a	SUSPENDED SEDIMENT	mg/L	Gravimetric	1
00530	RESIDUE ON EVAPORATION AT 105 °C, SUSPENDED	mg/L	2540D - 17th Edition Standard Methods	1
00535	RESIDUE VOLATILE, SUSPENDED	mg/L	2540E - 17th Edition Standard Methods	1
70300	DISSOLVED SOLIDS RESIDUE AT 180 °C	mg/L	2540C - 17th Edition Standard Methods	1
00310 ^b	5 DAY BIOCHEMICAL OXYGEN DEMAND	mg/L	5210 - 17th Edition Standard Methods	2
00340	CHEMICAL OXYGEN DEMAND	mg/L	410.4 - Chemical Analyses of Water and Wastes (EPA, 1983)	5
00940	CHLORIDE	mg/L	325.2 - Chemical Analyses of Water and Wastes (EPA, 1983)	2
00945	SULFATE	mg/L	426C - 15th Edition Standard Methods	1
NUTRIENTS, TOTAL AND DISSOLVED				
00625	NITROGEN AMMONIA + ORGANIC, TOTAL	mg/L	351.2 - Chemical Analyses of Water and Wastes (EPA, 1983)	0.2
00631	NO ₂ + NO ₃ , DISSOLVED	mg/L	353.2 - Chemical Analyses of Water and Wastes (EPA, 1983)	0.05
00630	NO ₂ + NO ₃ , TOTAL	mg/L	353.2 - Chemical Analyses of Water and Wastes (EPA, 1983)	0.05
00608	NITROGEN AMMONIA, DISSOLVED	mg/L	4500 - NH ₃ - 18th Edition Standard Methods	0.015
00610	NITROGEN, AMMONIA, TOTAL	mg/L	4500 - NH ₃ - 18th Edition Standard Methods	0.015

Table 9. Analytical procedures and method detection limits for chemical constituents in water analyzed by the Mecklenburg County Department of Environmental Protection Laboratory, July 1997 through September 1998—Continued

[EPA, U.S. Environmental Protection Agency: --, not applicable; USGS TWRI, U.S. Geological Survey, Techniques of Water-Resources Investigations]

Parameter code	Chemical constituent	Reporting unit	Analytical procedure	Method detection limit (minimum reporting level)
00605	NITROGEN ORGANIC, TOTAL	mg/L	Calculated from parameters 00625 and 00608	--
00600	NITROGEN, TOTAL	mg/L	Calculated from parameters 00625 and 00631	--
00665	PHOSPHORUS, TOTAL	mg/L	365.4 - Chemical Analyses of Water and Wastes (EPA, 1983)	0.01
00671	PHOSPHORUS ORTHO, DISSOLVED	mg/L	365.1 - Chemical Analyses of Water and Wastes (EPA, 1983)	0.01
OIL AND GREASE, TOTAL				
00556	OIL AND GREASE, TOTAL	mg/L	1664 - USEPA EPA-821-B-94-004b	1
ORGANIC CARBON, TOTAL				
00680 ^c	CARBON ORGANIC, TOTAL	mg/L	Wet oxidation (USGS TWRI, book 5, chap. A3)	0.1
COLIFORM				
31679 ^b	FECAL STREPTOCOCCI	counts/100 mL	Standard methods 9230C	--
31616 ^b	FECAL COLIFORM	counts/100 mL	Standard methods 9222D	--
METALS AND MINOR CONSTITUENTS, TOTAL				
01097	ANTIMONY, TOTAL	µg/L	3113B - 18th Edition Standard Methods	1
01002	ARSENIC, TOTAL	µg/L	3113B - 18th Edition Standard Methods	1
01012	BERYLLIUM, TOTAL	µg/L	3111D - 18th Edition Standard Methods	10
01027	CADMIUM, TOTAL	µg/L	3113B - 18th Edition Standard Methods	1
01034	CHROMIUM, TOTAL	µg/L	3113B - 18th Edition Standard Methods	1
01042	COPPER, TOTAL	µg/L	3113B - 18th Edition Standard Methods	1
01051	LEAD, TOTAL	µg/L	3113B - 18th Edition Standard Methods	1
71900	MERCURY, TOTAL	µg/L	3112B - 18th Edition Standard Methods	0.1
01067	NICKEL, TOTAL	µg/L	3113B - 18th Edition Standard Methods	1
01147	SELENIUM, TOTAL	µg/L	3113B - 18th Edition Standard Methods	1
01077	SILVER, TOTAL	ug/L	3113B - 18th Edition Standard Methods	1
01092	ZINC, TOTAL	µg/L	3111B - 18th Edition Standard Methods	10

Table 9. Analytical procedures and method detection limits for chemical constituents in water analyzed by the Mecklenburg County Department of Environmental Protection Laboratory, July 1997 through September 1998—Continued

[EPA, U.S. Environmental Protection Agency: --, not applicable; USGS TWRI, U.S. Geological Survey Techniques of Water-Resources Investigations]

Parameter code	Chemical constituent	Reporting unit	Analytical procedure	Method detection limit (minimum reporting level)
ORGANIC COMPOUNDS - PESTICIDES, TOTAL^c (USGS TWRI, book 5, chap. A3)				
39330	ALDRIN, TOTAL	µg/L	Gas chromatograph/electron-capture detector	0.01
39340	LINDANE, TOTAL	µg/L	Gas chromatograph/electron-capture detector	0.01
39350	CHLORDANE, TOTAL	µg/L	Gas chromatograph/electron-capture detector	0.10
39370	DDT, TOTAL	µg/L	Gas chromatograph/electron-capture detector	0.01
39365	DDE, TOTAL	µg/L	Gas chromatograph/electron-capture detector	0.01
39360	DDD, TOTAL	µg/L	Gas chromatograph/electron-capture detector	0.01
39380	DIELDRIN, TOTAL	µg/L	Gas chromatograph/electron-capture detector	0.01
39388	ENDOSULFAN, TOTAL	µg/L	Gas chromatograph/electron-capture detector	0.01
39390	ENDRIN, TOTAL	µg/L	Gas chromatograph/electron-capture detector	0.01
39410	HEPTACHLOR, TOTAL	µg/L	Gas chromatograph/electron-capture detector	0.01
39420	HEPTACHLOR EPOXIDE, TOTAL	µg/L	Gas chromatograph/electron-capture detector	0.01
39516	PCB, TOTAL	µg/L	Gas chromatograph/electron-capture detector	0.1
39400	TOXAPHENE, TOTAL	µg/L	Gas chromatograph/electron-capture detector	1
39034	PERTHANE, TOTAL	µg/L	Gas chromatograph/electron-capture detector	0.1
39570	DIAZINON, TOTAL	µg/L	Gas chromatograph/flame photometry	0.01
39398	ETHION, TOTAL	µg/L	Gas chromatograph/flame photometry	0.01
39530	MALATHION, TOTAL	µg/L	Gas chromatograph/flame photometry	0.01
39600	METHYL PARATHION, TOTAL	µg/L	Gas chromatograph/flame photometry	0.01
39540	PARATHION, TOTAL	µg/L	Gas chromatograph/flame photometry	0.01
39786	TRITHION, TOTAL	µg/L	Gas chromatograph/flame photometry	0.01
39250	PCN, TOTAL	µg/L	Gas chromatograph/electron-capture detector	0.1
39480	METHOXYCHLOR, TOTAL	µg/L	Gas chromatograph/electron-capture detector	0.01
39755	MIREX, TOTAL	µg/L	Gas chromatograph/electron-capture detector	0.01
39011	DISYSTON, TOTAL	µg/L	Gas chromatograph/flame photometry	0.01

Table 9. Analytical procedures and method detection limits for chemical constituents in water analyzed by the Mecklenburg County Department of Environmental Protection Laboratory, July 1997 through September 1998—Continued

[EPA, U.S. Environmental Protection Agency; --, not applicable; USGS TWRI, U.S. Geological Survey Techniques of Water-Resources Investigations]

Parameter code	Chemical constituent	Reporting unit	Analytical procedure	Method detection limit (minimum reporting level)
39023	PHORATE, TOTAL	µg/L	Gas chromatograph/flame photometry	0.01
38932	CHLORPYRIFOS, TOTAL	µg/L	Gas chromatograph/flame photometry	0.01
39040	DEF, TOTAL	µg/L	Gas chromatograph/flame photometry	0.01
82614	FONOFOS, TOTAL	µg/L	Gas chromatograph/flame photometry	0.01
VOLATILE ORGANIC COMPOUNDS, TOTAL^c (USGS Open-File Report 94-708)				
34210	ACROLEIN, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	20
34215	ACRYLONITRILE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	20
34030	BENZENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
32104	BROMOFORM, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
32102	CARBON TETRACHLORIDE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34301	CHLOROBENZENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
32105	CHLORODIBROMOMETHANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34311	CHLOROETHANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
32106	CHLOROFORM, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34496	1,1-DICHLOROETHANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
32103	1,2-DICHLOROETHANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34501	1,1-DICHLOROETHYLENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34541	1,2-DICHLOROPROPANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34371	ETHYLBENZENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34413	METHYL BROMIDE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34423	METHYLENE CHLORIDE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2

Table 9. Analytical procedures and method detection limits for chemical constituents in water analyzed by the Mecklenburg County Department of Environmental Protection Laboratory, July 1997 through September 1998—Continued

[EPA, U.S. Environmental Protection Agency; -, not applicable; USGS TWRI, U.S. Geological Survey Techniques of Water-Resources Investigations]

Parameter code	Chemical constituent	Reporting unit	Analytical procedure	Method detection limit (minimum reporting level)
34475	TETRACHLOROETHYLENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34010	TOLUENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34546	1,2-TRANSDICHLOROETHENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34506	1,1,1-TRICHLOROETHANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34511	1,1,2-TRICHLOROETHANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
39180	TRICHLOROETHYLENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
39175	VINYL CHLORIDE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
30217	DIBROMOMETHANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
32101	DICHLOROBROMOMETHANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34668	DICHLORODIFLUOROMETHANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34488	TRICHLOROFLUOROMETHANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77651	1,2-DIBROMOETHANE, TOTAL	µg/L	Gas chromatograph/mass spectrometry	0.2
34418	METHYLCHLORIDE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34704	CIS 1,3-DICHLOROPROPENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34699	TRANS 1,3-DICHLOROPROPENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77128	STYRENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
81551	XYLENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
82625	DIBROMOCHLOROPROPANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	1
77168	1,1-DICHLOROPROPENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77170	2,2-DICHLOROPROPANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2

Table 9. Analytical procedures and method detection limits for chemical constituents in water analyzed by the Mecklenburg County Department of Environmental Protection Laboratory, July 1997 through September 1998—Continued

[EPA, U.S. Environmental Protection Agency; --, not applicable; USGS TWRI, U.S. Geological Survey Techniques of Water-Resources Investigations]

Parameter code	Chemical constituent	Reporting unit	Analytical procedure	Method detection limit (minimum reporting level)
77173	1,3-DICHLOROPROPANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77275	O-CHLOROTOLUENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77277	P-CHLOROTOLUENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77443	1,2,3-TRICHLOROPROPANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77562	1,1,1,2-TETRACHLOROETHANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
78032	TERTBUTYL METHYL ETHER, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77297	BROMOCHLORO METHANE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77093	CIS-1,2-DICHLOROETHENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34576	2-CHLOROETHYL VINYL ETHER, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	1
77223	ISOPROPYL BENZENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77224	N-PROPYL BENZENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77353	TERTBUTYL BENZENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77222	PSEUDOCUMENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77350	SEC-BUTYL BENZENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77356	P-ISOPROPYL TOLUENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77342	N-BUTYL BENZENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77613	1,2,3-TRICHLOROBENZENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77652	FREON-113, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
77226	MESITYLENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
81555	BROMOBENZENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34551	1,2,4-TRICHLOROBENZENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2

Table 9. Analytical procedures and method detection limits for chemical constituents in water analyzed by the Mecklenburg County Department of Environmental Protection Laboratory, July 1997 through September 1998—Continued

[EPA, U.S. Environmental Protection Agency; --, not applicable; USGS TWRI, U.S. Geological Survey Techniques of Water-Resources Investigations]

Parameter code	Chemical constituent	Reporting unit	Analytical procedure	Method detection limit (minimum reporting level)
34536	1,2-DICHLOROBENZENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.1
34566	1,3-DICHLOROBENZENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.1
34571	1,4-DICHLOROBENZENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.1
39702	HEXACHLOROBUTADIENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
34696	NAPHTHALENE, TOTAL	µg/L	Purge and trap; gas chromatograph/mass spectrometry	0.2
ORGANIC COMPOUNDS - PESTICIDES, DISSOLVED^f (USGS Open-File Reports 95-181 and 96-216)				
46342	ALACHLOR, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.002
04040	DEETHYLATRAZINE, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.002
39632	ATRAZINE, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.001
82686	METHYL AZINPHOS, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.001
82673	BENFLURALIN, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.002
04028	BUTYLATE, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.002
82680	CARBARYL, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.003
82674	CARBOFURAN, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.003
38933	CHLORPYRIFOS, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.004
04041	CYANAZINE, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.004
82682	DCPA, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.002
34653	P,P' DDE, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.006
39572	DIAZINON, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.002
39381	DIELDRIN, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.001
82650	2,5-DIETHYL ANILINE, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.003
82677	DISULFOTON, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.017

Table 9. Analytical procedures and method detection limits for chemical constituents in water analyzed by the Mecklenburg County Department of Environmental Protection Laboratory, July 1997 through September 1998—Continued

[EPA, U.S. Environmental Protection Agency; --, not applicable; USGS TWRI, U.S. Geological Survey Techniques of Water-Resources Investigations]

Parameter code	Chemical constituent	Reporting unit	Analytical procedure	Method detection limit (minimum reporting level)
82668	EPTC, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.002
82663	ETHALFLURALIN, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.004
82672	ETHOPROP, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.003
04095	FONOFOS, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.003
34253	ALPHA BHC, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.002
39341	LINDANE, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.004
82666	LINURON, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.002
39532	MALATHION, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.005
82667	METHYL PARATHION, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.006
39415	METOLACHLOR, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.002
82630	METRIBUZIN, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.004
82671	MOLINATE, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.004
82684	NAPROPAMIDE, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.003
39542	ETHYL PARATHION, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.004
82669	PEBULATE, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.004
82683	PENDIMETHALIN, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.004
82687	PERMETHRIN, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.005
82664	PHORATE, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.002
82676	PRONAMIDE, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.003
04037	PROMETON, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.018
04024	PROPACHLOR, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.007
82679	PROPANIL, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.004
82685	PROPARGITE, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.013
04035	SIMAZINE, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.005
82681	THIOBENCARB, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.002

Table 9. Analytical procedures and method detection limits for chemical constituents in water analyzed by the Mecklenburg County Department of Environmental Protection Laboratory, July 1997 through September 1998—Continued

[EPA, U.S. Environmental Protection Agency: --, not applicable; USGS TWRI, U.S. Geological Survey Techniques of Water-Resources Investigations]

Parameter code	Chemical constituent	Reporting unit	Analytical procedure	Method detection limit (minimum reporting level)
82670	TEBUTHIURON, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.01
82665	TERBACIL, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.007
82675	TERBUFOS, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.013
82678	TRIALATE, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.001
82661	TRIFLURALIN, DISSOLVED	µg/L	Solid phase extraction, gas chromatograph/mass spectrometry	0.002
39742	2,4,5-T, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.035
39732	2,4-D, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.035
38746	2,4-DB, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.035
49315	ACIFLUORFEN, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.035
49312	ALDICARB, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.016
49313	ALDICARB SULFONE, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.016
49314	ALDICARB SULFOXIDE, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.021
38711	BENTAZON, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.014
04029	BROMACIL, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.035
49311	BROMOXYNIL, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.035
49310	CARBARYL, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.008
49309	CARBOFURAN, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.028
49308	3-HYDROXY-CARBOFURAN	µg/L	Solid phase extraction, high pressure liquid chromatography	0.014
49307	CHLORAMBEN, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.011
49306	CHLOROTHALONIL, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.035
49305	CLOPYRALID, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.05
49304	DACTHAL MONO-ACID, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.017
38442	DICAMBA, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.035

Table 9. Analytical procedures and method detection limits for chemical constituents in water analyzed by the Mecklenburg County Department of Environmental Protection Laboratory, July 1997 through September 1998—Continued

[EPA, U.S. Environmental Protection Agency; -, not applicable; USGS TWRI, U.S. Geological Survey Techniques of Water-Resources Investigations]

Parameter code	Chemical constituent	Reporting unit	Analytical procedure	Method detection limit (minimum reporting level)
49303	DICHLORBENIL, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.020
49302	DICHLORPROP, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.032
49301	DINOSORB, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.035
49300	DIURON, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.020
49299	4,6-DINITRO OCRESOL, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.035
49297	FENURON, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.013
38811	FLUOMETURON, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.035
38478	LINURON, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.018
38482	MCPA, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.05
38487	MCPB, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.035
38501	METHIOCARB, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.026
49296	METHOMYL, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.017
49294	NEBURON, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.015
49293	NORFLURAZON, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.024
49292	ORYZALIN, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.019
38866	OXAMYL, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.018
49291	PICLORAM, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.05
49236	PROPHAM, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.035
38538	PROPOXUR, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.035
39762	SILVEX, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.021
49235	TRICLOPYR, DISSOLVED	µg/L	Solid phase extraction, high pressure liquid chromatography	0.05

Table 10. Daily accumulated rainfall totals (inches) at site 3 (CRN10), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.30	0.00	0.00	0.00	0.64	0.40	0.00	0.00	0.00	0.04	0.11	0.00	0.01	0.01	0.00
2	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.01	.10	.03	.00	.00
3	.00	.00	.00	.00	.00	.02	.00	1.13	.00	.57	.08	.00	.01	.00	2.88
4	.00	.29	.00	.00	.00	.02	.00	.65	.00	.01	.00	.46	.01	.00	.97
5	1.03	.03	.00	.00	.00	.00	.00	.02	.00	.00	.00	.40	.00	.00	.00
6	.01	.00	.00	.00	.00	.00	.41	.00	.00	.00	.00	.05	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.28	.00	.36	.00	.28	.00	.00	.99	.00
8	.00	.00	.00	.00	.00	.08	.14	.00	1.47	.06	.21	.00	.00	.27	.01
9	.05	.00	.06	.00	.00	.06	.00	.00	.13	1.85	.00	.00	.00	.67	.00
10	.01	.04	.32	.00	.00	.43	.00	.00	.00	.00	.06	1.45	.00	.87	.00
11	.00	.00	.03	.00	.00	.00	.00	.24	.00	.00	.16	.01	.00	.00	.00
12	.00	.00	.00	.00	.24	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.85	.00	.01	.00	.00	.00	.00	.02	.00	.03	.00
14	.00	.00	.00	.38	.30	.00	.01	.00	.00	.09	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.97	.00	.00	.01	.00	.00	.00	.95	.00
16	.62	.00	.00	.00	.01	.00	.83	.70	.00	.01	.00	.16	.00	.54	.00
17	.11	.00	.00	.02	.00	.00	.00	1.21	.02	.82	.00	.00	.01	.01	.00
18	.00	.00	.03	.49	.00	.00	.01	.00	.72	.14	.00	.00	.00	.00	.00
19	.00	.00	.00	1.95	.00	.00	.78	.00	.34	.86	.00	.14	.00	.00	.00
20	.05	.04	.00	.01	.00	.00	.01	.00	.35	.01	.00	.00	1.84	.00	.00
21	.00	.01	.00	.00	.91	.04	.00	.00	.03	.00	.00	.00	.12	.00	.46
22	.64	.00	.00	.12	.01	1.24	.40	.10	.00	.18	.00	.22	.28	.00	.14
23	6.28	.00	.00	.00	.00	.00	.50	.35	.00	.59	.00	.13	.12	.00	.01
24	.81	.00	1.29	.05	.01	1.28	.15	.00	.04	.00	.00	.05	.01	.00	.00
25	.00	.02	.16	.00	.00	.02	.00	.00	.00	.00	.00	.00	.93	.00	.00
26	.00	.01	.00	1.38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.10	.00	.00	.42	1.81	.14	.00	.25	.00	.00	2.88	.00	.00
28	.09	.05	.85	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00
29	.05	.05	.01	.00	.06	.42	.00	---	.00	.00	.00	.01	.00	.00	.01
30	.40	.00	.00	.00	.33	.00	.00	---	.00	.48	.27	.22	.00	.00	.02
31	.09	.00	---	.08	---	.00	.00	---	.00	---	.00	---	.19	.00	---
TOTAL	10.54	0.54	2.85	4.48	3.42	4.43	6.36	4.55	3.46	5.97	1.18	3.42	6.44	4.34	4.50

Table 11. Daily accumulated rainfall totals (inches) at site 5 (CRN06), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.24	0.00	0.00	0.00	0.87	0.40	0.00	0.00	0.00	0.06	0.22	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.13	.12	.11	.00	.00
3	.00	.00	.00	.00	.00	.04	.00	1.02	.00	.53	.11	.00	.00	.00	2.60
4	.00	.00	.00	.00	.00	.02	.00	.45	.00	.01	.00	.54	.01	.00	.81
5	.00	.15	.00	.00	.00	.01	.00	.06	.00	.00	.00	.43	.00	.00	.00
6	.00	.00	.00	.00	.02	.00	.46	.00	.00	.00	.00	.06	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.26	.00	.50	.00	.51	.00	.00	1.06	.00
8	.00	.00	.00	.00	.00	.13	.45	.00	1.64	.09	.17	.00	.00	.01	.04
9	.00	.00	.08	.00	.00	.07	.00	.00	.12	1.89	.01	.01	.00	.04	.00
10	.00	.00	.59	.00	.00	.53	.00	.00	.00	.00	.12	.46	.00	.46	.00
11	.00	.00	.02	.00	.00	.00	.00	.40	.00	.00	.12	.00	.00	.00	.00
12	.00	.00	.00	.00	.38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.66	.00	.02	.00	.00	.00	.00	.00	.00	.02	.00
14	.46	.00	.00	.06	.26	.00	.01	.00	.00	.16	.00	.03	.00	.00	.00
15	.01	.00	.00	.00	.00	.00	.75	.00	.00	.00	.00	.00	.00	.46	.00
16	.78	.00	.00	.00	.00	.00	.86	.51	.00	.02	.00	.02	.00	.31	.00
17	.00	.00	.12	.00	.00	.00	.00	1.20	.02	1.16	.00	.00	.62	.00	.00
18	.00	.00	.08	.56	.00	.00	.00	.00	.88	.16	.00	.00	.00	.01	.00
19	.00	.00	.00	1.53	.00	.00	.75	.00	.26	.77	.00	.20	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.97	.00	.00
21	.00	.00	.00	.00	1.05	.04	.00	.00	.02	.00	.00	.02	.03	.00	.61
22	.38	.00	.00	.18	.01	1.17	.43	.13	.00	.09	.00	.08	.00	.00	.78
23	6.14	.00	.00	.00	.00	.00	.40	.38	.01	.47	.00	.05	.20	.00	.00
24	.77	.00	1.44	.08	.00	1.28	.03	.00	.08	.00	.00	.06	.65	.00	.00
25	.00	.00	.23	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01	.00	.00
26	.00	.00	.00	1.86	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.15	.01	.00	.38	1.50	.20	.00	.34	.01	.00	3.52	.00	.00
28	.00	.07	.38	.00	.00	.00	.01	.00	.00	.00	.00	.00	.28	.00	.00
29	.00	.01	.00	.00	.11	.34	.00	---	.00	.00	.00	.00	.01	.00	.00
30	.30	.00	.00	.00	.30	.00	.00	---	.00	.70	.07	.00	.00	.00	.01
31	.06	.00	---	.19	---	.00	.00	---	.00	---	.00	---	.42	.00	---
TOTAL	9.14	0.23	3.09	4.47	3.72	4.42	5.93	4.35	3.53	6.45	1.47	2.08	7.83	2.37	4.85

Table 12. Daily accumulated rainfall totals (inches) at site 6 (CRN18), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.08	0.00	0.00	0.00	0.54	0.37	0.00	0.00	0.00	0.07	0.15	0.01	0.00	0.00	0.00
2	.00	.00	.00	.00	.05	.00	.00	.15	.00	.00	.00	.07	.01	.00	.00
3	.00	.00	.00	.00	.00	.11	.00	1.14	.00	.53	.00	.00	.00	.00	2.26
4	.00	.11	.00	.00	.00	.08	.00	.43	.00	.00	.03	.27	.00	.00	.39
5	.10	.04	.00	.00	.00	.01	.00	.15	.00	.00	.01	.31	.00	.00	.00
6	.00	.00	.00	.00	.11	.00	.57	.00	.00	.00	.00	.08	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.37	.01	.55	.00	.65	.00	.00	.24	.00
8	.00	.00	.00	.00	.00	.09	.25	.00	1.42	.13	.41	.00	.00	.10	.00
9	.00	.00	.67	.00	.00	.04	.00	.00	.11	1.35	.00	.02	.00	.50	.00
10	.00	.01	.21	.00	.00	.21	.00	.00	.00	.00	.16	.46	.00	.00	.00
11	.00	.00	.01	.00	.00	.01	.00	.24	.00	.00	.06	.02	.00	.00	.00
12	.00	.00	.00	.00	.31	.00	.00	.00	.02	.00	.00	.07	.00	.00	.00
13	.00	.00	.00	.00	.56	.00	.03	.00	.00	.00	.00	.00	.00	.53	.00
14	.00	.00	.00	.03	.30	.00	.00	.00	.00	.20	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.01	.00	.74	.00	.00	.00	.00	.00	.00	1.02	.00
16	.04	.00	.00	.00	.00	.00	1.03	.79	.01	.00	.00	.00	1.60	.47	.00
17	.00	.00	.00	.00	.00	.00	.01	.72	.09	.80	.00	.00	.03	.01	.00
18	.00	.00	.06	.30	.00	.00	.06	.01	.79	.25	.00	.00	.00	.00	.00
19	.00	.00	.00	1.11	.05	.00	.53	.00	.22	.76	.00	.12	.00	.00	.00
20	.01	.00	.00	.00	.00	.00	.00	.02	.03	.01	.00	.00	1.02	.00	.00
21	.00	.00	.00	.00	1.17	.06	.00	.00	.03	.00	.00	.00	.00	.00	.45
22	1.24	.00	.00	.11	.06	1.11	.42	.04	.00	.11	.00	.65	.06	.00	.01
23	5.72	.00	.00	.00	.00	.00	.48	.47	.00	.06	.00	.10	.09	.00	.00
24	.25	.00	3.41	.12	.00	1.07	.00	.00	.01	.00	.00	.01	.01	.00	.00
25	.00	.03	.14	.01	.00	.01	.01	.00	.00	.00	.00	.00	.01	.00	.00
26	.00	.00	.00	1.98	.00	---	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.04	.01	.00	---	1.52	.43	.00	.42	.72	.00	.81	.00	.00
28	.00	.00	.62	.00	.00	---	.03	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.07	---	.00	---	.00	.00	.00	.07	.00	.10	.01
30	.30	.00	.00	.00	.64	.03	.00	---	.00	.57	.04	.18	.00	.00	.28
31	.02	.00	---	.07	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	7.76	0.19	5.16	3.74	3.87	---	6.05	4.60	3.28	5.26	2.23	2.44	3.64	2.97	3.40

Table 13. Daily accumulated rainfall totals (inches) at site 13 (CRN01), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.21	0.01	0.00	0.00	0.55	0.29	0.04	0.00	0.00	0.19	0.22	0.00	0.01	0.00	0.00
2	.00	.00	.00	.00	.07	.00	.00	.03	.00	.00	.00	.01	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	1.32	.00	.59	.00	.00	.00	.00	2.15
4	.01	.44	.00	.00	.00	.00	.00	.54	.00	.02	.00	.30	.00	.00	.64
5	.00	.00	.00	.00	.00	.00	.00	.23	.00	.00	.00	.02	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.97	.00	.00	.00	.00	.01	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.30	.00	.34	.00	.27	.00	.00	.32	.00
8	.00	.00	.00	.00	.00	.01	.69	.01	1.55	.00	.13	.00	.00	.92	.05
9	.00	.00	.08	.00	.00	.07	.00	.00	.13	1.89	.01	.00	.00	.37	.00
10	.00	.02	.22	.00	.00	.27	.00	.00	.00	.00	.36	.09	.00	.24	.00
11	.01	.00	.05	.00	.00	.00	.00	.04	.00	.00	.16	.00	.00	.00	.00
12	.00	.00	.00	.00	.20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.66	.00	.00	.00	.00	.00	.00	.00	.00	1.28	.00
14	.00	.00	.00	.05	.26	.00	.00	.01	.00	.09	.00	.00	.00	.00	.00
15	.17	.00	.00	.02	.01	.00	.97	.00	.00	.00	.00	.00	.00	.93	.00
16	.00	.00	.00	.00	.00	.00	.83	.59	.00	.00	.00	.00	.00	.52	.00
17	.00	.00	.00	.00	.00	.00	.01	.67	.00	.78	.00	.00	.00	.02	.00
18	.00	.00	.00	.16	.00	.00	.03	.01	.57	.15	.00	.00	.00	.00	.00
19	.00	.00	.00	1.94	.00	.00	.54	.01	.47	.44	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	1.06	.00	.00
21	.00	.00	.00	.00	1.02	.00	.00	.00	.03	.00	.00	.00	.00	.00	.33
22	1.06	.00	.00	.08	.11	1.41	.27	.00	.00	.00	.00	.01	.00	.00	.00
23	7.07	.00	.00	.00	.00	.01	.57	.47	.00	.44	.00	.12	.00	.00	.00
24	.57	.00	1.90	.01	.00	.89	.02	.01	.00	.00	.00	.00	.00	.00	.00
25	.01	.00	.15	.00	.00	.03	.00	.00	.00	.00	.00	.00	.28	.00	.00
26	.00	.00	.00	1.89	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.01	.00	.00	.44	1.88	.17	.00	.21	.16	.00	.85	.00	.00
28	.00	.00	.49	.00	.00	.01	.05	.00	.00	.02	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.01	.25	.00	---	.00	.00	.00	.00	.00	.00	.69
30	.43	.00	.00	.00	.54	.00	.00	---	.00	.38	1.23	.32	.00	.00	.31
31	.02	.00	---	.07	---	.01	.00	---	.00	---	.00	---	.17	.00	---
TOTAL	9.56	0.47	2.90	4.22	3.43	3.69	7.17	4.11	3.10	5.21	2.54	0.88	2.37	4.60	4.17

Table 14. Daily accumulated rainfall totals (inches) at site 14 (CRN02), July 1997 through September 1998

[--, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.04	0.00	0.00	0.00	0.59	0.47	0.07	0.00	0.00	0.33	0.13	0.00	0.00	0.00	0.00
2	.01	.00	.00	.00	.07	.00	.00	.04	.00	.00	.00	.01	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	1.20	.00	.63	.00	.00	.01	.00	2.06
4	.00	.38	.00	.00	.00	.02	.00	.51	.00	.01	.00	.22	.00	.00	.52
5	.35	.00	.00	.00	.00	.00	.00	.15	.00	.01	.07	.56	.00	.00	.00
6	.08	.00	.00	.00	.07	.00	.43	.00	.00	.00	.00	.03	.00	.00	.00
7	.00	.00	.00	.00	.01	.00	.38	.01	.40	.00	.57	.00	.00	.29	.00
8	.00	.00	.00	.00	.00	.02	.86	.00	1.42	.05	.26	.00	.00	.72	.00
9	.00	.00	.00	.00	.00	.07	.00	.00	.10	1.62	.01	.00	.00	.17	.00
10	.00	.57	.10	.00	.00	.26	.00	.00	.00	.00	.09	.35	.00	.04	.00
11	.00	.00	.01	.00	.00	.00	.00	.08	.00	.00	.10	.00	.00	.00	.00
12	.00	.00	.00	.00	.25	.00	.00	.01	.00	.00	.00	.11	.00	.00	.00
13	.00	.00	.00	.00	.64	.00	.00	.00	.00	.00	.00	.01	.00	.43	.00
14	.00	.00	.00	.00	.27	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.01	.00	.67	.00	.00	.00	.00	.00	.00	.68	.00
16	.00	.00	.00	.00	.00	.00	.99	.72	.00	.00	.00	.00	.22	.90	.00
17	.00	.00	.00	.00	.00	.00	.00	1.03	.00	.80	.00	.00	.06	.00	.00
18	.00	.00	.00	.12	.00	.00	.02	.01	.70	.15	.00	.00	.00	.00	.00
19	.00	.00	.00	1.48	.00	.00	.46	.00	.28	.45	.00	.00	.00	.00	.00
20	.04	.00	.00	.01	.01	.00	.00	.00	.00	.01	.00	.00	1.27	.00	.00
21	.00	.00	.00	.00	.96	.00	.00	.00	.01	.00	.00	.00	.03	.00	.35
22	.73	.00	.00	.03	.12	1.14	.34	.02	.00	.01	.00	.13	.00	.00	.00
23	5.86	.00	.00	.00	.00	.00	.43	.47	.00	.28	.00	.14	.00	.00	.00
24	.34	.00	3.55	.09	.00	.95	.00	.00	.01	.01	.00	.00	.00	.00	.00
25	.00	.06	.14	.01	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	1.80	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
27	.00	.00	.01	.01	.00	.47	1.70	.32	.00	.42	.30	.00	.73	.00	.00
28	.00	.00	.99	.00	.00	.01	.03	.00	.00	.00	.01	.00	.00	.00	.00
29	.00	.02	.00	.00	.01	.28	.00	---	.00	.00	.01	.00	.00	.00	.00
30	.37	.00	.00	.00	.74	.00	.00	---	.00	.41	.69	.40	.00	.00	.39
31	.02	.00	---	.13	---	.00	.00	---	.00	---	.00	---	.59	.00	---
TOTAL	7.84	1.03	4.80	3.68	3.75	3.71	6.38	4.57	2.92	5.30	2.23	1.98	2.91	3.23	3.32

Table 15. Daily accumulated rainfall totals (inches) at site 15 (CRN03), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.17	0.00	0.00	0.00	0.59	0.44	0.00	0.00	0.00	0.37	0.14	---	---	0.00	0.00
2	.00	.00	.00	.00	.07	.01	.00	.04	.00	.00	.01	0.07	---	.01	.00
3	.00	.00	.00	.00	.00	.03	.00	1.22	.00	.74	.01	.00	---	.00	2.32
4	.00	---	.00	.00	.00	.01	.00	.55	.00	.01	.00	.31	---	.00	.70
5	.00	---	.00	.00	.00	.01	.00	.13	.00	.00	.01	.47	---	.00	.00
6	.00	---	.00	.00	.02	.00	.60	.00	.00	.00	.00	.07	---	.00	.00
7	.00	---	.00	.00	.00	.00	.38	.00	.46	.00	.48	.00	---	.58	.00
8	.00	---	.00	.00	.00	.06	.66	.00	1.60	.05	.08	.00	0.00	1.26	.02
9	.00	---	.00	.00	.00	.09	.00	.01	.11	2.02	.00	.01	.00	.03	.00
10	.00	---	.26	.00	.00	.32	.00	.00	.00	.00	.23	.54	.00	.10	.00
11	.00	---	.02	.00	.00	.00	.00	.10	.00	.00	.05	.00	.00	.01	.00
12	.00	---	.00	.00	.28	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
13	.00	---	.00	.00	.68	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	---	.00	.18	.29	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00
15	.00	---	.00	.01	.00	.00	.90	.00	.00	.00	.00	.00	.00	1.00	.00
16	.15	---	.00	.00	.00	.00	1.22	.61	.00	.00	.00	.01	.11	.57	.00
17	.00	---	.00	.00	.00	.00	.00	1.14	.03	.89	.00	.00	.08	.00	.00
18	.00	---	.02	.27	.00	.00	.05	.01	.81	.27	.00	.00	.00	.00	.00
19	.00	---	.00	1.59	.02	.00	.57	.00	.30	.61	.00	.18	.00	.00	.00
20	.19	---	.00	.00	.00	.00	.00	.00	.10	.01	.00	.00	.39	.00	.00
21	.00	.00	.00	.00	1.16	.02	.00	.00	.03	.00	.00	.00	.02	.00	.49
22	.32	.00	.00	.09	.07	1.50	.36	.06	.00	.14	.00	1.26	.00	.00	.01
23	---	.00	.00	.00	.00	.01	.39	.43	.00	.34	.00	.10	.00	.00	.00
24	.50	.00	2.13	.04	.00	1.00	.05	.00	.01	.00	.00	.14	.00	.00	.00
25	.00	.27	.15	.00	.00	.01	.00	.00	.00	.00	.00	.00	.43	.00	.00
26	.00	.00	.00	1.84	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.03	.00	.00	.50	1.71	.31	.00	.31	.31	.00	1.31	.00	.00
28	.00	.09	.78	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.01	.00	.00	.05	.34	.00	---	.00	.00	.00	---	.00	.00	.00
30	.67	.00	.00	.00	.60	.00	.00	.00	.00	.51	.00	.00	.00	.00	.28
31	.05	.00	---	.15	---	.00	.00	.00	.00	.00	.00	.00	.20	.00	---
TOTAL	---	---	3.39	4.17	3.83	4.34	6.94	4.62	3.45	6.38	---	---	---	3.56	3.82

Table 16. Daily accumulated rainfall totals (inches) at site 16 (CRN04), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.21	0.00	0.00	0.00	0.65	0.33	0.00	0.00	0.00	0.32	0.13	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.06	.00	.00	.03	.00	.00	.00	.10	.04	.00	.00
3	.00	.00	.00	.00	.00	.03	.01	.95	.00	1.60	.00	.00	.01	.00	2.27
4	.00	.00	.00	.00	.00	.01	.00	.42	.00	.02	.02	.31	.15	.00	.66
5	.00	.26	.00	.00	.00	.00	.00	.04	.00	.00	.01	.54	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.58	.00	.00	.00	.00	.04	.00	.00	.02
7	.00	.00	.00	.00	.00	.00	.27	.00	.56	.00	.49	.00	.00	.91	.00
8	.00	.00	.00	.00	.00	.08	.57	.00	1.65	.04	.03	.00	.00	.40	.02
9	.00	.00	.01	.00	.00	.05	.00	.00	.12	2.15	.00	.01	.00	.04	.00
10	.00	.09	.37	.00	.00	.39	.00	.00	.00	.00	.34	2.13	.00	.04	.00
11	.00	.00	.02	.00	.00	.00	.00	.15	.00	.01	.08	.46	.00	.00	.00
12	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.57	.00	.02	.00	.00	.00	.00	.01	.00	.00	.00
14	.00	.00	.00	1.07	.27	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.76	.00	.00	.00	.00	.00	.00	1.92	.00
16	.00	.00	.00	.00	.00	.00	1.18	.56	.00	.00	.00	.00	.00	.28	.00
17	.05	.00	.00	.00	.00	.00	.00	.70	.01	.92	.00	.00	.04	.00	.00
18	.01	.00	.02	.38	.00	.00	.00	.01	.55	.10	.00	.00	.00	.00	.00
19	.01	.00	.00	1.05	.00	.00	.53	.00	.17	.50	.00	.46	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	1.43	.00	.00
21	.00	.00	.00	.00	1.13	.04	.00	.00	.00	.00	.00	.00	.06	.00	.62
22	.69	.00	.00	.13	.09	1.26	.37	.01	.00	.07	.00	.01	.00	.00	.12
23	7.01	.00	.00	.00	.00	.00	.43	.44	.00	.08	.00	.02	.00	.00	.00
24	.64	.00	1.64	.04	.00	.98	.06	.00	.01	.00	.00	.00	.03	.00	.00
25	.00	.00	.20	.00	.00	.01	.00	.00	.00	.00	.00	.00	.51	.00	.00
26	.00	.00	.00	1.70	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.03	.01	.00	.45	1.38	.28	.00	.31	.00	.00	2.01	.00	.00
28	.04	.29	.93	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00
29	.28	.06	.00	.00	.06	.21	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.17	.00	.00	.00	.49	.00	.00	---	.00	.68	.32	.22	.00	.00	.09
31	.07	.00	---	.04	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	9.18	0.70	3.22	4.42	3.60	3.84	6.19	3.59	3.09	6.90	1.42	4.31	4.28	3.59	3.80

Table 17. Daily accumulated rainfall totals (inches) at site 17 (CRN05), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.04	0.00	0.00	0.00	0.49	0.40	0.00	0.00	0.00	0.26	0.10	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.04	.00	.00	.06	.00	.63	.00	.05	.00	.00	.00
3	.00	.00	.00	.00	.00	.04	.00	.88	.00	.00	.01	.00	.00	.00	2.01
4	.00	.40	.00	.00	.00	.01	.00	.29	.00	.01	.00	.35	.00	.00	.40
5	.01	.05	.00	.00	.00	.00	.00	.07	.00	.00	.00	.31	.00	.00	.00
6	.00	.00	.00	.00	.04	.00	.58	.00	.00	.00	.00	.06	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.20	.00	.47	.00	.47	.00	.00	.29	.00
8	.00	.00	.00	.00	.00	.08	.32	.00	1.29	.07	.02	.00	.00	.84	.02
9	.00	.00	.03	.00	.00	.08	.00	.00	.06	1.51	.00	.01	.00	.13	.00
10	.00	.00	.18	.00	.00	.28	.00	.00	.00	.00	.13	.90	.00	.01	.00
11	.00	.00	.01	.00	.00	.00	.00	.08	.00	.00	.02	.00	.00	.00	.00
12	.00	.00	.00	.00	.30	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.45	.00	.01	.00	.00	.00	.00	.00	.00	.48	.00
14	.00	.00	.00	.03	.25	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.62	.00	.00	.00	.00	.00	.00	1.73	.00
16	.01	.00	.00	.00	.00	.00	.88	.51	.00	.00	.00	.00	.37	.97	.00
17	.00	.00	.00	.00	.00	.00	.00	.60	.03	.56	.00	.00	.01	.00	.00
18	.00	.00	.03	.27	.00	.00	.04	.00	.59	.14	.00	.00	.00	.00	.00
19	.00	.00	.00	1.20	.03	.00	.39	.00	.19	.30	.00	.25	.00	.00	.00
20	.16	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.54	.00	.00
21	.00	.00	.00	.00	.95	.05	.00	.00	.02	.00	.00	.00	.00	.00	.46
22	.36	.00	.00	.09	.20	1.22	.38	.04	.00	.44	.00	.84	.00	.00	.00
23	5.83	.00	.00	.00	.00	.00	.38	.42	.00	.13	.00	.08	.01	.00	.00
24	.30	.00	2.10	.13	.00	.98	.03	.00	.00	.00	.00	.15	.01	.00	.00
25	.00	.19	.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.38	.00	.00
26	.00	.00	.00	1.70	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.04	.00	.00	.43	1.19	.28	.00	.18	.33	.00	1.38	.00	.00
28	.00	.00	.65	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.06	.22	.00	---	.00	.00	.00	.28	.00	.00	.01
30	.25	.00	.00	.00	.54	.00	.00	---	.00	.56	.30	.05	.00	.00	.12
31	.04	.00	---	.06	---	.02	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	7.00	0.64	3.17	3.48	3.35	3.81	5.03	3.25	2.65	4.90	1.38	3.33	3.70	4.45	3.02

Table 18. Daily accumulated rainfall totals (inches) at site 18 (CRN07), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.06	0.00	0.00	0.00	0.69	0.46	0.00	0.00	0.00	0.18	0.13	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.14	.00	.00	.00	.00	.00	.00	.09	.20	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	1.02	.00	.48	.14	.00	.00	.00	3.03
4	.00	.00	.00	.00	.00	.01	.00	.60	.00	.00	.00	.41	.06	.00	1.02
5	.00	.46	.00	.00	.00	.00	.00	.04	.00	.00	.00	.43	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.69	.00	.00	.00	.00	.36	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.33	.00	.35	.00	.28	.00	.00	1.56	.00
8	.00	.00	.00	.00	.00	.07	.15	.00	1.57	.07	.30	.00	.00	.37	.00
9	.00	.00	.21	.00	.00	.07	.00	.00	.11	1.95	.00	.00	.34	.12	.00
10	.00	.00	.39	.00	.00	.48	.00	.00	.00	.00	.06	1.21	.00	.05	.00
11	.00	.00	.02	.00	.00	.01	.00	.09	.00	.00	.30	.00	.00	.00	.00
12	.00	.00	.00	.00	.31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.74	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.29	.00	.00	.00	.00	.14	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.01	.00	.83	.00	.00	.00	.01	.00	.00	1.23	.00
16	.07	.00	.00	.00	.00	.00	.90	.59	.00	.00	.00	.04	.02	.55	.00
17	.01	.00	.00	.17	.00	.00	.00	.94	.00	1.21	.00	.00	.00	.01	.00
18	.00	.00	.02	.56	.00	.00	.00	.00	1.00	---	.00	.00	.00	.00	.00
19	.00	.00	.00	3.00	.00	.00	.65	.00	.55	---	.00	.06	.00	.00	.00
20	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	---	.00	.00
21	.00	.00	.00	.00	1.41	.02	.00	.00	.01	.00	.00	.00	---	.00	.50
22	.14	.00	.00	.14	.02	1.01	.36	.08	.00	.20	.00	.00	.00	.00	.61
23	3.46	.00	.00	.01	.00	.01	.47	.33	.01	.81	.00	.06	.31	.00	.01
24	.82	.00	1.21	.00	.00	1.27	.02	.00	.09	.00	.00	.04	.18	.00	.00
25	.00	.03	.27	.00	.00	.03	.00	.00	.00	.00	.00	.00	.01	.00	.00
26	.00	.00	.00	1.83	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.15	.00	.00	.00	.38	1.63	.17	.00	.34	.00	.00	3.50	.00	.00
28	.00	.14	.70	.00	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.01	.00	.00	.06	.34	.01	---	.00	.00	.00	.00	.00	.00	.00
30	.68	.00	.00	.00	.33	.00	.00	---	.00	.62	.58	.11	.00	.00	.01
31	.09	.00	---	.08	---	.00	.00	---	.00	---	.01	---	1.74	.00	---
TOTAL	5.33	0.66	2.97	5.79	4.00	4.16	6.09	3.86	3.69	6.86	1.81	2.81	---	3.89	5.18

Table 19. Daily accumulated rainfall totals (inches) at site 19 (CRN08), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.03	0.00	0.00	0.00	0.72	0.37	0.00	0.00	0.00	0.10	0.17	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00	.01	.09	.04	.00	.00
3	.00	.00	.00	.00	.00	.01	.00	1.04	.00	.48	.13	.00	.01	.00	3.10
4	.00	.00	.00	.00	.00	.03	.00	.60	.00	.01	.00	.51	.03	.00	.92
5	.00	.12	.00	.00	.00	.00	.00	.03	.00	.00	.00	.44	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.53	.00	.00	.00	.00	.50	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.26	.00	.41	.00	.38	.00	.00	1.26	.00
8	.00	.00	.00	.00	.00	.11	.20	.00	1.48	.08	.27	.00	.00	.00	.03
9	.00	.00	.01	.00	.00	.06	.00	.00	.13	2.13	.00	.00	.33	.17	.00
10	.00	.00	.40	.00	.00	.51	.00	.00	.00	.00	.12	1.02	.00	.15	.00
11	.00	.00	.03	.00	.00	.01	.00	.11	.00	.00	.25	.01	.00	.00	.00
12	.00	.00	.00	.00	.33	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.79	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.28	.00	.00	.00	.00	.13	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.80	.00	.00	.00	.00	.00	.00	1.30	.00
16	.33	.00	.00	.00	.00	.00	.87	.62	.00	.00	.00	.04	.07	.57	.00
17	.01	.00	.00	.00	.00	.00	.00	1.17	.00	.94	.00	.00	.03	.00	.00
18	.00	.00	.02	.52	.00	.00	.00	.00	.89	.17	.00	.00	.00	.04	.00
19	.00	.00	.00	1.99	.00	.00	.67	.00	.42	1.21	.00	.04	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.02	.00	.16	.00	.00	.00	1.64	.00	.00
21	.00	.00	.00	.00	1.34	.03	.00	.00	.00	.00	.00	.00	.06	.00	.51
22	.00	.00	.00	.17	.02	1.07	.40	.07	.00	.16	.00	.02	.05	.00	.62
23	3.47	.00	.00	.00	.00	.39	.39	.35	.01	.60	.00	.04	.28	.00	.01
24	.79	.00	1.40	.02	.00	1.45	.01	.00	.09	.00	.00	.03	.24	.00	.00
25	.00	.00	.27	.00	.00	.02	.00	.01	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	1.85	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
27	.00	.00	.12	.00	.00	.39	1.67	.19	.00	.39	.00	.00	2.77	.00	.00
28	.00	.28	.60	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.08	.35	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.42	.00	.00	.00	.32	.00	.00	---	.00	.64	.04	.00	.00	.00	.01
31	.08	.00	---	.09	---	.00	.00	---	.00	---	.00	---	.59	.00	---
TOTAL	5.13	0.40	2.85	4.64	3.99	4.41	5.87	4.19	3.60	7.04	1.37	2.74	6.14	3.49	5.20

Table 20. Daily accumulated rainfall totals (inches) at site 20 (CRN09), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.12	0.00	0.00	0.00	0.72	0.48	---	0.00	0.00	0.15	0.23	0.00	0.01	0.00	0.00
2	.00	.00	.00	.00	.06	.00	---	.04	.00	.00	.00	.07	.00	.00	.00
3	.00	.00	.00	.00	.00	.02	---	1.17	.00	1.26	.02	.00	.00	.00	2.32
4	.00	.56	.00	.00	.00	.01	---	.59	.00	.00	.02	.17	.10	.00	.78
5	.14	.00	.00	.00	.00	.00	---	.09	.00	.00	.01	.39	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	---	.00	.00	.00	.00	.05	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	0.04	.00	.44	.00	.40	.00	.00	.45	.00
8	.00	.00	.00	.00	.00	.05	.82	.00	1.72	.05	.01	.00	.00	.28	.00
9	.07	.00	.15	.00	.00	.06	.00	.00	.12	2.35	.00	.01	.00	.07	.00
10	.00	.29	.37	.00	.00	.49	.00	.00	.00	.00	.19	.65	.00	.55	.00
11	.00	.00	.01	.00	.00	.00	.00	.10	.00	.00	.07	.00	.00	.00	.00
12	.00	.00	.00	.00	.31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.68	.00	.01	.00	.00	.00	.00	.00	.00	1.21	.00
14	.00	.00	.00	.14	.23	.00	.00	.00	.00	.14	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	1.00	.00	.00	.00	.00	.00	.00	.32	.00
16	.02	.00	.00	.00	.00	.00	1.03	.53	.00	.00	.00	.00	.08	.28	.00
17	.00	.00	.00	.00	.00	.00	.01	1.11	.03	.95	.00	.00	.02	.00	.00
18	.00	.00	.02	.33	.00	.00	.04	.00	.56	.30	.00	.00	.00	.00	.00
19	.00	.00	.00	1.82	.01	.00	.63	.00	.32	.53	.00	.15	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.01	.01	.07	.01	.00	.00	.93	.00	.00
21	.00	.00	.00	.00	1.23	.04	.00	.00	.03	.00	.00	.00	.08	.00	.43
22	.91	.00	.00	.12	.02	1.36	.36	.08	.00	1.09	.00	.96	.00	.00	.20
23	9.22	.00	.00	.00	.00	.00	.55	.46	.00	.56	.00	.14	.00	.00	.00
24	.67	.00	2.13	.05	.00	1.14	.04	.00	.01	.00	.00	.00	.00	.00	.00
25	.00	.00	.18	.00	.00	.02	.00	.00	.00	.00	.00	.00	.12	.00	.00
26	.00	.00	.00	1.90	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.08	.00	.00	.48	1.73	.18	.00	.20	.05	.00	1.46	.00	.00
28	.00	.41	.83	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00
29	.01	.00	.00	.00	.08	---	.00	---	.00	.00	.00	1.65	.00	.00	.08
30	.52	.00	.00	.00	.40	---	.00	---	.00	.65	.52	.09	.00	.00	.10
31	.06	.00	---	.13	---	---	.00	---	.00	---	.00	---	.14	.00	---
TOTAL	11.74	1.26	3.77	4.49	3.74	---	---	4.36	3.30	8.24	1.52	4.33	2.94	3.16	3.91

Table 21. Daily accumulated rainfall totals (inches) at site 21 (CRN11), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.17	0.00	0.00	0.00	0.62	0.51	0.00	0.00	0.00	0.28	0.20	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.05	.00	.00	.04	.00	.00	.00	.10	.00	.00	.00
3	.00	.00	.00	.00	.00	.03	.00	.96	.00	1.06	.01	.00	.03	.00	2.07
4	.00	.19	.00	.00	.00	.01	.00	.36	.00	.00	.02	.27	.24	.00	.65
5	.17	.04	.00	.00	.00	.00	.00	.15	.00	.00	.00	.40	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.58	.00	.00	.00	.00	.05	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.22	.01	.45	.00	.41	.00	.00	.45	.00
8	.00	.00	.00	.00	.00	.10	.79	.00	1.48	.07	.15	.00	.00	.33	.00
9	.00	.00	.00	.00	.00	.04	.00	.00	.09	2.16	.00	.01	.00	.22	.00
10	.00	.39	.34	.00	.00	.32	.00	.00	.00	.00	.28	1.96	.00	.12	.00
11	.00	.00	.01	.00	.00	.00	.00	.14	.00	.00	.03	.00	.00	.00	.00
12	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.59	.00	.01	.00	.00	.00	.00	.00	.00	.23	.00
14	.00	.00	.00	.29	.25	.00	.00	.00	.00	.13	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.78	.00	.00	.00	.00	.00	.00	1.67	.00
16	.01	.00	.00	.00	.00	.00	.99	.51	.00	.00	.00	.00	.23	.31	.00
17	1.66	.00	.00	.00	.00	.00	.00	.82	.04	.79	.00	.00	.02	.00	.00
18	.00	.00	.02	.31	.00	.00	.02	.00	.77	.20	.00	.00	.00	.00	.00
19	.00	.00	.00	1.42	.02	.00	.51	.00	.18	.53	.00	.06	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.01	.20	.01	.00	.00	.64	.00	.00
21	.00	.00	.00	.00	1.05	.05	.00	.00	.02	.00	.00	.00	.04	.00	.60
22	.48	.00	.00	.12	.08	1.29	.32	.06	.00	.09	.00	.37	.00	.00	.10
23	7.90	.00	.00	.00	.00	.00	.37	.38	.00	.23	.00	.06	.00	.00	.00
24	.55	.00	1.84	.07	.00	.96	.04	.00	.01	.00	.00	.36	.01	.00	.00
25	.00	.00	.14	.00	.00	.01	.00	.00	.00	.00	.00	.00	1.66	.00	.00
26	.00	.00	.00	1.62	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.06	.00	.00	.40	1.45	.28	.00	.24	.00	.00	1.69	.00	.00
28	.00	.00	.70	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
29	.02	.01	.00	.00	.07	.28	.01	---	.00	.00	.00	.03	.00	.00	.01
30	.64	.00	.00	.00	.46	.00	.00	---	.00	.64	.92	.01	.00	.00	.11
31	.06	.00	---	.08	---	.02	.00	---	.00	---	.00	---	.11	.00	---
TOTAL	11.66	0.63	3.11	3.91	3.47	4.02	6.11	3.72	3.24	6.43	2.02	3.68	4.67	3.33	3.54

Table 22. Daily accumulated rainfall totals (inches) at site 22 (CRN12), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.50	0.00	0.00	0.00	0.67	0.37	0.00	0.00	0.00	0.07	0.10	0.00	0.01	0.00	0.00
2	.00	.00	.00	.00	.04	.00	.00	.02	.00	.00	.01	.11	.15	.00	.00
3	.00	.00	.00	.00	.00	.02	.00	1.00	.83	.22	.22	.00	.00	.00	2.41
4	.00	.00	.00	.00	.00	.01	.00	.42	.00	.01	.01	.52	.01	.00	.71
5	1.29	.24	.00	.00	.00	.00	.00	.03	.00	.00	.00	.41	.00	.00	.00
6	.01	.00	.00	.00	.01	.00	.36	.00	.00	.00	.00	.06	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.27	.00	.39	.00	.33	.00	.00	1.13	.00
8	.00	.00	.00	.00	.00	.09	.58	.00	1.57	.06	.29	.00	.00	.03	.02
9	.01	.00	.10	.00	.00	.07	.00	.00	.13	1.94	.00	.01	.00	1.09	.00
10	.00	.13	.45	.00	.00	.54	.00	.00	.00	.00	.19	1.55	.00	.32	.00
11	.00	.00	.02	.00	.00	.01	.00	.11	.00	.00	.09	.29	.00	.00	.00
12	.00	.00	.00	.00	.31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.60	.00	.02	.00	.00	.00	.00	.07	.00	.43	.00
14	.00	.00	.00	.61	.21	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.72	.00	.00	.00	.00	.00	.00	.69	.00
16	.08	.00	.00	.00	.00	.00	.91	.44	.00	.01	.00	.08	.00	.27	.00
17	.00	.00	.00	.00	.00	.00	.00	1.20	.01	.94	.00	.00	.17	.01	.00
18	.00	.00	.03	.36	.00	.00	.01	.00	.55	.22	.00	.00	.00	.00	.00
19	.00	.00	.00	1.52	.00	.00	.54	.00	.22	.33	.00	.07	.00	.00	.00
20	.01	.00	.00	.00	.00	.00	.00	.00	.18	.01	.00	.01	2.65	.00	.00
21	.00	.00	.00	.00	1.24	.05	.00	.00	.02	.00	.00	.06	.09	.00	.51
22	1.01	.00	.00	.13	.01	.96	.33	.09	.00	.07	.00	.00	.04	.00	.40
23	5.19	.00	.00	.00	.00	.01	.39	.37	.01	.41	.00	.07	.35	.00	.00
24	.63	.00	1.48	.05	.00	1.14	.07	.00	.03	.00	.00	.06	.22	.00	.00
25	.00	.30	.17	.00	.00	.03	.01	.00	.00	.00	.00	.00	.76	.00	.00
26	.00	.00	.00	1.57	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.09	.00	.00	.40	1.39	.20	.00	.29	.01	.00	4.02	.00	.00
28	.00	.39	.48	.00	.00	.00	.03	.00	.00	.00	.00	.00	.01	.00	.00
29	.30	.06	.00	.00	.08	.42	.00	---	.00	.00	.00	.02	.00	.00	.02
30	.28	.00	.00	.00	.36	.00	.00	---	.00	.57	.17	.12	.00	.00	.13
31	.08	.00	---	.13	---	.00	.00	---	.00	---	.01	---	.32	.00	---
TOTAL	9.39	1.12	2.82	4.37	3.53	4.12	5.63	3.88	3.11	5.86	1.43	3.51	8.80	3.97	4.20

Table 23. Daily accumulated rainfall totals (inches) at site 23 (CRN13), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.67	0.00	0.00	0.00	0.60	0.37	0.00	0.00	0.00	0.10	0.10	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.04	.00	.00	.04	.00	.00	.00	.10	.17	.00	.00
3	.00	.00	.00	.00	.00	.02	.00	1.02	.00	1.51	.01	.00	.00	.00	2.33
4	.00	.00	.00	.00	.00	.01	.00	.44	.00	.01	.03	.49	.03	.00	.58
5	.52	.19	.00	.00	.00	.00	.00	.05	.00	.00	.00	.59	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.63	.00	.00	.00	.01	.04	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.21	.00	.46	.00	.22	.00	.00	.96	.00
8	.00	.00	.00	.00	.00	.08	.78	.00	1.64	.06	.26	.00	.00	.00	.01
9	.00	.00	.03	.00	.00	.06	.00	.00	.11	2.39	.00	.01	.00	.06	.00
10	.00	.13	.25	.00	.00	.44	.00	.00	.00	.00	.26	1.64	.00	.54	.00
11	.00	.00	.02	.00	.00	.01	.00	.12	.00	.00	.06	.38	.00	.00	.00
12	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00
13	.00	.00	.00	.00	.55	.00	.02	.00	.00	.00	.00	.02	.00	.03	.00
14	.00	.00	.00	.57	.19	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.79	.00	.00	.00	.00	.00	.00	.67	.00
16	.01	.00	.00	.00	.00	.00	1.00	.51	.00	.00	.00	.01	.00	.25	.00
17	.00	.00	.00	.00	.00	.00	.00	.97	.04	.94	.00	.00	.62	.00	.00
18	.00	.00	.02	.35	.00	.00	.01	.00	.82	.21	.00	.00	.00	.00	.00
19	.00	.00	.00	1.33	.00	.00	.58	.00	.19	.54	.00	.18	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	2.12	.00	.00
21	.00	.00	.00	.00	1.10	.06	.00	.00	.02	.00	.00	.03	.07	.00	.56
22	1.95	.00	.00	.12	.02	1.17	.36	.08	.00	.09	.00	.00	.00	.00	.07
23	4.93	.00	.00	.00	.00	.00	.39	.41	.00	.30	.00	.02	.13	.00	.00
24	.77	.00	1.59	.04	.00	1.09	.06	.00	.02	.00	.00	.07	.08	.00	.00
25	.00	.00	.16	.00	.00	.01	.00	.00	.00	.00	.00	.00	1.35	.00	.00
26	.00	.00	.00	1.69	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	---	.00	.00	.40	1.41	.22	.00	.19	.00	.00	2.85	.00	.00
28	.00	.24	---	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
29	.97	.17	.00	.00	.08	.32	.00	---	.00	.00	.00	.03	.00	.00	.01
30	.42	.00	.00	.00	.38	.00	.00	---	.00	.83	.51	.07	.00	.00	.11
31	.09	.00	---	.09	---	.00	.00	---	.00	---	.01	---	.32	.00	---
TOTAL	10.33	0.73	---	4.19	3.24	4.04	6.26	3.86	3.33	7.27	1.47	3.69	7.74	2.51	3.67

Table 24. Daily accumulated rainfall totals (inches) at site 24 (CRN14), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.13	0.00	0.00	0.00	0.49	0.36	0.00	0.00	0.00	0.03	0.17	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.05	.09	.00	.07	.00	.00	.00	.12	.00	.00	.00
3	.00	.00	.00	.00	.00	.09	.00	1.08	.00	.72	.01	.00	.00	.00	2.15
4	.00	.21	.00	.00	.00	.01	.00	.40	.00	.01	.00	.39	.56	.00	.36
5	.00	.30	.00	.00	.00	.00	.00	.11	.00	.00	.00	.33	.00	.00	.00
6	.00	.00	.00	.00	.10	.00	.52	.00	.00	.00	.00	.06	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.27	.00	.54	.00	.53	.00	.00	.45	.00
8	.00	.00	.00	.00	.00	.08	.23	.00	1.49	.11	.07	.00	.00	.01	.02
9	.00	.00	.29	.00	.00	.12	.00	.00	.11	1.74	.00	.02	.00	.07	.00
10	.00	.62	.14	.00	.00	.33	.00	.00	.00	.00	.28	1.72	.00	.02	.00
11	.00	.00	.01	.00	.00	.00	.00	.09	.00	.00	.04	.03	.00	.00	.00
12	.00	.00	.00	.00	.31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.59	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.06	.30	.00	.00	.00	.00	.14	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.69	.00	.00	.00	.00	.00	.00	.98	.00
16	.01	.00	.00	.00	.00	.00	1.04	.69	.00	.01	.00	.00	.01	.65	.00
17	.46	.00	.00	.00	.00	.00	.00	.67	.08	.75	.00	.00	.05	.00	.00
18	.00	.00	.03	.29	.00	.00	.04	.00	.72	.21	.00	.00	.00	.00	.00
19	.00	.00	.00	1.08	.03	.00	.51	.00	.18	.44	.00	.47	.00	.00	.00
20	.17	.00	.00	.00	.00	.00	.01	.01	.02	.01	.00	.00	.22	.00	.00
21	.00	.00	.00	.00	1.00	.05	.00	.00	.02	.00	.00	.09	.01	.00	.39
22	.45	.00	.00	.11	.20	1.28	.43	.04	.00	.08	.00	.82	.00	.00	.00
23	6.99	.00	.00	.00	.00	.00	.45	.41	.00	.06	.00	.08	.00	.00	.00
24	.25	.00	2.17	.13	.00	1.07	.02	.00	.01	.00	.00	.28	.02	.00	.00
25	.00	.00	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.98	.00	.00
26	.00	.00	.00	1.80	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.05	.00	.00	.49	1.53	.32	.00	.27	.24	.00	1.60	.00	.00
28	.10	.00	.73	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00
29	.01	.07	.00	.00	.06	.29	.00	---	.00	.00	.00	.31	.00	.00	.01
30	.11	.00	.00	.00	.66	.00	.00	---	.00	.57	.03	.01	.00	.00	.34
31	.05	.00	---	.06	---	.00	.00	---	.00	---	.00	---	.11	.00	---
TOTAL	8.73	1.20	3.56	3.53	3.79	4.17	5.79	3.89	3.17	5.15	1.37	4.73	3.56	2.18	3.27

Table 25. Daily accumulated rainfall totals (inches) at site 25 (CRN15), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.09	0.00	0.00	0.00	0.51	0.36	0.00	0.00	0.00	0.21	0.24	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.05	.00	.00	.04	.00	.00	.00	.07	.00	.00	.00
3	.00	.00	.00	.00	.00	.01	.00	.88	.00	1.14	.01	.00	.00	.00	1.93
4	.00	.45	.00	.00	.00	.01	.00	.48	.00	.00	.02	.19	.21	.00	.65
5	.30	.02	.00	.00	.00	.00	.00	.11	.00	.00	.00	.34	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.66	.00	.00	.00	.00	.03	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.28	.00	.37	.00	.30	.00	.00	.26	.00
8	.00	.00	.00	.00	.00	.04	.72	.00	1.40	.05	.26	.00	.00	.98	.00
9	.00	.00	---	.00	.00	.03	.00	.00	.09	2.08	.00	.01	.00	.33	.00
10	.00	.01	---	.00	.00	.31	.00	.00	.00	.00	.10	1.41	.00	.54	.00
11	.00	.00	.01	.00	.00	.00	.00	.12	.00	.00	.02	.00	.00	.00	.00
12	.00	.00	.00	.00	.23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.58	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.25	.20	.00	.00	.00	.00	.12	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.74	.00	.00	.00	.00	.00	.00	.60	.00
16	.01	.00	.00	.00	.00	.00	.96	.43	.00	.00	.00	.00	.43	.41	.00
17	.98	.00	.00	.00	.00	.00	.00	1.00	.03	.84	.00	.00	.01	.00	.00
18	.00	.00	.01	.25	.00	.00	.02	.00	.75	.17	.00	.00	.00	.00	.00
19	.00	.00	.00	1.47	.01	.00	.47	.00	.28	.59	.00	.03	.00	.00	.00
20	.01	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.00	1.28	.00	.00
21	.00	.00	.00	.00	1.02	.02	.00	.00	.01	.00	.00	.00	.03	.00	.63
22	.34	.00	.00	.09	.03	1.20	.30	.06	.00	.14	.00	.45	.01	.00	.01
23	8.40	.00	.00	.00	.00	.01	.33	.31	.00	.31	.00	.07	.00	.00	.00
24	.52	.00	1.28	.06	.00	.83	.04	.00	.01	.00	.00	.12	.00	.00	.00
25	.00	.00	.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.84	.00	.00
26	.00	.00	.00	1.34	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.04	.00	.00	.38	1.62	.17	.00	.19	.00	.00	1.95	.00	.00
28	.00	.00	.71	.00	.00	.00	.04	.00	.00	.00	.00	.00	.06	.00	.00
29	.03	.01	.01	.00	.06	.26	.00	---	.00	.00	.00	.05	.00	.00	.00
30	.29	.00	.00	.00	.35	.00	.00	---	.00	.58	.67	.01	.00	.00	.09
31	.04	.00	---	.11	---	.01	.00	---	.00	---	.00	---	.01	.00	---
TOTAL	11.01	0.49	---	3.57	3.04	3.47	6.19	3.60	2.98	6.42	1.62	2.78	4.83	3.12	3.31

Table 26. Daily accumulated rainfall totals (inches) at site 26 (CRN16), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.07	0.00	0.00	0.00	0.66	0.46	0.00	0.00	0.00	0.09	0.13	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.06	.00	.00	.04	.00	.00	.01	.04	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	1.33	.00	.99	.03	.00	.00	.00	2.31
4	.00	.43	.00	.00	.00	.01	.00	.60	.00	.01	.00	.16	.00	.00	.94
5	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	.00	.38	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.56	.00	.00	.00	.01	.02	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.38	.00	.41	.00	.38	.00	.00	.77	.00
8	.00	.00	.00	.00	.00	.02	.69	.00	1.60	.01	.11	.00	.00	.36	.00
9	.57	.00	.16	.00	.00	.07	.00	.00	.14	2.37	.00	.01	.00	1.38	.00
10	.00	.00	.33	.00	.00	.49	.00	.00	.00	.00	.42	.34	.00	.81	.00
11	.00	.00	.04	.00	.00	.00	.00	.09	.00	.00	.11	.00	.00	.00	.00
12	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.67	.00	.00	.00	.00	.00	.00	.00	.00	.85	.00
14	.00	.00	.00	.06	.25	.00	.00	.00	.00	.08	.00	.00	.00	.00	.00
15	.00	.00	.00	.01	.00	.00	1.04	.00	.00	.00	.00	.00	.00	.50	.00
16	.05	.00	.00	.00	.00	.00	.96	.62	.00	.02	.00	.00	.00	.35	.00
17	.00	.00	.00	.00	.00	.00	.00	.74	.01	.96	.00	.00	.68	.00	.00
18	.00	.00	.01	.44	.00	.00	.04	.01	.61	.33	.00	.00	.00	.00	.00
19	.00	.00	.00	2.07	.00	.00	.60	.00	.42	.69	.00	.16	.00	.00	.00
20	.00	.06	.00	.00	.00	.00	.00	.00	.27	.00	.00	.00	1.13	.00	.00
21	.00	.01	.00	.00	1.10	.01	.00	.00	.04	.00	.00	.00	.02	.00	.29
22	1.07	.00	.00	.09	.01	1.32	.35	.08	.00	.16	.00	.59	.00	.00	.03
23	9.16	.00	.00	.00	.00	.01	.50	.42	.00	.40	.00	.38	.00	.00	.00
24	.39	.00	2.05	.05	.00	1.13	.03	.00	.00	.00	.00	.05	.00	.00	.00
25	.00	.00	.19	.00	.00	.01	.09	.00	.00	.00	.00	.00	.02	.00	.00
26	.00	.00	.00	1.90	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.05	.00	.00	.47	1.90	.18	.00	.26	.27	.00	.89	.00	.00
28	.00	.00	.56	.00	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.01	.00	.06	.33	.00	---	.00	.00	.00	.63	.00	.00	.05
30	.73	.00	.00	.00	.40	.00	.00	---	.00	.52	.50	.22	.00	.00	.05
31	.05	.00	---	.14	---	.00	.00	---	.00	---	.00	---	.11	.00	---
TOTAL	12.09	0.50	3.40	4.76	3.49	4.33	7.18	4.21	3.50	6.89	1.97	2.98	2.85	5.02	3.67

Table 27. Daily accumulated rainfall totals (inches) at site 27 (CRN17), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.32	0.00	0.00	0.00	0.71	0.45	0.00	0.00	0.00	0.02	0.10	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.07	.00	.00	1.18	.00	.88	.17	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.02	.00	.59	.00	.00	.00	.34	.06	.00	2.72
4	.00	.34	.00	.00	.00	.00	.00	.06	.00	.00	.01	.57	.00	.00	1.12
5	.64	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.43	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.36	.00	.30	.00	.25	.00	.00	.16	.00
8	.00	.00	.00	.00	.00	.05	.14	.00	1.55	.04	.26	.00	.00	.02	.00
9	.19	.00	.21	.00	.00	.08	.00	.00	.12	2.28	.00	.00	.00	.73	.00
10	.00	.65	.32	.00	.00	.52	.00	.00	.00	.00	.12	1.31	.00	1.11	.00
11	.00	.00	.04	.00	.00	.01	.00	.26	.00	.00	.16	.00	.00	.00	.00
12	.00	.00	.00	.00	.26	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.71	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.45	.28	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00
15	.00	.00	.00	.02	.00	.00	.86	.00	.00	.00	.00	.00	.00	1.36	.00
16	.39	.00	.00	.00	.00	.00	.94	.54	.00	.02	.00	.00	.00	.58	.00
17	.02	.00	.00	.06	.00	.00	.00	.84	.00	1.07	.00	.00	.00	.00	.00
18	.00	.00	.00	.51	.00	.00	.01	.01	.80	.14	.00	.00	.00	.00	.00
19	.00	.00	.00	2.40	.00	.00	.70	.00	.40	1.05	.00	.09	.09	.00	.00
20	.40	.00	.00	.01	.00	.00	.00	.00	.40	.00	.00	.00	1.57	.00	.00
21	.00	.00	.00	.00	1.03	.02	.00	.00	.03	.00	.00	.00	.16	.00	.44
22	.99	.00	.00	.10	.01	1.19	.35	.08	.00	.35	.00	.59	.49	.00	.03
23	7.68	.00	.00	.00	.00	.01	.41	.33	.00	.50	.00	.21	.19	.00	.00
24	.88	.00	1.65	.02	.00	1.19	.05	.00	.02	.00	.00	.00	.01	.00	.00
25	.00	.00	.20	.01	.00	.02	.00	.00	.00	.00	.00	.00	1.65	.00	.00
26	.00	.00	.00	1.78	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.10	.00	.00	.46	1.84	.16	.00	.25	.03	.00	3.35	.00	.00
28	.00	.16	.49	.00	.00	.00	.05	.00	.00	.02	.00	.00	.00	.00	.00
29	.97	.00	.01	.00	.04	.36	.00	---	.00	.00	.00	.62	.00	.00	.00
30	.45	.00	.00	.00	.34	.00	.00	---	.00	.49	1.46	.20	.00	.00	.01
31	.07	.00	---	.10	---	.00	.00	---	.00	---	.01	---	.00	.00	---
TOTAL	13.00	1.17	3.02	5.46	3.45	4.38	6.14	4.06	3.62	7.20	2.57	4.06	7.57	3.96	4.32

Table 28. Daily accumulated rainfall totals (inches) at site 28 (CRN19), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.34	0.00	0.00	0.00	0.72	0.44	0.00	0.00	0.00	0.14	0.11	0.00	0.01	0.00	0.00
2	.00	.00	.00	.00	.06	.00	.00	.02	.01	.00	.00	.11	.02	.00	.00
3	.00	.00	.00	.00	.00	.02	.00	1.01	.00	1.78	.02	.00	.00	.00	2.20
4	.00	.45	.00	.00	.00	.01	.00	.44	.00	.00	.03	.36	.09	.00	.73
5	.04	.19	.00	.00	.00	.01	.00	.06	.00	.00	.01	.49	.00	.00	.00
6	.01	.00	.00	.00	.00	.00	.96	.00	.00	.00	.00	.03	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.28	.00	.47	.00	.34	.00	.00	.73	.00
8	.00	.00	.00	.00	.00	.05	.95	.00	1.70	.06	.27	.00	.00	.72	.01
9	.00	.00	.10	.00	.00	.07	.00	.00	.11	2.54	.00	.00	.00	1.45	.00
10	.00	.02	.26	.00	.00	.49	.00	.00	.00	.00	.14	1.69	.00	.78	.00
11	.00	.00	.01	.00	.00	.00	.00	.10	.01	.01	.05	.15	.00	.00	.00
12	.00	.00	.00	.00	.29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.67	.00	.02	.00	.00	.00	.00	.00	.00	.21	.00
14	.00	.00	.00	.34	.23	.00	.00	.00	.00	.12	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.91	.00	.00	.00	.00	.00	.00	.49	.00
16	.01	.00	.00	.00	.00	.00	1.09	.47	.00	.00	.00	.01	.00	.30	.00
17	.48	.00	.00	.00	.00	.00	.00	1.12	.02	1.00	.00	.00	.03	.01	.00
18	.00	.00	.02	.34	.00	.00	.01	.00	1.03	.21	.00	.00	.00	.00	.00
19	.00	.00	.00	1.72	.00	.00	.59	.00	.22	.73	.00	.07	.00	.00	.00
20	.42	.00	.00	.00	.00	.00	.00	.01	.04	.00	.00	.00	1.69	.00	.00
21	.00	.00	.00	.00	1.31	.04	.00	.00	.03	.00	.00	.00	.08	.00	.58
22	.95	.00	.00	.13	.02	1.33	.37	.06	.00	.10	.00	.22	.00	.00	.02
23	7.35	.00	.00	.00	.01	.00	.43	.43	.00	.35	.00	.07	.01	.00	.00
24	1.08	.00	1.61	.03	.00	1.11	.04	.00	.02	.00	.00	.40	.00	.00	.00
25	.00	.00	.18	.00	.00	.01	.01	.00	.00	.00	.00	.00	.83	.00	.01
26	.00	.00	.00	1.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.10	.00	.00	.47	1.58	.23	.00	.15	.00	.00	2.42	.00	.00
28	.00	.00	1.28	.00	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00
29	.28	.04	.00	.00	.06	.36	.00	---	.00	.00	.00	.03	.00	.00	.01
30	.53	.01	.00	.00	.45	.00	.00	---	.00	.76	.15	.13	.00	.00	.04
31	.07	.00	---	.12	---	.00	.00	---	.00	---	.00	---	.23	.00	---
TOTAL	11.56	0.71	3.56	4.47	3.82	4.41	7.28	3.95	3.66	7.95	1.12	3.76	5.41	4.69	3.60

Table 29. Daily accumulated rainfall totals (inches) at site 29 (CRN20), July 1997 through September 1998
 [---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.35	0.00	0.00	0.00	0.57	0.41	0.00	0.00	0.00	0.07	0.09	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.04	.00	.00	.01	.00	.00	.00	.10	.00	.00	.00
3	.00	.00	.00	.00	.00	.02	.00	1.20	.00	1.67	.18	.00	.00	.00	2.39
4	.00	.39	.00	.00	.00	.01	.00	.58	.00	.01	.01	.36	.04	.00	.83
5	.13	.13	.00	.00	.00	.00	.00	.02	.00	.00	.00	.61	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.44	.00	.00	.00	.00	.06	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.28	.00	.41	.00	.23	.00	.00	.52	.00
8	.00	.00	.00	.00	.00	.08	.57	.00	1.62	.05	.10	.00	.00	.31	.00
9	.02	.00	.10	.00	.00	.08	.00	.00	.13	2.09	.00	.01	.00	.42	.00
10	.00	.54	.47	.00	.00	.51	.00	.00	.00	.00	.13	1.50	.00	.47	.00
11	.00	.00	.02	.00	.00	.00	.00	.09	.00	.00	.08	.03	.00	.00	.00
12	.00	.00	.00	.00	.30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.68	.00	.01	.00	.00	.00	.00	.00	.00	.75	.00
14	.00	.00	.00	.45	.25	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00
15	.00	.00	.00	.01	.00	.00	.92	.00	.00	.00	.00	.00	.00	.55	.00
16	.02	.00	.00	.00	.00	.00	.93	.54	.00	.01	.00	.00	.00	.27	.00
17	.01	.00	.00	.00	.00	.00	.00	1.06	.02	.90	.00	.00	.01	.00	.00
18	.00	.00	.01	.28	.00	.00	.01	.00	.80	.31	.00	.00	.00	.00	.00
19	.00	.00	.00	1.28	.00	.00	.73	.00	.35	.43	.00	.21	.00	.00	.00
20	1.65	.00	.00	.00	.00	.00	.00	.01	.41	.00	.00	.00	---	.00	.01
21	.00	.00	.00	.00	1.12	.05	.00	.00	.02	.00	.00	.00	.00	.00	.25
22	.96	.00	.00	.08	.01	1.18	.39	.09	.00	.12	.00	.68	.00	.00	.02
23	5.73	.00	.00	.00	.00	.00	.49	.39	.00	.65	.00	.17	.01	.00	.00
24	.72	.00	1.51	.04	.00	1.21	.06	.00	.02	.00	.00	.12	.01	.00	.00
25	.00	.00	.14	.00	.00	.03	.00	.00	.00	.00	.00	.00	.76	.00	.00
26	.00	.00	.00	1.44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.08	.00	.00	.42	1.66	.19	.00	.35	.02	.00	3.15	.00	.00
28	.00	.11	.64	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00
29	.31	.06	.00	.00	.08	.36	.00	---	.00	.00	.00	.03	.00	.00	.11
30	.53	.00	.00	.00	.39	.00	.00	---	.00	.65	1.50	.09	.00	.00	.12
31	.11	.00	---	.09	---	.00	.00	---	.00	---	.00	---	.08	.00	---
TOTAL	10.54	1.23	2.97	3.67	3.44	4.36	6.52	4.18	3.78	7.40	2.34	3.97	---	3.29	3.73

Table 30. Daily accumulated rainfall totals (inches) at site 30 (CRN21), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.23	0.00	0.00	0.00	0.59	0.33	0.00	0.00	0.01	0.19	0.10	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.08	.00	.00	.00	.00	.00	.00	.07	.01	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	1.07	.00	1.20	.00	.00	.00	.00	2.33
4	.00	.00	.00	.00	.00	.00	.00	.46	.00	.05	.00	.68	.64	.00	.74
5	.00	.02	.00	.00	.00	.01	.00	.05	.00	.00	.00	.56	.02	.00	.00
6	.00	.01	.00	.00	.00	.00	.74	.00	.00	.00	.00	.02	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.28	.00	.42	.00	.27	.00	.00	.88	.00
8	.00	.00	.00	.00	.00	.03	.57	.00	1.51	.00	.45	.00	.00	.01	.01
9	.00	.00	.00	.00	.00	.08	.01	.00	.11	2.07	.01	.00	.00	.04	.00
10	.00	.00	.43	.00	.00	.44	.00	.00	.00	.00	.47	.80	.00	.24	.00
11	.00	.00	.03	.00	.00	.01	.00	.11	.00	.00	.07	.53	.00	.00	.00
12	.00	.00	.00	.00	.15	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00
13	.00	.00	.00	.00	.68	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	1.63	.25	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00
15	.00	.00	.00	.01	.01	.00	.79	.00	.00	.00	.00	.00	.00	.31	.00
16	.00	.00	.00	.00	.00	.00	1.35	.58	.00	.00	.00	.00	.00	.23	.00
17	.00	.00	.00	.00	.00	.00	.02	.68	.00	.84	.00	.00	1.01	.01	.00
18	.00	.00	.01	.26	.00	.00	.00	.01	.62	.18	.00	.00	.01	.00	.00
19	.00	.00	.00	.85	.00	.00	.34	.00	.16	.46	.00	.22	.00	.00	.00
20	.03	.00	.00	.00	.00	.00	.01	.00	.09	.03	.00	.00	3.34	.00	.00
21	.00	.00	.00	.00	1.09	.00	.00	.00	.00	.00	.00	.00	.02	.00	.32
22	1.46	.00	.00	.10	.04	1.27	.29	.01	.00	.03	.00	.01	.00	.00	.08
23	5.29	.00	.00	.00	.00	.01	.43	.43	.01	.12	.00	.05	.25	.00	.00
24	.47	.00	1.50	.00	.00	1.00	.10	.01	.00	.00	.00	.00	.37	.00	.00
25	.00	.00	.15	.02	.00	.03	.01	.00	.00	.00	.00	.00	.01	.00	.00
26	.00	.00	.01	1.67	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00
27	.00	.00	.02	.02	.00	.37	1.54	.22	.00	.19	.00	.00	3.24	.00	.00
28	.26	.90	.48	.00	.00	.01	.03	.01	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.01	.00	.00	.25	.00	---	.00	.00	.00	.01	.00	.00	.07
30	---	.00	.00	.00	.48	.00	.00	---	.00	.76	.00	.04	.00	.00	.05
31	---	.00	---	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	---	0.93	2.64	4.56	3.37	3.84	6.51	3.65	2.93	6.20	1.37	3.00	8.92	1.72	3.60

Table 31. Daily accumulated rainfall totals (inches) at site 31 (CRN22), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.32	0.00	0.00	0.00	0.72	0.31	0.00	0.00	0.00	0.09	0.11	0.01	0.00	0.00	0.00
2	.01	.00	.00	.00	.04	.03	.00	.00	.00	.00	.04	.13	.09	.00	.00
3	.00	.00	.00	.00	.00	.02	.00	1.09	.00	1.07	.00	.01	.00	.00	2.57
4	.00	.00	.00	.00	.00	.02	.00	.36	.00	.00	.01	.88	.02	.00	.66
5	.00	.20	.00	.00	.00	.00	.00	.25	.00	.01	.00	.43	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	1.23	.00	.00	.00	.00	.05	.00	.00	.00
7	.00	.01	.00	.00	.00	.13	.25	.00	.54	.00	.22	.00	.00	.48	.00
8	.00	.00	.00	.00	.00	.13	.64	.00	1.63	.07	.36	.00	.00	.01	.00
9	.05	.00	.05	.00	.00	.09	.00	.00	.10	2.03	.00	.02	.00	.17	.01
10	.01	.19	.39	.00	.00	.50	.00	.00	.00	.00	.19	.34	.00	.31	.00
11	.00	.01	.02	.00	.00	.00	.00	.13	.00	.00	.10	.01	.00	.00	.00
12	.00	.00	.00	.00	.31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.61	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.69	.28	.00	.00	.00	.00	.11	.00	.04	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.84	.00	.00	.00	.00	.00	.00	.28	.00
16	.00	.00	.00	.00	.00	.00	1.28	.61	.00	.00	.00	.19	.00	.23	.00
17	.00	.00	.00	.00	.00	.00	.00	.71	.02	1.01	.00	.00	.52	.00	.00
18	.01	.01	.02	.31	.00	.00	.00	.01	.71	.15	.00	.00	.00	.00	.00
19	.00	.00	.00	.70	.00	.00	.52	.00	.17	.48	.00	.27	.01	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	4.08	.00	.00
21	.00	.00	.00	.00	1.26	.03	.00	.00	.04	.00	.00	.00	.08	.00	.42
22	4.56	.00	.00	.15	.03	1.06	.39	.04	.00	.07	.00	.03	.08	.00	.03
23	5.22	.00	.00	.00	.00	.00	.40	.44	.00	.13	.00	.13	.04	.00	.00
24	.59	.00	1.48	.03	.00	1.09	.15	.00	.04	.00	.00	.00	.89	.00	.00
25	.00	.00	.16	.00	.00	.02	.00	.00	.00	.00	.00	.00	.01	.00	.00
26	.00	.01	.00	1.72	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.05	.01	.00	.42	1.53	.28	.00	.29	.02	.00	4.38	.00	.00
28	.13	.29	.67	.00	.00	.00	.02	.00	.01	.00	.01	.00	.00	.00	.00
29	.01	.00	.00	.00	.05	.32	.00	---	.00	.00	.00	.03	.00	.00	.10
30	.53	.00	.00	.00	.38	.07	.00	---	.00	.86	.02	.00	.00	.00	.04
31	.08	.00	---	.02	---	.00	.00	---	.00	---	.01	---	1.43	.00	---
TOTAL	11.52	0.72	2.84	3.63	3.68	4.09	7.28	3.92	3.27	6.38	1.09	2.57	11.63	1.48	3.83

Table 32. Daily accumulated rainfall totals (inches) at site 32 (CRN23), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.15	0.00	0.00	0.00	0.76	0.74	0.00	0.00	0.00	0.03	0.09	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00
3	.00	.00	.00	.00	.00	.02	.00	1.49	.00	---	.21	.00	.00	.00	2.30
4	.00	.61	.00	.00	.00	.01	.00	.53	.00	---	.00	.12	.00	.00	.99
5	.00	.00	.00	.00	.00	.01	.00	.03	.00	---	.00	.39	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.43	.00	.00	---	.00	.03	.00	.00	.00
7	.00	.00	.00	.00	.00	.04	.33	.00	.35	---	.24	.00	.00	.37	.00
8	.00	.00	.00	.00	.00	.04	.13	.00	1.60	.01	.02	.00	.00	.31	.00
9	1.02	.00	.43	.00	.00	.08	.00	.00	.17	---	.00	.00	.00	.93	.00
10	.03	.02	.36	.00	.00	.67	.00	.00	.00	---	.21	.32	.00	.86	.00
11	.00	.00	.04	.00	.00	.00	.00	.11	.00	.00	.18	.00	.00	.00	.00
12	.00	.00	.00	.00	.29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.85	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.25	.39	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	1.06	.00	.00	.00	.00	.00	.00	.43	.00
16	.00	.00	.00	.00	.00	.00	1.33	.70	.00	.04	.00	.00	.23	.65	.00
17	.00	.00	.00	.10	.00	.00	.00	1.00	.01	1.00	.00	.00	.01	.01	.00
18	.00	.00	.00	.61	.00	.00	.03	.00	.96	.16	.00	.00	.00	.00	.00
19	.00	.00	.00	3.97	.00	.00	.54	.00	.54	.89	.00	.00	.00	.00	.00
20	.22	.00	.00	.00	.00	.00	.00	.00	---	.01	.00	.00	.84	.00	.00
21	.00	.00	.00	.00	1.35	.02	.00	.00	---	.00	.00	.00	.07	.00	.30
22	1.38	.00	.00	.11	.01	1.67	.37	.08	---	1.16	.00	.15	.08	.00	.01
23	---	.00	.00	.00	.00	.00	.54	.38	---	.34	.00	.38	.00	.00	.00
24	.89	.00	2.04	.01	.00	1.26	.03	.00	---	.01	.00	.00	.00	.00	.00
25	.01	.00	.21	.00	.05	.02	.00	.00	---	.00	.00	.00	.06	.00	.00
26	.00	.00	.00	2.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.03	.00	.00	.48	2.30	.16	.00	.19	.00	.00	1.36	.00	.00
28	.00	.13	.37	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.04	.21	.00	---	.00	.00	.00	.26	.00	.00	.00
30	1.04	.00	.00	.00	.44	.00	.00	---	.00	.49	.39	.10	.00	.00	.00
31	.10	.00	---	.20	---	.00	.00	---	.00	---	.03	---	.09	.00	---
TOTAL	---	0.76	3.48	7.30	4.25	5.23	7.11	4.48	---	---	1.37	1.78	2.74	3.56	3.60

Table 33. Daily accumulated rainfall totals (inches) at site 33 (CRN25), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.02	0.00	0.00	0.00	0.45	0.39	0.00	0.00	0.00	0.04	0.12	0.01	0.00	0.00	0.00
2	.00	.00	.00	.00	.05	.00	.00	.11	.00	.00	.03	.04	.02	.00	.00
3	.00	.00	.00	.00	.00	.07	.00	1.20	.00	.43	.00	.00	.00	.00	2.08
4	.00	.40	.00	.00	.00	.06	.00	.46	.00	.01	.08	.21	.00	.00	.34
5	.05	.01	.00	.00	.00	.00	.00	.21	.00	.00	.01	.31	.00	.00	.00
6	.31	.00	.00	.00	.06	.00	.50	.00	.00	.00	.00	.06	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.36	.00	.48	.00	.59	.00	.00	.23	.00
8	.00	.00	.00	.00	.00	.03	.28	.00	1.30	.10	.01	.00	.00	.12	.07
9	.00	.00	.47	.00	.00	.06	.00	.00	.14	1.09	.00	.01	.00	.79	.00
10	.00	.01	.19	.00	.00	.18	.00	.00	.00	.00	.05	.46	.00	.01	.00
11	.00	.00	.01	.00	.00	.00	.00	.19	.00	.00	.09	.00	.00	.00	.00
12	.00	.00	.00	.00	.26	.00	.00	.00	.01	.00	.00	.24	.00	.00	.00
13	.00	.00	.00	.00	.56	.00	.01	.00	.00	.00	.00	.00	.00	.04	.00
14	.00	.00	.00	.03	.29	.00	.01	.00	.00	.14	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.75	.00	.00	.00	.00	.00	.00	.89	.00
16	.05	.00	.00	.00	.00	.00	1.04	.73	.01	.00	.00	.00	1.38	.38	.00
17	.00	.00	.00	.00	.00	.00	.01	.81	.08	.80	.00	.00	.01	.01	.00
18	.00	.00	.03	.27	.00	.00	.05	.01	.79	.20	.00	.00	.00	.00	.00
19	.00	.00	.00	1.21	.03	.00	.49	.00	.22	.82	.00	.02	.00	.00	.00
20	.46	.00	.00	.00	.00	.00	.00	.01	.04	.00	.00	.00	.90	.00	.00
21	.00	.00	.00	.00	1.20	.05	.00	.00	.03	.00	.00	.00	.00	.00	.54
22	1.30	.00	.00	.07	.05	1.04	.39	.04	.00	.02	.00	.47	.01	.00	.02
23	4.47	.00	.00	.00	.00	.01	.45	.42	.00	.09	.00	.12	.11	.00	.00
24	.35	.00	3.83	.06	.00	.98	.01	.00	.01	.00	.00	.00	.00	.00	.00
25	.00	.04	.12	.01	.00	.02	.00	.00	.00	.00	.00	.00	.02	.00	.00
26	.00	.00	.00	1.92	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.01	.00	.03	.01	.00	.45	1.54	.38	.00	.53	.54	.00	.60	.00	.00
28	.17	.00	.53	.00	.00	.00	.03	.01	.00	.00	.01	.00	.00	.00	.00
29	.00	.00	.00	.00	.04	.26	.00	---	.00	.00	.00	.30	.00	.01	.00
30	.30	.00	.00	.00	.58	.00	.00	---	.00	.50	.08	.38	.00	.00	.22
31	.01	.00	---	.07	---	.00	.00	---	.00	---	.00	---	.58	.00	---
TOTAL	7.50	0.46	5.21	3.65	3.57	3.60	5.92	4.58	3.11	4.77	1.61	2.63	3.63	2.48	3.27

Table 34. Daily accumulated rainfall totals (inches) at site 34 (CRN24), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.18	0.00	0.00	0.00	0.35	0.38	0.00	0.00	0.00	0.05	0.17	0.02	0.00	0.00	0.00
2	.00	.00	.00	.00	.29	.00	.00	.12	.00	.00	.14	.01	.00	.00	.00
3	.00	.00	.00	.00	.00	.07	.00	1.09	.00	.28	.23	.30	.00	.00	1.72
4	.00	.59	.00	.00	.00	.02	.00	.37	.00	.01	.12	.21	.00	.00	.14
5	.01	.01	.00	.00	.00	.00	.00	.28	.00	.00	.00	.33	.00	.01	.00
6	.47	.00	.00	.00	.10	.00	.28	.00	.00	.00	.00	.07	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.39	.00	.51	.00	.86	.00	.00	.11	.00
8	.00	.00	.00	.00	.00	.01	.17	.00	1.43	.08	.21	.00	.00	.00	.39
9	.00	.00	.05	.00	.00	.06	.00	.00	.14	.94	.00	.01	.00	.61	.00
10	.00	.00	.78	.00	.00	.27	.00	.00	.00	.00	.13	.68	.00	.13	.00
11	.00	.00	.01	.00	.00	.00	.00	.11	.00	.00	.03	.00	.00	.00	.00
12	.00	.00	.00	.00	.25	.00	.00	.00	.00	.00	.00	.41	.00	.00	.00
13	.00	.00	.00	.00	.51	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.23	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.87	.00	.00	.00	.00	.00	.00	.80	.00
16	.02	.00	.00	.00	.00	.00	.96	.58	.02	.22	.00	.00	.07	.39	.00
17	.00	.00	.00	.00	.00	.00	.01	.70	.07	.95	.00	.00	.00	.00	.00
18	.00	.00	.05	.27	.00	.00	.08	.01	.56	.18	.00	.00	.00	.00	.00
19	.00	.00	.00	1.42	.00	.00	.41	.00	.22	.71	.00	.00	.02	.00	.00
20	.00	.29	.00	.00	.00	.00	.00	.02	.06	.00	.00	.00	.01	.00	.00
21	.00	.00	.00	.00	1.25	.07	.00	.00	.06	.00	.00	.00	.00	.00	.47
22	.85	.00	.00	.07	.01	.86	.35	.04	.00	.00	.00	.38	.00	.00	.00
23	3.80	.00	.00	.00	.00	.00	.47	.48	.00	.04	.00	.04	.03	.00	.00
24	.26	.00	2.99	.07	.00	.94	.00	.00	.00	.00	.00	.00	.09	.00	.00
25	.00	.01	.17	.00	.00	.01	.00	.00	.00	.00	.00	.00	.15	.00	.00
26	.00	.00	.00	1.84	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
27	.00	.00	.01	.01	.00	.46	1.58	.45	.00	.46	.15	.00	.34	.00	.00
28	.00	.00	.33	.00	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00	.19
29	.00	.00	.01	.00	.03	.35	.00	---	.00	.00	.00	.04	.00	.19	.02
30	.73	.00	.00	.00	.42	.00	.00	---	.00	.37	.05	.24	.00	.01	.06
31	.01	.00	---	.07	---	.00	.00	---	.00	---	.00	---	.19	.00	---
TOTAL	6.33	0.90	4.40	3.75	3.44	3.50	5.63	4.25	3.07	4.38	2.09	2.74	0.91	2.25	2.99

Table 35. Daily accumulated rainfall totals (inches) at site 35 (CRN26), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.11	0.00	0.00	0.00	0.54	0.41	0.01	0.00	0.00	0.04	0.22	0.01	0.00	0.00	0.00
2	.00	.00	.00	.00	.04	.00	.04	.12	.00	.00	.03	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.07	.00	1.08	.00	.44	.00	.17	.00	.00	1.96
4	.00	.21	.00	.00	.00	.02	.00	.35	.00	.00	.15	.17	.00	.00	.31
5	.14	.00	.00	.00	.00	.00	.00	.20	.00	.00	.01	.43	.00	.00	.00
6	.31	.00	.00	.00	.10	.00	.52	.00	.00	.00	.00	.08	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.40	.01	.46	.00	.67	.00	.00	.46	.00
8	.00	.00	.00	.00	.00	.01	.67	.00	1.30	.07	.67	.00	.00	1.47	.39
9	.00	.00	.36	.00	.00	.08	.00	.00	.08	1.15	.00	.01	.00	.08	.00
10	.00	.09	.14	.00	.00	.18	.00	.00	.00	.00	.45	.99	.00	.00	.00
11	.00	.00	.01	.00	.00	.00	.00	.20	.00	.00	.06	.00	.00	.00	.00
12	.00	.00	.00	.00	.28	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00
13	.00	.00	.00	.00	.53	.00	.01	.00	.00	.00	.00	.01	.00	.85	.00
14	.00	.00	.00	.00	.27	.00	.01	.00	.00	.15	.00	.00	.00	.00	.00
15	.00	.00	.00	.08	.00	.00	.63	.00	.00	.00	.00	.00	.00	.41	.00
16	.01	.00	.00	.00	.00	.00	.95	.74	.01	.03	.00	.00	1.38	.36	.00
17	.52	.00	.00	.00	.00	.00	.00	.68	.03	.84	.00	.00	.00	.00	.00
18	.00	.00	.04	.22	.00	.00	.07	.01	.74	.18	.00	.00	.00	.00	.00
19	.00	.00	.00	1.48	.00	.00	.51	.00	.27	.46	.00	.00	.00	.00	.00
20	.00	.29	.00	.00	.00	.00	.00	.02	.00	.01	.00	.00	.96	.00	.00
21	.00	.00	.00	.00	1.16	.04	.00	.00	.06	.00	.00	.00	.00	.00	.32
22	1.06	.00	.00	.07	.04	.95	.35	.06	.00	.00	.00	.83	.00	.00	.00
23	6.04	.00	.00	.00	.00	.00	.48	.47	.01	.31	.00	.10	.04	.00	.00
24	.86	.00	3.78	.07	.00	.89	.02	.00	.00	.00	.00	.00	.40	.00	.00
25	.00	.05	.14	.00	.00	.02	.00	.00	.00	.00	.00	.00	.01	.00	.00
26	.00	.00	.01	1.69	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.07	.00	.02	.01	.00	.43	1.80	.33	.00	.46	.37	.00	.58	.00	.00
28	.00	.00	.48	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.04
29	.00	.00	.00	.00	.05	.26	.00	---	.00	.00	.00	.07	.00	.05	.00
30	.56	.00	.00	.00	.68	.00	.00	---	.00	.45	1.52	.20	.00	.00	.41
31	.03	.00	---	.13	---	.00	.00	---	.00	---	.00	---	.17	.00	---
TOTAL	9.71	0.64	4.98	3.75	3.69	3.36	6.50	4.27	2.96	4.59	4.15	3.09	3.54	3.68	3.43

Table 36. Daily accumulated rainfall totals (inches) at site 36 (CRN27), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.07	0.00	0.00	0.00	0.64	0.39	0.00	0.00	0.00	0.21	0.31	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.06	.02	.00	.06	.00	.00	.01	.06	.00	.00	.00
3	.00	.00	.00	.00	.00	.02	.00	1.09	.00	.74	.01	.00	.00	.00	2.18
4	.00	.22	.00	.00	.00	.00	.00	.53	.00	.01	.02	.23	.00	.00	.66
5	.01	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	.40	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.98	.00	.00	.00	.00	.05	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.29	.00	.39	.00	.40	.00	.00	.62	.00
8	.00	.00	.00	.00	.00	.05	.89	.00	1.54	.05	.09	.00	.00	.64	.01
9	.24	.00	.13	.00	.00	.08	.00	.00	.09	1.96	.00	.01	.00	.04	.00
10	.00	.37	.23	.00	.00	.30	.00	.00	.00	.00	.30	.59	.00	.20	.00
11	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.05	.00	.00	.00	.00
12	.00	.00	.00	.00	.26	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.67	.00	.00	.00	.00	.00	.00	.00	.00	.55	.00
14	.00	.00	.00	.17	.24	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00
15	.00	.00	.00	.01	.00	.00	.90	.00	.00	.00	.00	.00	.00	.44	.00
16	.02	.00	.00	.00	.00	.00	.91	.46	.00	.00	.00	.00	.01	.42	.00
17	.00	.00	.00	.00	.00	.00	.01	1.09	.03	.89	.00	.00	.10	.00	.00
18	.00	.00	.02	.26	.00	.00	.04	.01	.76	.21	.00	.00	.00	.00	.00
19	.00	.00	.00	1.67	.02	.00	.60	.00	.40	.54	.00	.10	.00	.00	.00
20	.07	.10	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.91	.00	.00
21	.00	.00	.00	.00	1.20	.04	.00	.00	.03	.00	.00	.00	.03	.00	.45
22	.85	.00	.00	.10	.08	1.36	.31	.06	.00	.07	.00	.82	.00	.00	.01
23	9.19	.00	.00	.00	.00	.00	.46	.41	.00	.43	.00	.12	.00	.00	.00
24	.55	.00	1.80	.05	.00	.96	.04	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.02	.16	.01	.00	.03	.00	.00	.00	.00	.00	.00	.05	.00	.00
26	.00	.00	.00	1.85	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.05	.00	.00	.46	1.75	.18	.00	.23	.22	.00	1.14	.00	.00
28	.00	.05	.87	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.06	.39	.00	---	.00	.00	.01	.53	.00	.00	.10
30	.45	.00	.00	.00	.47	.00	.00	---	.00	.52	1.37	.22	.00	.00	.13
31	.05	.00	---	.14	---	.00	.00	---	.00	---	.00	---	.26	.00	---
TOTAL	11.50	0.76	3.26	4.26	3.70	4.08	7.23	4.09	3.29	5.96	2.79	3.13	2.50	2.91	3.54

Table 37. Daily accumulated rainfall totals (inches) at site 37 (CRN28), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.42	0.00	0.00	0.00	0.72	0.35	0.00	0.00	0.00	0.08	0.17	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.05	.02	.00	.01	.00	.00	.02	.08	.00	.00	.00
3	.00	.00	.00	.00	.00	.02	.00	1.04	.00	.89	.01	.00	.00	.00	2.40
4	.00	.00	.00	.00	.00	.01	.00	.41	.00	.00	.01	.54	.10	.00	.61
5	.00	.07	.00	.00	.00	.00	.00	.09	.00	.00	.00	.36	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.64	.00	.00	.00	.00	.03	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.26	.00	.49	.00	.23	.00	.00	1.03	.00
8	.00	.00	.00	.00	.00	.11	.76	.00	1.71	.06	.22	.00	.00	.06	.01
9	.01	.00	.00	.00	.00	.07	.00	.00	.11	2.05	.00	.00	.00	.42	.00
10	.00	.01	.27	.00	.00	.54	.00	.00	.00	.00	.17	.71	.00	.11	.00
11	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.12	.02	.00	.00	.00
12	.00	.00	.00	.00	.31	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.67	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.71	.22	.00	.00	.00	.00	.10	.00	.01	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.77	.00	.00	.00	.00	.00	.00	.22	.00
16	.03	.00	.00	.00	.00	.00	1.01	.51	.00	.00	.00	.15	.00	.30	.00
17	.00	.00	.00	.00	.00	.00	.01	.88	.04	.89	.00	.00	.50	.01	.00
18	.00	.00	.02	.35	.00	.00	.00	.01	.72	.37	.00	.00	.00	.00	.00
19	.00	.00	.00	1.02	.00	.00	.57	.00	.18	.41	.00	.09	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.00	4.96	.00	.00
21	.62	.00	.00	.00	1.37	.05	.00	.00	.01	.00	.00	.23	.08	.00	.46
22	2.89	.00	.00	.15	.01	.97	.36	.08	.00	.10	.00	.03	.03	.00	.23
23	5.21	.00	.00	.00	.00	.00	.40	.45	.00	.28	.00	.04	.11	.00	.00
24	.50	.00	1.41	.04	.00	1.19	.13	.00	.03	.00	.00	.00	.30	.00	.00
25	.00	.00	.16	.00	.00	.02	.00	.00	.00	.00	.00	.00	.01	.00	.00
26	.00	.00	.00	1.70	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.08	.00	.00	.45	1.54	.26	.00	.23	.01	.00	4.15	.00	.00
28	.00	.21	.46	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.01	.00	.08	.33	.00	---	.00	.00	.00	.02	.00	.00	.01
30	.25	.00	.00	.00	.34	.00	.00	.00	.00	.72	.02	.16	.00	.00	.14
31	.07	.00	---	.11	---	.00	.00	---	.00	---	.00	---	.26	.00	---
TOTAL	10.00	0.29	2.41	4.08	3.77	4.11	6.48	3.86	3.33	6.19	0.97	2.47	10.50	2.15	3.86

Table 38. Daily accumulated rainfall totals (inches) at site 44 (CRN41), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.07	0.00	0.00	0.00	0.42	0.38	0.00	0.00	0.00	0.07	0.29	0.01	0.00	0.00	0.00
2	.00	.00	.00	.00	.05	.00	.00	.15	.00	.00	.13	.05	.00	.00	.00
3	.00	.00	.00	.00	.00	.12	.00	1.22	.00	.42	.01	.00	.00	.00	2.08
4	.00	.22	.00	.00	.00	.05	.00	.47	.00	.00	.19	.20	.00	.00	.25
5	.24	.03	.00	.00	.00	.00	.00	.27	.00	.00	.00	.39	.00	.00	.00
6	.33	.00	.00	.00	.12	.00	.33	.00	.00	.00	.00	.08	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.28	.00	.57	.00	.73	.00	.00	.26	.00
8	.00	.00	.00	.00	.00	.03	.28	.00	1.50	.14	.03	.00	.00	.00	.22
9	.02	.00	.00	.00	.00	.08	.00	.00	.12	.92	.00	.01	.00	.60	.00
10	.00	.03	.77	.00	.00	.21	.00	.00	.00	.00	.10	.50	.00	.01	.00
11	.00	.00	.00	.00	.00	.00	.00	.15	.00	.00	.06	.00	.00	.00	.00
12	.00	.00	.00	.00	.29	.00	.00	.00	.00	.00	.00	.16	.00	.00	.00
13	.00	.00	.00	.00	.60	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.26	.00	.00	.00	.00	.14	.00	.00	.00	.00	.00
15	.00	.01	.00	.10	.01	.00	.74	.00	.00	.00	.00	.00	.00	1.04	.00
16	.03	.00	.00	.00	.00	.00	1.12	.68	.01	.01	.00	.00	.03	.44	.00
17	.00	.00	.00	.00	.00	.00	.00	.79	.09	.93	.00	.00	.06	.00	.00
18	.00	.00	.05	.27	.00	.00	.07	.00	.50	.23	.00	.00	.00	.00	.00
19	.00	.00	.00	1.21	.01	.00	.45	.00	.22	.59	.00	.02	.00	.00	.00
20	.00	.05	.00	.00	.00	.00	.01	.04	.21	.01	.00	.00	2.03	.00	.00
21	.00	.00	.00	.00	1.37	.06	.00	.00	.05	.00	.00	.01	.01	.00	.63
22	.80	.00	.00	.07	.00	.96	.42	.04	.00	.02	.00	.36	.00	.00	.00
23	4.47	.00	.00	.00	.00	.00	.46	.47	.00	.10	.00	.09	.06	.00	.00
24	.42	.00	4.88	.10	.00	1.08	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.01	.03	.14	.00	.00	.01	.00	.00	.00	.00	.00	.00	.74	.00	.00
26	.00	.00	.00	2.14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.02	.01	.00	.47	1.54	.43	.00	.40	.33	.00	.55	.00	.00
28	.29	.01	.54	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.05	.46	.00	---	.00	.00	.84	.00	.00	.16	.01
30	.45	.00	.00	.00	.50	.00	.00	---	.00	.56	.01	.09	.00	.00	.12
31	.02	.00	---	.08	---	.00	.00	---	.00	---	.00	---	.71	.00	---
TOTAL	7.15	0.38	6.40	3.98	3.68	3.91	5.75	4.71	3.27	4.54	1.88	2.81	4.19	2.51	3.31

Table 39. Daily accumulated rainfall totals (inches) at site 45 (CRN29), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.23	0.00	0.00	0.00	0.52	---	0.00	0.00	0.00	0.10	0.23	0.00	0.01	0.00	0.00
2	.00	.00	.00	.00	.08	---	.00	.00	.01	.00	.00	.04	.00	.00	.00
3	.00	.00	.00	.00	.00	---	.00	1.03	.00	.96	.13	.00	.00	.00	3.31
4	.00	.04	.00	.00	.00	---	.00	.54	.00	.01	.00	.15	.00	.00	.82
5	.43	.01	.00	.00	.00	0.00	.00	.05	.00	.00	.00	.45	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.45	.00	.00	.00	.00	.06	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.19	.00	.26	.00	.41	.00	.00	.29	.00
8	.00	.00	.00	.00	.00	.07	.22	.03	1.71	.06	.45	.00	.00	.77	.00
9	.03	.00	.34	.00	.00	.07	.00	.00	.15	2.19	.00	.00	.00	.15	.00
10	.01	.06	.57	.00	.00	.48	.00	.00	.00	.00	.46	.54	.00	.11	.00
11	.00	.00	.02	.00	.00	.00	.00	.23	.00	.00	.42	.01	.00	.00	.00
12	.00	.00	.00	.00	.32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.75	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.10	.28	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.82	.00	.00	.00	.00	.00	.00	.24	.00
16	.17	.00	.00	.00	.00	.00	.92	.47	.00	.02	.00	.03	.43	.80	.00
17	.04	.00	.00	.01	.00	.00	.00	.89	.08	.98	.00	.00	.11	.00	.00
18	.00	.00	.04	.45	.00	.00	.05	.00	.45	.26	.00	.00	.00	.00	.00
19	.02	.00	.00	3.56	.00	.00	.67	.00	.66	.34	.00	.03	.07	.00	.00
20	.00	.48	.00	.00	.00	.00	.00	.00	.17	.00	.00	.00	1.02	.00	.00
21	.44	.00	.00	.00	1.29	.02	.00	.00	.06	.00	.00	.00	.05	.00	.41
22	.08	.00	.00	.12	.01	1.16	.28	.07	.00	.21	.00	.66	.05	.00	.02
23	6.30	.00	.00	.00	.00	.00	.35	.51	.01	.63	.00	.13	.80	.00	.00
24	.89	.00	1.35	.03	.00	1.14	.05	.00	.02	.00	.00	.25	.00	.00	.00
25	.01	.12	.21	.00	.00	.01	.00	.00	.00	.00	.00	.00	.11	.00	.00
26	.00	.00	.00	1.64	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.01	.00	.00	.45	1.88	.17	.00	.31	.04	.00	1.65	.00	.00
28	.00	.25	.57	.00	.00	.00	.03	.00	.00	.01	.00	.00	.00	.00	.00
29	.01	.00	.01	.00	.09	.39	.00	---	.00	.00	.00	.02	.00	.00	.48
30	.82	.00	.00	.00	.26	.00	.00	---	.00	.52	.05	.35	.00	.00	.27
31	.09	.00	---	.24	---	.00	.00	---	.00	---	.01	---	.01	.00	---
TOTAL	9.57	0.96	3.12	6.15	3.60	---	5.92	3.99	3.58	6.69	2.20	2.72	4.31	2.36	5.31

Table 40. Daily accumulated rainfall totals (inches) at site 46 (CRN30), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.73	0.00	0.00	0.00	0.79	0.35	0.03	0.00	0.00	0.06	0.10	0.00	0.00	0.01	0.00
2	0.00	0.00	0.00	0.00	0.06	0.00	0.07	0.04	0.00	0.00	0.00	0.03	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.04	0.00	1.18	0.00	1.50	0.24	0.00	0.00	0.00	2.69
4	0.00	.18	0.00	0.00	0.00	0.01	0.00	.56	0.00	0.00	0.03	.15	0.00	0.00	1.07
5	.01	.01	0.00	0.00	0.00	0.00	0.00	.13	0.00	0.00	0.00	.46	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	.35	0.00	0.00	0.00	0.00	.07	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	.40	0.00	.35	0.00	.33	0.00	0.00	.35	0.00
8	0.00	0.00	0.00	0.00	0.00	0.06	.11	0.00	1.48	.05	.39	0.00	0.00	.10	.03
9	0.06	0.00	0.43	0.00	0.00	0.08	0.00	0.00	.13	2.31	0.00	0.00	0.00	.02	0.00
10	.01	.02	.49	0.00	0.00	.49	0.00	0.00	0.00	0.00	.21	.54	0.00	.48	0.00
11	0.00	0.00	0.04	0.00	0.00	0.00	0.00	.13	0.00	0.00	.26	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.90	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	.07	0.00
14	0.00	0.00	0.00	0.09	0.29	0.00	0.00	0.00	0.00	.10	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.01	0.00	0.00	.96	0.00	0.00	0.00	0.00	0.00	0.00	1.19	0.00
16	.14	0.00	0.00	0.00	0.00	0.00	1.09	.56	0.00	.09	0.00	0.00	.52	.46	0.00
17	.34	0.00	0.00	.26	0.00	0.00	.01	.82	.04	1.07	0.00	0.00	.33	.01	0.00
18	0.00	0.00	0.04	.51	0.00	0.00	.06	.01	.62	.16	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	3.63	.01	0.00	.60	0.00	.53	.80	0.00	.58	0.00	0.00	0.00
20	0.00	0.06	0.00	.01	0.00	0.00	0.00	0.00	.29	0.00	.01	0.00	1.16	0.00	0.00
21	0.00	0.00	0.00	0.00	1.25	.03	0.00	0.00	.07	0.00	0.00	0.00	.01	0.00	.31
22	1.97	0.00	0.00	.13	0.00	1.38	.36	.09	0.00	.19	0.00	.57	.22	0.00	.04
23	10.51	0.00	0.00	0.00	0.00	0.00	.45	.42	.01	.56	0.00	.09	.07	0.00	0.00
24	.63	0.00	1.89	.05	0.00	1.13	.04	0.00	.02	0.00	0.00	.34	0.00	0.00	0.00
25	0.00	.11	.18	0.00	0.00	.01	0.00	0.00	0.00	0.00	0.00	0.00	.02	0.00	0.00
26	0.00	0.00	0.00	1.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.01	0.00	0.00	.50	1.94	.16	0.00	.29	.22	0.00	.79	0.00	0.00
28	0.00	0.00	.44	0.00	0.00	0.00	.02	.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	.27	0.00	0.00	0.00	.09	.23	0.00	---	0.00	0.00	0.00	.10	0.00	0.00	.01
30	.47	0.00	0.00	0.00	.38	0.00	0.00	---	0.00	.59	.55	.37	0.00	0.00	.01
31	.06	0.00	---	.17	---	0.00	0.00	---	0.00	---	0.00	---	.04	0.00	---
TOTAL	15.20	0.38	3.52	6.68	4.10	4.32	6.51	4.11	3.54	7.77	2.34	3.30	3.16	2.69	4.16

Table 41. Daily accumulated rainfall totals (inches) at site 47 (CRN31), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.08	0.00	0.00	0.00	0.74	0.37	0.00	0.00	0.00	0.19	0.13	0.00	0.00	1.01	0.00
2	.00	.00	.00	.00	.14	.00	.00	.00	.00	.00	.18	.14	.13	.00	.00
3	.00	.00	.00	.00	.00	.02	.00	.93	.00	.56	.18	.00	.00	.00	3.00
4	.00	.00	.00	.00	.00	.03	.00	.53	.00	.00	.00	.66	.01	.00	.93
5	.00	.14	.00	.00	.00	.00	.00	.08	.00	.00	.00	.61	.00	.00	.00
6	.00	.00	.00	.00	.01	.00	.58	.00	.00	.00	.00	.31	.00	.00	.00
7	.00	.00	.00	.00	.01	.00	.21	.00	.44	.00	.38	.00	.00	.74	.00
8	.00	.00	.00	.00	.00	.12	.31	.00	1.45	.11	.04	.00	.08	.01	.02
9	.00	.00	.10	.00	.00	.05	.00	.00	.10	2.27	.00	.01	.00	.00	.00
10	.00	.01	.42	.00	.00	.47	.00	.00	.00	.00	.10	.58	.00	.77	.00
11	.00	.00	.00	.00	.00	.01	.00	.08	.00	.00	.15	.00	.00	.03	.00
12	.00	.00	.00	.00	.35	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.75	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00
14	.08	.00	.00	.00	.26	.00	.00	.00	.00	.16	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.69	.00	.00	.00	.00	.00	.00	2.98	.00
16	.54	.00	.00	.00	.00	.00	.88	.51	.00	.01	.00	.08	.01	.77	.00
17	.00	.00	.00	.00	.00	.00	.01	1.27	.04	1.36	.00	.00	.67	.00	.00
18	.00	.00	.05	.61	.00	.00	.00	.00	.94	.24	.00	.00	.00	.00	.00
19	.00	.00	.00	1.52	.00	.00	.87	.00	.38	1.05	.00	.04	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.02	.00	.04	.00	.00	.00	3.20	.00	.00
21	.00	.00	.00	.00	1.30	.05	.00	.00	.03	.00	.00	.00	.06	.00	.66
22	.00	.00	.00	.20	.01	1.06	.42	.12	.00	.22	.00	.00	.10	.00	.56
23	3.53	.00	.00	.00	.00	.00	.36	.33	.03	.64	.00	.05	.05	.00	.00
24	.83	.00	1.07	.04	.00	1.38	.01	.00	.11	.00	.00	.02	.05	.00	.00
25	.00	.00	.27	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	1.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.14	.00	.00	.33	1.57	.19	.00	.35	.03	.00	3.35	.00	.00
28	.00	.07	.32	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
29	.97	.00	.00	.00	.13	.32	.00	---	.00	.00	.02	.00	.01	.00	.00
30	.28	.00	.00	.00	.30	.00	.00	---	.00	.67	.08	.00	.00	.00	.01
31	.04	.00	---	.13	---	.00	.00	---	.00	---	.00	---	.90	.00	---
TOTAL	6.35	0.22	2.37	4.29	4.00	4.22	5.99	4.05	3.56	7.83	1.29	2.50	8.85	6.31	5.18

Table 42. Daily accumulated rainfall totals (inches) at site 48 (CRN32), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.27	0.00	0.00	0.00	0.68	0.40	0.01	0.00	0.00	0.11	0.11	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00	.00	.07	.00	.00	.00
3	.00	.00	.00	.00	.00	.02	.00	1.37	.00	.83	.11	.00	.00	.00	3.06
4	.00	.38	.00	.00	.00	.01	.00	.67	.00	.00	.00	2.28	.11	.00	1.09
5	.60	.02	.00	.00	.00	.00	.00	.03	.00	.00	.00	.65	.00	.00	.00
6	.01	.00	.00	.00	.00	.00	.30	.00	.00	.00	.00	.07	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.41	.01	.35	.00	.30	.00	.00	.22	.00
8	.00	.00	.00	.00	.00	.09	.13	.02	1.61	.07	.17	.00	.00	.80	.01
9	1.02	.00	.61	.00	.00	.07	.00	.00	.14	2.20	.00	.01	.00	.53	.00
10	.00	.06	.37	.00	.00	.49	.00	.00	.00	.00	.14	.50	.00	.25	.00
11	.00	.00	.03	.00	.00	.00	.00	.23	.00	.00	.23	.00	.00	.00	.00
12	.00	.00	.00	.00	.35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.80	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.43	.32	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00
15	.00	.00	.00	.03	.01	.00	.94	.00	.00	.00	.00	.00	.00	.74	.00
16	.40	.00	.00	.00	.00	.00	1.04	.56	.00	.00	.00	.07	.44	.49	.00
17	.09	.00	.00	.11	.00	.00	.00	.76	.04	.93	.00	.00	.03	.01	.00
18	.00	.00	.02	.49	.00	.00	.03	.00	.72	.26	.00	.00	.00	.00	.00
19	.00	.00	.00	3.06	.00	.00	.70	.00	.53	.57	.00	.10	.01	.00	.00
20	.00	.19	.00	.00	.00	.00	.02	.01	.07	.01	.00	.00	1.89	.00	.00
21	.00	.00	.00	.00	1.45	.06	.00	.00	.05	.00	.00	.00	.09	.00	.48
22	.13	.00	.00	.16	.01	1.20	.37	.10	.00	1.06	.00	.05	.33	.00	.01
23	5.59	.00	.00	.00	.00	.01	.42	.40	.01	.59	.00	.20	.25	.00	.00
24	1.01	.00	1.52	.03	.00	1.29	.12	.00	.02	.00	.00	.09	.01	.00	.00
25	.00	.01	.23	.00	.00	.01	.01	.00	.00	.00	.00	.00	.14	.00	.00
26	.00	.00	.00	1.59	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.02	.00	.00	.51	2.10	.16	.00	.32	.04	.00	2.66	.00	.00
28	.22	.06	.34	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00
29	.31	.00	.00	.00	.10	.37	.00	---	.00	.00	.00	.64	.00	.00	.10
30	.67	.00	.00	.00	.32	.00	.00	---	.00	.47	.06	.09	.00	.00	.02
31	.10	.00	---	.19	---	.00	.00	---	.00	---	.01	---	.14	.00	---
TOTAL	10.42	0.72	3.14	6.09	4.11	4.33	6.65	4.32	3.54	7.52	1.17	2.82	6.10	3.04	4.77

Table 43. Daily accumulated rainfall totals (inches) at site 49 (CRN33), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.06	0.00	0.00	0.00	0.57	0.37	0.00	0.00	0.00	0.27	0.25	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.05	.02	.00	.10	.00	.00	.02	.00	.01	.00	.00
3	.00	.00	.00	.00	.00	.02	.00	1.10	.00	.53	.01	.00	.00	.00	2.02
4	.00	.21	.00	.00	.00	.03	.00	.39	.00	.00	.03	.25	.00	.00	.54
5	.01	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.49	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.74	.00	.00	.00	.00	.06	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.37	.00	.41	.00	.49	.00	.00	.17	.00
8	.00	.00	.00	.00	.00	.05	.53	.00	1.58	.06	.03	.00	.00	.26	.19
9	.01	.00	.11	.00	.00	.09	.00	.00	.09	1.62	.00	.00	.00	.13	.00
10	.00	.46	.42	.00	.00	.27	.00	.00	.00	.00	.26	.70	.00	.14	.00
11	.00	.00	.04	.00	.00	.00	.00	.08	.00	.00	.12	.00	.00	.00	.00
12	.00	.00	.00	.00	.29	.00	.00	.00	.00	.00	.00	.12	.00	.00	.00
13	.00	.00	.00	.00	.54	.00	.00	.00	.00	.00	.00	.00	.00	.24	.00
14	.00	.00	.00	.08	.21	.00	.00	.00	.00	.15	.00	.00	.00	.00	.00
15	.30	.00	.00	.01	.00	.00	.96	.00	.00	.00	.00	.00	.00	.54	.00
16	.03	.00	.00	.00	.00	.00	.90	.64	.00	.01	.00	.00	.04	.86	.00
17	.00	.00	.00	.00	.00	.00	.00	.65	.03	.87	.00	.00	.22	.00	.00
18	.00	.00	.03	.32	.00	.00	.06	.00	.53	.22	.00	.00	.00	.00	.00
19	.00	.00	.00	1.96	.03	.00	.49	.00	.55	.44	.00	.01	.00	.00	.00
20	.42	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	1.25	.00	.00
21	.00	.00	.00	.00	1.00	.04	.00	.00	.06	.00	.00	.00	.00	.00	.49
22	1.14	.00	.00	.09	.11	1.24	.33	.07	.00	.06	.00	.85	.00	.00	.00
23	5.29	.00	.00	.00	.00	.00	.52	.47	.00	.42	.00	.12	.05	.00	.00
24	.48	.00	2.34	.05	.00	.94	.01	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.04	.13	.00	.00	.01	.00	.00	.00	.00	.00	.00	.21	.00	.00
26	.00	.00	.00	1.69	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.06	.00	.00	.45	1.82	.17	.00	.39	.19	.00	.77	.00	.00
28	.01	.27	.52	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.07	.35	.00	---	.00	.00	.00	.12	.00	.00	.18
30	.41	.00	.00	.00	.40	.00	.00	---	.00	.38	1.01	.32	.00	.00	.51
31	.02	.00	---	.12	---	.00	.00	---	.00	---	.00	---	.20	.00	---
TOTAL	8.18	0.98	3.65	4.32	3.27	3.86	6.74	3.78	3.28	5.42	2.41	3.04	2.75	2.34	3.93

Table 44. Daily accumulated rainfall totals (inches) at site 50 (CRN34), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.05	0.00	0.00	0.00	0.33	0.25	0.00	0.00	0.00	0.01	0.16	0.01	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	.22	.00	.00	.10	.00	.00	.02	.02	.01	.00	.00
3	0.00	0.00	0.00	0.00	.00	.12	.00	1.03	.00	.26	.08	.00	0.00	0.00	1.65
4	.02	.05	.00	.00	.00	.02	.00	.34	.00	.00	.16	.16	.00	.00	.08
5	.07	.01	.00	.00	.00	.00	.00	.18	.00	.00	.00	.37	.00	.00	.00
6	.93	.00	.00	.00	.07	.00	.11	.00	.00	.00	.00	.07	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.29	.00	.50	.00	.74	.00	.00	.15	.00
8	.00	.00	.00	.00	.00	.01	.16	.00	1.60	.11	.22	.00	.00	.00	.22
9	.05	.00	.08	.00	.00	.09	.00	.00	.06	.87	.00	.01	.00	.79	.00
10	.00	.00	.53	.00	.00	.25	.00	.00	.00	.00	.02	.43	.00	.00	.00
11	.00	.00	.01	.00	.00	.00	.00	.09	.00	.00	.00	.03	.00	.00	.00
12	.00	.00	.00	.00	.29	.00	.00	.01	.00	.00	.00	.02	.00	.00	.00
13	.00	.00	.00	.00	.41	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.20	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00
15	.00	.01	.00	.00	.00	.00	.71	.00	.00	.00	.00	.00	.00	2.48	.00
16	.03	.01	.00	.00	.00	.00	.93	.57	.01	.21	.00	.00	.03	.41	.00
17	.00	.00	.00	.00	.00	.00	.01	.54	.05	.83	.00	.00	.32	.00	.00
18	.00	.00	.06	---	.00	.00	.07	.00	.45	.19	.00	.00	.00	.00	.00
19	.00	.00	.00	---	.00	.00	.37	.00	.21	.57	.00	.00	.00	.00	.00
20	.01	.05	.00	.00	.00	.00	.00	.02	.33	.01	.00	.00	.64	.00	.00
21	.00	.00	.00	.00	1.13	.09	.00	.00	.03	.00	.00	.00	.01	.00	.77
22	.93	.00	.00	.06	.00	.86	.34	.04	.00	.01	.00	.68	.00	.00	.00
23	3.39	.00	.00	.00	.00	.00	.29	.28	.00	.03	.00	.04	.02	.00	.00
24	.65	.00	3.09	.08	.00	.96	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.01	.03	.13	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	1.97	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.01	.00	.00	.36	1.19	.44	.00	.55	.17	.00	.53	.00	.00
28	.27	.05	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.03	.22	.00	---	.00	.00	.00	.05	.00	.08	.01
30	.80	.00	.00	.00	.31	.00	.00	.00	.00	.45	.68	.16	.00	.00	.08
31	.01	.00	---	.05	---	.00	.00	.00	.00	---	.00	---	.40	.00	---
TOTAL	7.22	0.21	4.31	---	2.99	3.24	4.50	3.64	3.24	4.20	2.25	2.05	1.96	3.91	2.81

Table 45. Daily accumulated rainfall totals (inches) at site 51 (CRN35), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.05	0.00	0.00	0.00	0.52	0.29	0.00	0.00	0.00	0.17	0.20	0.01	0.00	0.00	0.00
2	.00	.00	.00	.00	.04	.00	.00	.12	.00	.00	.00	.06	.00	.00	.00
3	.00	.00	.00	.00	.00	.10	.00	1.07	.00	.37	.00	.00	.00	.00	2.00
4	.00	.00	.00	.00	.00	.09	.00	.33	.00	.00	.05	.27	.00	.00	.16
5	.02	.00	.00	.00	.00	.01	.00	.04	.00	.00	.00	.35	.00	.00	.00
6	.01	.00	.00	.00	.09	.00	.20	.00	.00	.00	.00	.05	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.27	.00	.64	.00	.71	.00	.00	.17	.00
8	.00	.00	.00	.00	.00	.06	.27	.00	1.71	.16	.23	.00	.00	.00	.00
9	.22	.00	.00	.00	.00	.02	.00	.00	.07	1.04	.00	.03	.00	.11	.00
10	.00	.00	.50	.00	.00	.17	.00	.00	.00	.00	.11	1.34	.00	.01	.00
11	.00	.00	.01	.00	.00	.00	.00	.18	.00	.00	.01	.07	.00	.00	.00
12	.00	.00	.00	.00	.27	.00	.00	.00	.00	.00	.00	.17	.00	.00	.00
13	.00	.00	.00	.00	.42	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.23	.00	.02	.00	.00	.16	.00	.00	.00	.00	.00
15	.00	.01	.00	.01	.01	.00	.67	.00	.00	.00	.00	.00	.00	1.79	.00
16	.11	.00	.00	.00	.00	.00	1.04	.75	.00	.01	.00	.00	.04	.49	.00
17	.14	.00	.00	.00	.00	.00	.00	.68	.09	.93	.00	.00	.00	.00	.00
18	.00	.00	.04	.26	.00	.00	.05	.00	.45	.19	.00	.00	.00	.00	.00
19	.00	.00	.00	.61	.04	.00	.45	.00	.21	.45	.00	.30	.00	.00	.00
20	.00	.00	.00	.00	.01	.00	.00	.01	.27	.01	.01	.00	.06	.00	.00
21	.00	.00	.00	.00	1.32	.06	.00	.00	.02	.00	.00	.00	.00	.00	.66
22	.39	.00	.00	.07	.01	1.05	.40	.03	.00	.12	.00	.59	.26	.00	.00
23	3.47	.00	.00	.00	.00	.00	.35	.38	.00	.03	.00	.05	.03	.00	.00
24	.15	.00	3.66	.11	.00	1.11	.00	.00	.00	.00	.00	.35	.03	.00	.00
25	.00	.03	.11	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	2.17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.02	.00	.00	.40	1.42	.39	.00	.31	.59	.00	.81	.00	.00
28	.15	.00	.37	.00	.00	.00	.03	.00	.00	.00	.01	.00	.00	.00	.00
29	.01	.00	.00	.00	.05	.38	.00	---	.00	.00	.00	.14	.00	.00	.01
30	.17	.00	.00	.00	.42	.00	.00	---	.00	.62	.00	.05	.00	.00	.23
31	.00	.00	---	.04	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	4.89	0.04	4.71	3.27	3.43	3.75	5.18	3.98	3.46	4.57	1.92	3.83	1.23	2.57	3.06

Table 46. Daily accumulated rainfall totals (inches) at site 52 (CRN36), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.17	0.00	0.00	0.00	0.44	0.43	0.06	0.00	0.00	0.06	0.45	0.01	0.00	0.00	0.00
2	.02	.00	.00	.00	.32	.00	.09	.14	.00	.00	.07	.02	.03	.00	.00
3	.00	.00	.00	.00	.00	.09	.00	1.07	.00	.33	.08	.04	.00	.00	1.71
4	.00	.17	.00	.00	.00	.02	.00	.30	.00	.01	.12	.19	.00	.00	.21
5	.09	.29	.00	.00	.00	.00	.00	.18	.00	.00	.00	.43	.00	.00	.00
6	.07	.00	.00	.00	.20	.00	.38	.00	.00	.00	.00	.07	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.54	.00	.42	.00	.87	.00	.00	.23	.00
8	.00	.00	.00	.00	.00	.00	.40	.00	1.32	.07	.00	.00	.00	1.01	.26
9	.00	.00	.18	.00	.00	.08	.00	.00	.08	.99	.00	.03	.00	.59	.00
10	.00	.02	.31	.00	.00	.22	.00	.00	.00	.00	.64	1.05	.00	.22	.00
11	.00	.00	.00	.00	.00	.01	.00	.11	.00	.00	.03	.00	.00	.00	.00
12	.00	.00	.00	.00	.26	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00
13	.00	.03	.00	.00	.65	.00	.03	.00	.00	.00	.00	.00	.00	.11	.00
14	.00	.00	.00	.00	.26	.00	.00	.00	.00	.10	.00	.02	.00	.00	.00
15	.00	.00	.00	.04	.00	.00	.77	.00	.00	.00	.00	.00	.00	.41	.00
16	.00	.00	.00	.00	.00	.00	.74	.67	.03	.16	.00	.00	.02	.31	.00
17	.07	.00	.00	.00	.00	.00	.00	.71	.06	.95	.00	.00	.00	.00	.00
18	.00	.00	.06	.30	.00	.00	.09	.00	.59	.24	.00	.00	.00	.00	.00
19	.00	.00	.00	1.34	.00	.00	.42	.00	.26	.75	.00	.00	.00	.00	.00
20	.00	.19	.00	.00	.00	.00	.00	.03	.15	.00	.12	.00	.21	.00	.00
21	.00	.00	.00	.00	1.29	.05	.00	.00	.08	.00	.00	.00	.00	.00	.41
22	.56	.00	.00	.09	.01	.90	.33	.05	.00	.00	.00	.00	.00	.00	.00
23	2.66	.00	.00	.00	.01	.01	.48	.41	.00	.09	.00	.00	.00	.00	.00
24	.79	.00	3.10	.08	.00	.90	.01	.00	.00	.00	.00	.06	.39	.00	.00
25	.00	.03	.19	.00	.00	.01	.00	.00	.00	.00	.00	.00	.25	.00	.00
26	.00	.00	.00	1.74	.00	.00	.00	.00	.00	.00	.04	.00	.00	.00	.00
27	.02	.00	.01	.00	.00	.51	1.62	.30	.00	.41	.25	.00	.25	.00	.00
28	.00	.00	.39	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.14
29	.01	.00	.00	.00	.04	.27	.00	---	.00	.00	.00	.01	.00	.17	.02
30	.75	.00	.00	.00	.51	.00	.00	---	.00	.38	.62	.47	.00	.00	.07
31	.00	.00	---	.14	---	.00	.00	---	.00	---	.00	---	.19	.00	---
TOTAL	5.21	0.73	4.24	3.73	3.99	3.50	6.01	3.97	2.99	4.54	3.29	2.51	1.34	3.05	2.82

Table 47. Daily accumulated rainfall totals (inches) at site 53 (CRN37), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.07	0.00	0.00	0.00	0.54	0.36	0.01	0.00	0.00	0.09	0.19	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.05	.00	.00	.10	.00	.00	.00	.14	.02	.00	.00
3	.00	.00	.00	.00	.00	.07	.00	1.15	.00	.88	.01	.00	.01	.00	2.49
4	.00	.00	.00	.00	.00	.00	.00	.41	.00	.01	.00	.63	.43	.00	.55
5	.00	.18	.00	.00	.00	.01	.00	.09	.00	.00	.00	.49	.01	.00	.00
6	.00	.01	.00	.00	.09	.00	.65	.00	.00	.00	.00	.06	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.25	.00	.61	.00	.40	.00	.00	.80	.00
8	.00	.00	.00	.00	.00	.08	.24	.00	1.54	.09	.06	.00	.00	.00	.00
9	.00	.00	.34	.00	.00	.11	.00	.00	.11	2.26	.00	.02	.00	.35	.00
10	.00	.00	.17	.00	.00	.31	.00	.00	.00	.00	.45	1.69	.00	.04	.00
11	.00	.00	.01	.00	.00	.01	.00	.09	.00	.00	.03	.16	.00	.00	.00
12	.00	.00	.00	.00	.30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.01	.00
14	.00	.00	.00	.08	.31	.00	.00	.00	.00	.12	.00	.00	.00	.01	.00
15	.00	.00	.00	.00	.00	.00	.75	.00	.00	.00	.00	.00	.00	1.90	.00
16	.16	.00	.00	.00	.00	.00	1.23	.84	.00	.00	.00	.00	.06	.64	.00
17	.28	.00	.00	.00	.00	.00	.00	.64	.10	.85	.00	.00	.00	.00	.00
18	.00	.00	.04	.33	.00	.00	.01	.00	.57	.10	.00	.00	.00	.00	.00
19	.00	.00	.00	.94	.01	.00	.51	.00	.19	.45	.00	.69	.09	.00	.00
20	.00	.01	.00	.00	.00	.00	.01	.00	.04	.00	.00	.00	1.95	.00	.00
21	.15	.00	.00	.00	1.01	.05	.00	.00	.02	.00	.00	.33	.01	.00	.45
22	.43	.00	.00	.14	.13	1.51	.46	.06	.00	.03	.00	.02	.00	.00	.02
23	4.60	.00	.00	.00	.01	.00	.41	.34	.00	.02	.00	.05	.01	.00	.00
24	.75	.00	1.94	.10	.00	1.16	.04	.00	.00	.00	.00	.01	.04	.00	.00
25	.01	.10	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.32	.00	.00
26	.00	.00	.00	1.79	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.04	.00	.00	.46	1.56	.38	.00	.25	.01	.00	2.28	.00	.00
28	.40	.75	.71	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.18	.00	.00	.06	.31	.00	---	.00	.00	.01	.02	.00	.00	.01
30	.11	.00	.00	.00	.63	.00	.00	---	.00	.71	.09	.30	.00	.00	.50
31	.05	.00	---	.05	---	.00	.00	---	.00	---	.00	---	.05	.00	---
TOTAL	7.01	1.23	3.40	3.43	3.74	4.44	6.19	4.10	3.18	5.86	1.25	4.61	5.28	3.75	4.02

Table 48. Daily accumulated rainfall totals (inches) at site 54 (CRN38), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.01	0.00	0.00	0.00	0.77	0.35	0.00	0.00	0.00	0.11	0.20	0.01	0.00	0.00	0.00
2	.00	.00	.00	.00	.05	.02	.00	1.22	.00	.74	.06	.20	.19	.00	.00
3	.00	.00	.00	.00	.00	.04	.00	.43	.00	.00	.04	.00	.00	.00	3.16
4	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.76	.01	.00	.62
5	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.53	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.95	.00	.00	.00	.00	.07	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.24	.00	.64	.00	.28	.00	.00	.56	.00
8	.00	.00	.00	.00	.00	.15	.54	.00	1.79	.13	.07	.00	.00	.04	.04
9	.01	.00	.08	.00	.00	.06	.00	.00	.09	1.86	.00	.04	.00	.29	.00
10	.00	.21	.44	.00	.00	.53	.00	.00	.00	.00	.29	.27	.00	.09	.00
11	.00	.00	.01	.00	.00	.00	.00	.33	.00	.00	.10	.00	.00	.00	.00
12	.00	.00	.00	.00	.38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.83	.00	.03	.00	.00	.00	.00	.00	.00	.62	.00
14	.00	.00	.00	.45	.25	.00	.01	.00	.00	.17	.00	.00	.00	.17	.00
15	.00	.00	.00	.00	.00	.00	.85	.00	.00	.00	.00	.00	.00	.54	.00
16	.01	.00	.00	.00	.00	.00	1.00	.78	.00	.02	.00	.01	.37	.25	.00
17	.00	.00	.00	.00	.00	.00	.01	.64	.10	1.10	.00	.00	.11	.00	.00
18	.00	.00	.02	.35	.00	.00	.00	.00	.75	.37	.00	.00	.00	.00	.00
19	.00	.00	.00	.43	.00	.00	.75	.00	.11	.44	.00	.10	.00	.00	.00
20	.54	.00	.00	.00	.00	.00	.00	.00	.07	.00	.00	.00	1.38	.00	.00
21	.00	.00	.00	.00	1.39	.03	.00	.00	.02	.00	.00	.04	.00	.00	.58
22	2.58	.00	.00	.19	.03	1.15	.49	.08	.00	.08	.00	.44	.10	.00	.16
23	4.55	.00	.00	.00	.00	.01	.38	.40	.02	.16	.00	.20	1.73	.00	.00
24	.79	.00	1.53	.05	.00	1.28	.00	.00	.07	.00	.00	.00	.32	.00	.00
25	.00	.00	.22	.00	.00	.01	.00	.00	.00	.00	.00	.00	.02	.00	.00
26	.00	.00	.00	1.64	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.16	.00	.00	.44	1.66	.34	.00	.43	.14	.00	3.69	.00	.00
28	.00	.00	.61	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.10	.32	.00	---	.00	.00	.01	.15	.00	.00	.00
30	.38	.00	.00	.00	.35	.00	.00	.00	.00	.76	.88	.00	.00	.00	.02
31	.03	.00	---	.05	---	.00	.00	.00	.00	---	.01	---	.00	.00	---
TOTAL	8.90	0.22	3.07	3.16	4.15	4.39	6.92	4.24	3.66	6.37	2.08	2.82	7.92	2.56	4.58

Table 49. Daily accumulated rainfall totals (inches) at site 55 (CRN39), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.58	0.00	0.00	0.00	0.71	0.41	0.00	0.00	0.00	0.12	0.15	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00	.02	.10	.00	.00	.00
3	.00	.00	.00	.00	.00	.01	.00	1.10	.00	.54	.19	.00	.00	.00	3.01
4	.00	.44	.00	.00	.00	.01	.00	.63	.00	.00	.00	.31	.16	.00	.96
5	.13	.02	.00	.00	.00	.01	.00	.02	.00	.00	.01	.40	.00	.00	.00
6	.01	.00	.00	.00	.00	.00	.38	.00	.00	.00	.00	.04	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.38	.00	.28	.00	.34	.00	.00	.77	.00
8	.00	.00	.00	.00	.00	.10	.13	.01	1.69	.07	.26	.00	.00	.02	.02
9	.00	.00	.25	.00	.00	.09	.00	.00	.12	1.92	.00	.00	.00	.09	.00
10	.00	.24	.38	.00	.00	.45	.00	.00	.00	.00	.08	1.37	.00	.09	.00
11	.00	.00	.02	.00	.00	.00	.00	.15	.00	.00	.20	.00	.00	.00	.00
12	.00	.00	.00	.00	.35	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.81	.00	.01	.00	.00	.00	.00	.07	.00	.00	.00
14	.00	.00	.00	.00	.29	.00	.01	.00	.00	.11	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.89	.00	.00	.00	.00	.00	.00	.56	.00
16	.20	.00	.00	.00	.00	.00	.90	.53	.00	.01	.00	.01	.00	.53	.00
17	.01	.00	.00	.14	.00	.00	.00	.74	.03	1.09	.00	.00	.23	.00	.00
18	.00	.00	.02	.53	.00	.00	.03	.01	.56	.31	.00	.00	.00	.00	.00
19	.00	.00	.00	2.95	.01	.00	.68	.00	.50	.43	.00	.02	.04	.00	.00
20	.00	.13	.00	.00	.00	.00	.12	.00	.04	.00	.00	.00	.91	.00	.00
21	.00	.00	.00	.00	1.41	.04	.00	.00	.04	.00	.00	.00	.12	.00	.50
22	.08	.00	.00	.15	.01	.97	.36	.11	.00	.22	.00	.33	.02	.00	.09
23	3.56	.00	.00	.00	.00	.01	.42	.40	.01	.52	.00	.37	.00	.00	.00
24	1.24	.00	1.13	.03	.00	1.30	.18	.00	.07	.00	.00	.17	.07	.00	.00
25	.00	.00	.22	.00	.00	.01	.00	.00	.00	.00	.00	.00	.14	.00	.00
26	.00	.00	.00	1.56	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.05	.00	.00	.40	1.83	.15	.00	.25	.00	.00	3.22	.00	.00
28	.00	.03	.36	.00	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00
29	.72	.01	.00	.00	.10	.39	.00	---	.00	.00	.00	.19	.00	.00	.21
30	1.17	.00	.00	.00	.32	.00	.00	---	.00	.51	.22	.18	.00	.00	.03
31	.13	.00	---	.16	---	.00	.00	---	.00	---	.00	---	.32	.00	---
TOTAL	7.83	0.87	2.43	5.52	4.11	4.20	6.36	3.86	3.34	6.10	1.47	3.56	5.23	2.06	4.82

Table 50. Daily accumulated rainfall totals (inches) at site 56 (CRN40), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.64	0.00	0.00	0.00	0.32	0.32	0.00	0.00	0.00	0.34	0.22	0.02	0.00	0.00	0.00
2	.00	.00	.00	.00	.17	.00	.00	.15	.00	.00	.08	.01	.03	.00	.00
3	.00	.00	.00	.00	.00	.24	.00	1.21	.00	.36	.19	.40	.00	.00	1.65
4	.00	.31	.00	.00	.00	.03	.00	.50	.00	.00	.16	.19	.00	.00	.11
5	.98	.00	.00	.00	.00	.00	.00	.16	.00	.00	.01	.43	.00	.00	.00
6	.21	.00	.00	.00	.02	.00	.06	.00	.00	.00	.00	.12	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.41	.00	.59	.00	.75	.00	.00	.08	.00
8	.00	.00	.00	.00	.00	.00	.41	.00	1.86	.13	.00	.00	.00	.00	.41
9	.00	.00	.01	.00	.00	.05	.00	.02	.09	.95	.00	.04	.00	.84	.00
10	.00	.00	.67	.00	.00	.28	.00	.00	.00	.00	.04	.39	.00	.00	.00
11	.00	.00	.01	.00	.00	.00	.00	.32	.00	.00	.01	.00	.00	.00	.00
12	.00	.00	.00	.00	.27	.00	.00	.00	.00	.00	.00	.07	.00	.00	.00
13	.00	.00	.00	.00	.63	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.19	.00	.01	.00	.00	.07	.00	.00	.00	.00	.00
15	.00	.01	.00	.01	.00	.00	1.08	.04	.00	.00	.00	.00	.00	3.90	.00
16	.09	.00	.00	.00	.00	.00	.62	.65	.02	.25	.00	.00	.10	.20	.00
17	.00	.00	.00	.00	.00	.00	.00	.64	.01	.99	.00	.00	.18	.03	.00
18	.00	.00	.08	.38	.00	.00	.11	.00	.53	.29	.00	.00	.00	.00	.00
19	.00	.00	.00	1.16	.00	.00	.40	.00	.22	1.06	.00	.00	.00	.00	.00
20	.06	.00	.00	.00	.00	.00	.00	.04	.09	.00	.00	.00	.06	.00	.00
21	.00	.00	.00	.00	1.23	.07	.00	.00	.05	.00	.00	.00	.00	.00	.32
22	.49	.00	.00	.07	.01	.83	.37	.05	.00	.02	.00	1.10	.00	.00	.00
23	4.14	.00	.00	.00	.00	.00	.42	.41	.00	.04	.00	.02	.10	.00	.00
24	.70	.00	2.33	.10	.00	.99	.05	.00	.00	.00	.00	.00	.41	.00	.00
25	.01	.06	.20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00
26	.00	.00	.01	2.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.01	.00	.01	.00	.00	.44	1.61	.40	.00	.41	.31	.00	.57	.00	.00
28	.72	.00	.43	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.09
29	.00	.00	.00	.00	.01	.48	.01	---	.00	.00	.00	.00	.00	.27	.02
30	1.34	.00	.00	.00	.37	.00	.00	---	.00	.42	.09	.45	.00	.00	.09
31	.01	.00	---	.11	---	.00	.01	---	.00	---	.00	---	.66	.00	---
TOTAL	9.40	0.38	3.75	3.83	3.22	3.73	5.63	4.59	3.46	5.33	1.86	3.24	2.20	5.32	2.69

Table 51. Daily accumulated rainfall totals (inches) at site 57 (CRN42), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.61	0.00	0.00	0.00	0.33	0.35	0.01	0.00	0.00	0.03	0.18	0.01	0.00	0.00	0.00
2	.00	.00	.00	.00	.18	.00	.00	.14	.00	.00	.01	.05	.00	.00	.00
3	.00	.00	.00	.00	.00	.12	.00	1.02	.00	.33	.10	.14	.00	.00	1.67
4	.00	.41	.00	.00	.00	.02	.00	.35	.00	.00	.15	.21	.00	.00	.11
5	.23	.00	.00	.00	.00	.00	.00	.22	.00	.00	.00	.34	.00	.00	.00
6	.08	.00	.00	.00	.31	.00	.10	.00	.00	.00	.00	.10	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.37	.00	.51	.00	1.05	.00	.00	.32	.00
8	.00	.00	.00	.00	.00	.01	.21	.00	1.54	.10	.00	.00	.00	.00	.31
9	.00	.00	.21	.00	.00	.04	.00	.00	.16	1.01	.00	.02	.00	.45	.00
10	.00	.00	.91	.00	.00	.23	.00	.00	.00	.00	.21	1.00	.00	.00	.00
11	.00	.00	.01	.00	.00	.01	.00	.18	.00	.00	.03	.00	.00	.00	.00
12	.00	.00	.00	.00	.26	.00	.00	.00	.00	.00	.00	.29	.00	.00	.00
13	.00	.00	.00	.00	.54	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.01	.00	.00	.21	.00	.00	.00	.00	.08	.00	.02	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.95	.00	.00	.00	.00	.00	.00	2.47	.00
16	.00	.00	.00	.00	.00	.00	.63	.57	.03	.40	.00	.00	.05	.19	.00
17	.00	.00	.00	.00	.00	.00	.00	.64	.07	1.22	.00	.00	.00	.01	.00
18	.00	.00	.07	.39	.00	.00	.09	.00	.55	.29	.00	.00	.00	.00	.00
19	.00	.00	.00	1.42	.00	.00	.41	.00	.21	.81	.00	.00	.04	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.06	.29	.00	.00	.00	.02	.00	.00
21	.00	.00	.00	.00	1.24	.06	.00	.00	.05	.00	.00	.00	.00	.00	.31
22	.53	.00	.00	.08	.01	.86	.33	.03	.00	.00	.00	.01	.00	.00	.00
23	3.76	.00	.00	.00	.00	.00	.44	.44	.00	.05	.00	.01	.00	.00	.00
24	.76	.00	2.67	.07	.00	1.00	.07	.00	.00	.00	.00	.00	.68	.00	.00
25	.01	.03	.23	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.37	.00	.00
26	.00	.00	.00	1.86	.00	.00	.00	.00	.00	.00	.01	.00	.01	.00	.00
27	.00	.00	.01	.00	.00	.46	1.53	.37	.00	.42	.58	.00	.49	.00	.00
28	.00	.00	.39	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.10
29	.26	.00	.00	.00	.02	.29	.00	---	.00	.00	.00	.24	.00	.12	.02
30	.76	.00	.00	.00	.45	.00	.00	---	.00	.42	.01	.70	.00	.00	.06
31	.00	.00	---	.10	---	.03	.00	---	.00	---	.00	---	.26	.00	---
TOTAL	7.00	0.45	4.50	3.92	3.55	3.48	5.19	4.02	3.41	5.16	2.33	3.14	2.92	3.56	2.58

Table 52. Daily accumulated rainfall totals (inches) at site 58 (CRN43), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.04	0.00	0.00	0.00	0.56	0.40	0.04	0.00	0.00	0.09	0.22	0.01	0.00	0.00	0.00
2	.00	.00	.00	.00	.05	.00	.00	.16	.00	.00	.05	.02	.00	.00	.00
3	.00	.00	.00	.00	.00	.09	.00	1.21	.00	.39	.02	.03	.00	.00	2.10
4	.00	.60	.00	.00	.00	.02	.00	.44	.00	.00	.26	.20	.00	.00	.28
5	.21	.00	.00	.00	.00	.00	.00	.27	.00	.00	.01	.51	.00	.00	.00
6	.52	.00	.00	.00	.08	.00	.44	.00	.00	.00	.00	.06	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.28	.00	.48	.00	.74	.00	.00	.55	.00
8	.00	.00	.00	.00	.00	.02	.32	.00	1.26	.11	.15	.00	.00	.38	.32
9	.00	.00	.26	.00	.00	.09	.00	.00	.11	1.00	.00	.00	.00	.70	.00
10	.00	.02	.23	.00	.00	.18	.00	.00	.00	.00	.15	.66	.00	.01	.00
11	.00	.00	.00	.00	.00	.00	.00	.19	.00	.00	.02	.01	.00	.00	.00
12	.00	.00	.00	.00	.27	.00	.00	.00	.01	.00	.00	.08	.00	.00	.00
13	.00	.00	.00	.00	.58	.00	.01	.00	.00	.00	.00	.00	.00	.36	.00
14	.00	.00	.00	.00	.29	.00	.00	.00	.00	.15	.00	.00	.00	.00	.00
15	.00	.00	.00	.11	.01	.00	.79	.00	.00	.00	.00	.00	.00	.00	.00
16	.12	.00	.00	.00	.00	.00	1.07	.70	.02	.06	.00	.00	.09	.00	.00
17	.00	.00	.00	.00	.00	.00	.01	.86	.08	.91	.00	.00	.00	.00	.00
18	.00	.00	.06	.28	.00	.00	.07	.00	.68	.21	.00	.00	.00	.00	.00
19	.00	.00	.00	1.39	.00	.00	.46	.00	.22	.92	.00	.00	.00	.00	.00
20	.00	.06	.00	.00	.00	.00	.00	.03	.06	.01	.00	.01	.77	.00	.00
21	.00	.00	.00	.00	1.28	.00	.00	.00	.06	.00	.00	.00	.00	.00	.41
22	.91	.00	.00	.09	.03	.90	.40	.05	.00	.01	.00	.28	.00	.00	.00
23	4.60	.00	.00	.00	.00	.00	.50	.46	.00	.15	.00	.11	.04	.00	.00
24	.35	.00	4.53	.09	.00	.96	.02	.00	.00	.00	.00	.00	.22	.00	.00
25	.00	.05	.15	.00	.01	.00	.00	.00	.00	.00	.00	.00	.16	.00	.00
26	.00	.00	.00	1.97	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.02	.00	.00	.00	1.73	.38	.00	.44	.22	.00	.51	.00	.00
28	.00	.00	.52	.00	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00	.02
29	.00	.00	.00	.00	.05	.22	.00	.00	.00	.00	.00	.20	.00	.11	.00
30	.51	.00	.00	.00	.56	.00	.00	.00	.00	.56	2.24	.21	.00	.00	.17
31	.02	.00	.00	.13	.00	.00	.00	.00	.00	.00	.00	.00	.32	.00	.00
TOTAL	7.28	0.73	5.77	4.06	3.77	---	6.18	4.75	2.98	5.01	4.08	2.39	2.11	---	3.30

Table 53. Daily accumulated rainfall totals (inches) at site 59 (CRN44), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.07	0.00	0.00	0.00	0.51	0.32	0.01	0.00	0.00	0.04	0.50	0.01	0.00	0.00	0.00
2	.00	.00	.00	.00	.22	.00	.07	.17	.00	.00	.13	.01	.00	.00	.00
3	.00	.00	.00	.00	.00	.09	.00	1.28	.00	.34	.06	.18	.00	.00	1.87
4	.00	.19	.00	.00	.00	.00	.00	.39	.00	.00	.14	.20	.00	.00	.18
5	.39	.02	.00	.00	.00	.01	.00	.12	.00	.00	.01	.39	.00	.00	.00
6	.12	.00	.00	.00	.27	.00	.38	.00	.00	.00	.00	.07	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.45	.00	.50	.00	.76	.00	.00	.25	.00
8	.00	.00	.00	.00	.00	.00	.49	.00	1.35	.10	.05	.00	.00	.69	.31
9	.00	.00	.27	.00	.00	.09	.00	.00	.09	.99	.00	.02	.00	.08	.00
10	.00	.00	.25	.00	.00	.19	.00	.00	.00	.00	.66	.81	.00	.17	.00
11	.00	.00	.01	.00	.00	.01	.00	.16	.00	.00	.03	.00	.00	.00	.00
12	.00	.00	.00	.00	.29	.00	.00	.00	.00	.00	.00	.42	.00	.00	.00
13	.00	.01	.00	.00	.75	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.26	.00	.01	.00	.00	.11	.00	.00	.00	.00	.00
15	.00	.00	.00	.01	.00	.00	.78	.00	.00	.00	.00	.00	.00	.36	.00
16	.00	.00	.00	.00	.00	.00	.84	.90	.02	.14	.00	.00	.02	.26	.00
17	.03	.00	.00	.00	.00	.00	.00	.73	.07	.93	.00	.00	.00	.01	.00
18	.00	.00	.05	.24	.00	.00	.08	.00	.59	.28	.00	.00	.00	.00	.00
19	.00	.00	.00	1.36	.00	.00	.44	.00	.25	.82	.00	.00	.00	.00	.00
20	.00	.90	.00	.00	.00	.00	.00	.04	.11	.00	.05	.00	.18	.00	.00
21	.00	.00	.00	.00	1.38	.08	.00	.00	.05	.00	.00	.00	.00	.00	.28
22	.56	.00	.00	.06	.02	.90	.38	.06	.00	.00	.00	.03	.00	.00	.01
23	2.92	.00	.00	.00	.00	.00	.52	.50	.00	.11	.00	.01	.00	.00	.00
24	1.26	.00	4.46	.08	.00	.98	.00	.00	.00	.00	.00	.00	.41	.00	.00
25	.01	.05	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.20	.00	.00
26	.00	.00	.01	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.01	---	.00	.52	1.75	.38	.00	.45	.11	.00	.36	.00	.00
28	.00	.00	.39	.00	.00	.00	.02	.00	.00	.00	.01	.00	.00	.00	.15
29	.00	.00	.00	.00	.05	.19	.00	---	.00	.00	.00	.00	.00	.24	.01
30	.77	.00	.00	.00	.57	.00	.00	.00	.00	.41	1.17	.24	.00	.00	.09
31	.01	.00	---	.16	---	.00	.00	.00	.00	.00	.00	.00	.12	.00	.00
TOTAL	6.14	1.17	5.60	---	4.32	3.38	6.23	4.73	3.03	4.72	3.68	2.39	1.29	2.06	2.90

Table 54. Daily accumulated rainfall totals (inches) at site 60 (CRN45), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.23	0.00	0.00	0.00	0.82	0.42	0.00	0.00	0.00	0.55	0.15	0.01	0.00	0.00	0.00
2	.00	.00	.00	.00	.04	.00	.00	.04	.00	.00	.00	.36	.01	.00	.00
3	.00	.00	.00	.00	1.26	.05	.00	1.26	.00	1.72	.01	.00	.00	.00	2.51
4	.00	.00	.00	.00	.00	.01	.00	.44	.00	.01	.00	.73	.22	.00	.61
5	.00	.09	.00	.00	.00	.00	.00	.21	.00	.00	.00	.57	.01	.00	.00
6	.00	.00	.00	.00	.03	.00	.41	.00	.00	.00	.00	.04	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.27	.00	.63	.00	.52	.00	.00	.52	.00
8	.00	.00	.00	.00	.01	.11	.28	.00	1.68	.13	.47	.00	.00	.04	.02
9	.15	.00	.25	.00	.00	.06	.00	.00	.11	2.89	.00	.02	.04	.13	.00
10	.00	.00	.34	.00	.00	.45	.00	.00	.00	.00	.40	.47	.00	.08	.00
11	.00	.00	.01	.00	.00	.00	.00	.16	.00	.00	.09	.54	.00	.00	.00
12	.00	.00	.00	.00	.34	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.64	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	1.29	.29	.00	.00	.00	.00	.12	.00	.03	.00	.01	.00
15	.00	.01	.00	.00	.01	.00	.86	.00	.00	.00	.00	.00	.00	1.41	.00
16	.04	.00	.00	.00	.00	.00	1.41	.91	.00	.00	.00	.01	.01	.35	.00
17	.01	.00	.00	.00	.00	.00	.00	.86	.09	1.20	.00	.00	1.81	.00	.00
18	.00	.00	.03	.39	.00	.00	.01	.01	.76	.12	.00	.00	.00	.00	.00
19	.00	.00	.00	.72	.00	.00	.57	.00	.16	.37	.00	.16	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.03	.01	.00	.00	3.96	.00	.00
21	.22	.00	.00	.00	1.20	.08	.00	.00	.03	.00	.00	.05	.08	.00	.68
22	.92	.00	.00	.14	.08	1.30	.48	.06	.00	.05	.00	.07	.00	.00	.21
23	4.26	.00	.00	.00	.00	.00	.41	.36	.01	.10	.00	.05	.06	.00	.00
24	.57	.00	1.95	.07	.00	1.08	.15	.00	.01	.00	.00	.00	.90	.00	.00
25	.00	.20	.16	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	1.84	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.04	.00	.00	.44	1.55	.32	.00	.24	.01	.00	3.17	.00	.00
28	.28	1.00	.67	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00
29	.07	.00	.00	.00	.09	.35	.00	---	.00	.00	.02	.10	.00	.00	.02
30	.29	.00	.00	.00	.51	.00	.00	---	.00	.96	.07	.07	.00	.00	.13
31	.09	.00	---	.07	---	.00	.00	---	.00	---	.00	---	.17	.00	---
TOTAL	7.13	1.30	3.45	4.52	4.06	4.37	6.45	4.63	3.52	8.47	1.74	3.28	10.44	2.54	4.18

Table 55. Daily accumulated rainfall totals (inches) at site 61 (CRN46), July 1997 through September 1998
 [---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.14	0.00	0.00	0.00	0.56	0.49	0.01	0.00	0.00	0.42	0.13	0.00	0.00	0.00	0.00
2	.00	.00	.00	.00	.06	.00	.00	.11	.00	.00	.04	.02	.00	.00	.00
3	.00	.00	.00	.00	.00	.04	.00	1.14	.00	.62	.01	.00	.00	.00	1.98
4	.00	.43	.00	.00	.00	.06	.00	.42	.00	.00	.06	.21	.00	.00	.45
5	.13	.01	.00	.00	.00	.00	.00	.15	.00	.00	.00	.34	.00	.00	.00
6	.03	.00	.00	.00	.01	.00	.59	.00	.00	.00	.00	.07	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.46	.00	.71	.00	.00	.22	.00
8	.00	.00	.00	.00	.00	.05	.51	.00	1.51	.08	.04	.00	.00	1.64	.36
9	.00	.00	.03	.00	.00	.10	.00	.00	.09	1.41	.00	.00	.00	.64	.00
10	.00	.00	.31	.00	.00	.27	.00	.00	.00	.00	.39	.68	.00	.18	.00
11	.00	.00	.01	.00	.00	.00	.00	.20	.00	.00	.10	.00	.00	.00	.00
12	.00	.00	.00	.00	.29	.00	.00	.01	.00	.00	.00	.29	.00	.00	.00
13	.00	.00	.00	.00	.56	.00	.01	.00	.00	.00	.00	.01	.00	.24	.00
14	.00	.00	.00	.01	.23	.00	.00	.00	.00	.16	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.76	.00	.00	.00	.00	.00	.00	.47	.00
16	.02	.00	.00	.00	.00	.00	.96	.65	.00	.00	.00	.00	.03	.83	.00
17	.00	.00	.00	.00	.00	.00	.00	.65	.04	.77	.00	.00	.31	.00	.00
18	.00	.00	.03	.23	.00	.00	.07	.01	.82	.19	.00	.00	.00	.00	.00
19	.00	.00	.00	1.67	.03	.00	.47	.00	.30	.62	.00	.02	.00	.00	.00
20	.00	.10	.00	.00	.00	.00	.00	.01	.09	.00	.00	.00	.37	.00	.00
21	.00	.00	.00	.00	1.17	.05	.00	.00	.05	.00	.00	.00	.00	.00	.44
22	1.86	.00	.00	.08	.07	1.05	.35	.05	.00	.02	.00	.18	.00	.00	.00
23	5.34	.00	.00	.00	.00	.00	.43	.44	.00	.44	.00	.11	.05	.00	.00
24	.62	.00	3.96	.10	.00	.96	.01	.00	.01	.00	.00	.01	.01	.00	.00
25	.00	.03	.12	.01	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00	.00
26	.00	.00	.00	1.78	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.02	.00	.00	.53	1.88	.32	.00	.67	.25	.00	.76	.00	.00
28	.00	.00	.56	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.01
29	.02	.00	.00	.00	.06	.27	.00	---	.00	.00	.00	.13	.00	.01	.00
30	.43	.00	.00	.00	.82	.00	.00	---	.00	.40	1.42	.37	.00	.00	1.13
31	.01	.00	---	.10	---	.00	.00	---	.00	---	.00	---	.30	.00	---
TOTAL	8.60	0.57	5.04	3.98	3.86	3.87	6.39	4.16	3.37	5.80	3.15	2.44	1.92	4.23	4.37

Table 56. Statistical summary of atmospheric deposition water-quality data at site 37 (CSW06), March 1997 through March 1998

PARAM- ETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
PHYSICAL AND CHEMICAL PROPERTIES										
00045	RAINFALL (in./wk)	52	9.220	0.000	0.964	2.820	1.525	0.555	0.020	0.000
00046	RAINFALL, TOTAL (in./wk)	53	8.020	0.000	0.944	2.857	1.460	0.440	0.020	0.000
90095	SPECIFIC CONDUCTANCE, LAB (µS/cm at 25 °C)	34	78.000	6.000	25.529	78.000	32.750	19.000	13.750	6.750
00403	pH, LAB (STANDARD pH UNITS)	39	5.500	3.200	4.467	5.400	4.700	4.500	4.100	3.600
00940	CHLORIDE, DISSOLVED (mg/L as Cl)	35	32.000	<2.000	--	3.400	<2.000	<2.000	<2.000	<2.000
00945	SULFATE, DISSOLVED (mg/L as SO ₄)	33	6.900	<1.000	1.699*	6.000	2.000	1.400	<1.000	<1.000
NUTRIENTS, TOTAL										
00630	NO ₂ + NO ₃ , TOTAL (mg/L as N)	26	1.090	0.060	0.230	0.862	0.260	0.190	0.120	0.064
00610	NITROGEN AMMONIA, TOTAL (mg/L as N)	26	0.680	0.015	0.120	0.540	0.142	0.085	0.050	0.024
00605	NITROGEN ORGANIC, TOTAL (mg/L as N)	26	1.300	<0.020	0.237*	0.620	0.220	0.160	0.120	<0.040
00625	NITROGEN AMMONIA + ORGANIC, TOTAL (mg/L as N)	26	1.400	<0.150	0.337*	1.300	0.370	0.250	0.180	<0.150
00600	NITROGEN, TOTAL (mg/L as N)	26	2.400	0.060	0.550	2.085	0.615	0.470	0.287	0.064
00665	PHOSPHORUS, TOTAL (mg/L as P)	26	0.090	<0.010	0.015*	0.070	0.011	<0.010	<0.010	<0.010
70507	PHOSPHORUS ORTHO, TOTAL (mg/L as P)	26	0.038	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
METALS AND MINOR CONSTITUENTS, TOTAL										
01002	ARSENIC, TOTAL (µg/L as As)	31	1.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
01027	CADMIUM, TOTAL (µg/L as Cd)	31	<1.000	<1.000	--	--	--	--	--	--
01034	CHROMIUM, TOTAL (µg/L as Cr)	31	3.000	<1.000	--	1.000	<1.000	<1.000	<1.000	<1.000
01042	COPPER, TOTAL (µg/L as Cu)	31	3.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
01051	LEAD, TOTAL (µg/L as Pb)	31	2.000	<1.000	--	1.000	<1.000	<1.000	<1.000	<1.000
71900	MERCURY, TOTAL (µg/L as Hg)	31	0.500	<0.100	--	<0.100	<0.100	<0.100	<0.100	<0.100
01067	NICKEL, TOTAL (µg/L as Ni)	31	<1.000	<1.000	--	--	--	--	--	--
01092	ZINC, TOTAL (µg/L as Zn)	31	40.000	<10.000	13.007*	30.000	20.000	10.000	<10.000	<10.000
01012	BERYLLIUM, TOTAL (µg/L as Be)	27	<10.000	<10.000	--	--	--	--	--	--
01097	ANTIMONY, TOTAL (µg/L as Sb)	27	<1.000	<1.000	--	--	--	--	--	--
01147	SELENIUM, TOTAL (µg/L as Se)	27	<1.000	<1.000	--	--	--	--	--	--
01077	SILVER, TOTAL (µg/L as Ag)	27	<1.000	<1.000	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 57. Statistical summary of atmospheric deposition water-quality data at site 42 (CSW04), March 1997 through March 1998

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS			PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN					
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
PHYSICAL AND CHEMICAL PROPERTIES										
00045	RAINFALL (in./wk)	53	6.830	0.000	0.927	2.598	1.430	0.750	0.025	0.000
00046	RAINFALL, TOTAL (in./wk)	53	7.540	0.000	1.025	2.688	1.695	0.760	0.030	0.000
90095	SPECIFIC CONDUCTANCE, LAB ($\mu\text{S}/\text{cm}$ at 25 °C)	38	101.000	6.000	27.105	93.400	28.000	17.000	12.000	6.950
00403	pH, LAB (STANDARD pH UNITS)	42	5.500	3.700	4.493	5.370	4.800	4.600	4.100	3.715
00940	CHLORIDE, DISSOLVED (mg/L as Cl)	39	3.900	<2.000	--	<2.000	<2.000	<2.000	<2.000	<2.000
00945	SULFATE, DISSOLVED (mg/L as SO_4)	36	10.000	<1.000	2.043*	9.000	2.000	<1.000	<1.000	<1.000
NUTRIENTS, TOTAL										
00630	$\text{NO}_2 + \text{NO}_3$, TOTAL (mg/L as N)	30	0.650	0.070	0.230	0.639	0.303	0.170	0.127	0.075
00610	NITROGEN AMMONIA, TOTAL (mg/L as N)	30	0.340	<0.015	0.110*	0.260	0.150	0.070	0.050	<0.015
00605	NITROGEN ORGANIC, TOTAL (mg/L as N)	30	0.470	<0.080	0.203*	0.460	0.260	0.150	0.100	<0.090
00625	NITROGEN AMMONIA + ORGANIC, TOTAL (mg/L as N)	30	0.800	<0.150	0.303*	0.650	0.390	0.250	0.170	<0.150
00600	NITROGEN, TOTAL (mg/L as N)	30	1.400	0.070	0.503	1.235	0.700	0.430	0.270	0.075
00665	PHOSPHORUS, TOTAL (mg/L as P)	29	0.090	<0.010	0.009*	0.025	<0.010	<0.010	<0.010	<0.010
70507	PHOSPHORUS ORTHO, TOTAL (mg/L as P)	29	<0.100	<0.010	--	--	--	--	--	--
METALS AND MINOR CONSTITUENTS, TOTAL										
01002	ARSENIC, TOTAL ($\mu\text{g}/\text{L}$ as As)	34	1.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
01027	CADMIUM, TOTAL ($\mu\text{g}/\text{L}$ as Cd)	34	<1.000	<1.000	--	--	--	--	--	--
01034	CHROMIUM, TOTAL ($\mu\text{g}/\text{L}$ as Cr)	34	3.000	<1.000	--	1.000	<1.000	<1.000	<1.000	<1.000
01042	COPPER, TOTAL ($\mu\text{g}/\text{L}$ as Cu)	34	6.000	<1.000	--	1.000	<1.000	<1.000	<1.000	<1.000
01051	LEAD, TOTAL ($\mu\text{g}/\text{L}$ as Pb)	34	1.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
71900	MERCURY, TOTAL ($\mu\text{g}/\text{L}$ as Hg)	33	0.100	<0.100	--	<0.100	<0.100	<0.100	<0.100	<0.100
01067	NICKEL, TOTAL ($\mu\text{g}/\text{L}$ as Ni)	34	<1.000	<1.000	--	--	--	--	--	--
01092	ZINC, TOTAL ($\mu\text{g}/\text{L}$ as Zn)	34	30.000	<10.000	9.922*	30.000	10.000	<10.000	<10.000	<10.000
01012	BERYLLIUM, TOTAL ($\mu\text{g}/\text{L}$ as Be)	32	<10.000	<10.000	--	--	--	--	--	--
01097	ANTIMONY, TOTAL ($\mu\text{g}/\text{L}$ as Sb)	31	<1.000	<1.000	--	--	--	--	--	--
01147	SELENIUM, TOTAL ($\mu\text{g}/\text{L}$ as Se)	31	<1.000	<1.000	--	--	--	--	--	--
01077	SILVER, TOTAL ($\mu\text{g}/\text{L}$ as Ag)	32	<1.000	<1.000	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 58. Statistical summary of atmospheric deposition water-quality data at site 43 (CSW07), March 1997 through March 1998

PARAM- ETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
PHYSICAL AND CHEMICAL PROPERTIES										
00045	RAINFALL (in./wk)	53	4.260	0.000	0.871	2.977	1.570	0.500	0.010	0.000
00046	RAINFALL, TOTAL (in./wk)	53	4.120	0.000	0.868	2.965	1.540	0.500	0.045	0.000
90095	SPECIFIC CONDUCTANCE, LAB (µS/cm at 25 °C)	38	74.000	4.000	22.947	70.200	31.000	17.500	12.750	5.900
00403	pH, LAB (STANDARD pH UNITS)	41	5.400	3.800	4.590	5.290	4.850	4.600	4.200	3.910
00940	CHLORIDE, DISSOLVED (mg/L as Cl)	39	3.100	<2.000	--	<2.000	<2.000	<2.000	<2.000	<2.000
00945	SULFATE, DISSOLVED (mg/L as SO ₄)	34	7.000	<1.000	1.612*	6.500	2.000	<1.000	<1.000	<1.000
NUTRIENTS, TOTAL										
00630	NO ₂ + NO ₃ , TOTAL (mg/L as N)	28	0.830	0.050	0.217	0.672	0.248	0.175	0.093	0.059
00610	NITROGEN AMMONIA, TOTAL (mg/L as N)	28	0.390	<0.015	0.107*	0.210	0.150	0.070	0.050	<0.015
00605	NITROGEN ORGANIC, TOTAL (mg/L as N)	28	2.000	<0.090	0.258*	0.670	0.210	0.140	0.110	<0.100
00625	NITROGEN AMMONIA + ORGANIC, TOTAL (mg/L as N)	28	2.200	<0.150	0.356*	0.880	0.300	0.210	0.180	<0.150
00600	NITROGEN, TOTAL (mg/L as N)	28	2.300	0.070	0.560	1.940	0.665	0.395	0.292	0.079
00665	PHOSPHORUS, TOTAL (mg/L as P)	27	0.190	<0.010	0.017*	0.090	<0.010	<0.010	<0.010	<0.010
70507	PHOSPHORUS ORTHO, TOTAL (mg/L as P)	28	0.210	<0.010	--	0.039	<0.010	<0.010	<0.010	<0.010
METALS AND MINOR CONSTITUENTS, TOTAL										
01002	ARSENIC, TOTAL (µg/L as As)	31	16.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
01027	CADMIUM, TOTAL (µg/L as Cd)	31	<1.000	<1.000	--	--	--	--	--	--
01034	CHROMIUM, TOTAL (µg/L as Cr)	31	1.000	<1.000	--	1.000	<1.000	<1.000	<1.000	<1.000
01042	COPPER, TOTAL (µg/L as Cu)	31	3.000	<1.000	--	1.000	<1.000	<1.000	<1.000	<1.000
01051	LEAD, TOTAL (µg/L as Pb)	31	2.000	<1.000	--	2.000	<1.000	<1.000	<1.000	<1.000
71900	MERCURY, TOTAL (µg/L as Hg)	31	<0.100	<0.100	--	--	--	--	--	--
01067	NICKEL, TOTAL (µg/L as Ni)	31	<1.000	<1.000	--	--	--	--	--	--
01092	ZINC, TOTAL (µg/L as Zn)	31	100.000	<10.000	10.993*	30.000	10.000	<10.000	<10.000	<10.000
01012	BERYLLIUM, TOTAL (µg/L as Be)	29	<10.000	<10.000	--	--	--	--	--	--
01097	ANTIMONY, TOTAL (µg/L as Sb)	29	<1.000	<1.000	--	--	--	--	--	--
01147	SELENIUM, TOTAL (µg/L as Se)	29	<1.000	<1.000	--	--	--	--	--	--
01077	SILVER, TOTAL (µg/L as Ag)	29	<1.000	<1.000	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 59. Atmospheric deposition water-quality data at site 37 (CSW06), March 1997 through March 1998

DATE	RAINFALL (IN./WK) (00045)	RAINFALL, TOTAL (IN./WK) (00046)	SPECIFIC	PH WATER	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE, DISSOLVED (MG/L AS SO4) (00945)	NITROGEN,	NITROGEN,
			CONDUCTANCE LAB (US/CM) (90095)	RAW LAB (STANDARD UNITS) (00403)			NO2+NO3, TOTAL (MG/L AS N) (00630)	AMMONIA, TOTAL (MG/L AS N) (00710)
MAR 24-31, 1997	1.02	1.06	28	4.5	<2.0	2.5	0.380	0.280
MAR 31-APR 7	.26	.29	25	4.5	<2.0	1.5	--	--
APR 7-14	.87	.92	6	5.1	<2.0	<1.0	.070	.110
APR 14-21	.00	.00	--	--	--	--	--	--
APR 21-28	3.34	3.48	16	4.6	<2.0	<1.0	.220	.180
APR 28-MAY 5	1.45	1.46	16	4.8	<2.0	<1.0	.240	.160
MAY 5-12	.38	.42	78	4.0	<2.0	6.9	1.09	.680
MAY 12-19	.00	.00	--	--	--	--	--	--
MAY 19-27	.11	.13	78	3.6	--	1.0	--	--
MAY 27-JUNE 2	.02	.01	--	--	--	--	--	--
JUNE 2-9	1.00	.59	13	4.6	<2.0	1.5	.190	.080
JUNE 9-16	2.54	2.59	20	4.6	<2.0	1.5	.260	.140
JUNE 16-23	.00	.00	--	--	--	--	--	--
JUNE 23-30	1.14	1.22	20	4.5	<2.0	2.8	.330	.140
JUNE 30-JULY 7	.42	.44	43	4.0	<2.0	5.0	.340	.070
JULY 7-14	.01	.00	--	--	--	--	--	--
JULY 14-21	.03	.04	--	3.7	<2.0	--	--	--
JULY 21-28	9.22	8.02	8	5.4	<2.0	<1.0	.060	<.015
JULY 28-AUG 4	.32	.35	48	4.0	<2.0	2.0	--	--
AUG 4-11	.08	.11	56	4.0	<2.0	--	--	--
AUG 11-18	.00	.00	--	--	--	--	--	--
AUG 18-25	.00	.00	--	--	--	--	--	--
AUG 25-SEPT 2	.21	.21	46	4.1	<2.0	6.0	--	--
SEPT 2-8	.00	.00	--	--	--	--	--	--
SEPT 8-15	--	.27	46	4.1	<2.0	3.2	--	--
SEPT 15-22	.02	.02	--	3.2	--	--	--	--
SEPT 22-29	2.12	2.15	35	4.1	<2.0	2.5	.440	.120
SEPT 29-OCT 6	.00	.00	--	--	--	--	--	--
OCT 6-14	.00	.00	--	--	--	--	--	--
OCT 14-20	2.08	2.06	18	4.7	<2.0	1.5	.190	.090
OCT 20-27	1.89	1.88	7	5.5	<2.0	<1.0	.080	.060
OCT 27-NOV 3	.88	.95	15	4.7	<2.0	1.0	.170	.060
NOV 3-10	.00	.00	--	--	--	--	--	--
NOV 10-17	1.20	1.19	17	4.5	<2.0	1.2	.210	.050
NOV 17-24	1.38	1.46	23	4.4	<2.0	2.2	.220	.110
NOV 24-DEC 1	.69	.81	13	5.1	<2.0	<1.0	.100	.060
DEC 1-8	.03	.04	--	3.8	3.4	--	--	--
DEC 8-15	.72	.75	16	4.6	<2.0	1.5	.140	.050
DEC 15-22	1.00	1.10	22	4.4	<2.0	<1.0	.260	.050
DEC 22-29	2.01	2.05	16	5.4	<2.0	<1.0	.150	.150
DEC 29, 1997- JAN 5, 1998	.00	.02	--	--	--	--	--	--
JAN 5-12	1.66	1.75	8	5.2	<2.0	<1.0	.070	.050
JAN 12-20	2.38	2.56	--	--	--	--	--	--
JAN 20-26	.89	.94	--	--	--	--	--	--
JAN 26-FEB 2	1.55	1.55	14	4.6	<2.0	<1.0	.120	.050
FEB 2-9	1.55	1.40	17	4.4	32	<1.0	.190	.050
FEB 9-16	.28	.33	32	4.7	<2.0	1.8	--	--
FEB 16-23	1.74	1.78	9	5.1	2.3	<1.0	.120	.150
FEB 23-MAR 2	.29	.28	22	4.6	<2.0	2.0	--	--
MAR 2-9	2.31	2.32	12	4.8	<2.0	<1.0	.160	.130
MAR 9-16	.00	.02	--	4.1	--	--	--	--
MAR 16-23	.99	1.01	25	4.4	<2.0	1.4	.180	.040
MAR 23-30	.03	.02	--	3.8	--	--	--	--

Table 59. Atmospheric deposition water-quality data at site 37 (CSW06), March 1997 through March 1998—Continued

DATE	NITROGEN, AMMONIA +		NITROGEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC, TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFIL- TERED, TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOVER- ABLE (UG/L AS CR) (01034)
	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	ORGANIC TOTAL (MG/L AS N) (00625)						
MAR 24-31, 1997	0.16	0.44	0.82	<0.010	<0.010	<1	<1	3
MAR 31-APR 7	--	--	--	--	--	<1	<1	<1
APR 7-14	<.04	<.15	.07	<.010	<.010	<1	<1	<1
APR 14-21	--	--	--	--	--	--	--	--
APR 21-28	.17	.35	.57	<.010	<.010	<1	<1	1
APR 28-MAY 5	.32	.48	.72	<.010	<.010	<1	<1	<1
MAY 5-12	.62	1.3	2.4	.016	<.010	<1	<1	<1
MAY 12-19	--	--	--	--	--	--	--	--
MAY 19-27	--	--	--	--	--	--	--	--
MAY 27-JUNE 2	--	--	--	--	--	--	--	--
JUNE 2-9	.17	.25	.44	.070	<.010	<1	<1	<1
JUNE 9-16	.29	.43	.69	<.010	<.010	<1	<1	<1
JUNE 16-23	--	--	--	--	--	--	--	--
JUNE 23-30	.12	.26	.59	<.010	<.010	<1	<1	1
JUNE 30-JULY 7	.11	.18	.52	<.010	<.010	1	<1	<1
JULY 7-14	--	--	--	--	--	--	--	--
JULY 14-21	--	--	--	--	--	--	--	--
JULY 21-28	<.14	<.15	.06	<.010	<.010	<1	<1	<1
JULY 28-AUG 4	--	--	--	--	--	<1	<1	<1
AUG 4-11	--	--	--	--	--	--	--	--
AUG 11-18	--	--	--	--	--	--	--	--
AUG 18-25	--	--	--	--	--	--	--	--
AUG 25-SEPT 2	--	--	--	--	--	--	--	--
SEPT 2-8	--	--	--	--	--	--	--	--
SEPT 8-15	--	--	--	--	--	<1	<1	<1
SEPT 15-22	--	--	--	--	--	--	--	--
SEPT 22-29	.29	.41	.85	<.010	<.010	<1	<1	<1
SEPT 29-OCT 6	--	--	--	--	--	--	--	--
OCT 6-14	--	--	--	--	--	--	--	--
OCT 14-20	.19	.28	.47	.090	<.010	<1	<1	<1
OCT 20-27	1.3	1.4	1.5	.060	.038	<1	<1	<1
OCT 27-NOV 3	.22	.28	.45	<.010	<.010	<1	<1	<1
NOV 3-10	--	--	--	--	--	--	--	--
NOV 10-17	.12	.17	.38	<.010	<.010	<1	<1	<1
NOV 17-24	.14	.25	.47	<.010	<.010	<1	<1	<1
NOV 24-DEC 1	.13	.19	.29	<.010	<.010	<1	<1	<1
DEC 1-8	--	--	--	--	--	--	--	--
DEC 8-15	.16	.21	.35	.050	<.010	<1	<1	<1
DEC 15-22	.16	.21	.47	.036	<.010	<1	<1	<1
DEC 22-29	.22	.37	.52	.011	<.010	<1	<1	<1
DEC 29, 1997- JAN 5, 1998	--	--	--	--	--	--	--	--
JAN 5-12	.16	.21	.28	<.010	<.010	<1	<1	<1
JAN 12-20	--	--	--	--	--	--	--	--
JAN 20-26	--	--	--	--	--	--	--	--
JAN 26-FEB 2	<.10	<.15	.12	<.010	<.010	<1	<1	<1
FEB 2-9	<.10	<.15	.19	<.010	<.010	<1	<1	<1
FEB 9-16	--	--	--	--	--	<1	<1	<1
FEB 16-23	.14	.29	.41	.010	<.010	<1	<1	<1
FEB 23-MAR 2	--	--	--	--	--	<1	<1	<1
MAR 2-9	<.02	<.15	.16	<.010	<.010	<1	<1	<1
MAR 9-16	--	--	--	--	--	--	--	--
MAR 16-23	.29	.33	.51	<.010	<.010	<1	<1	<1
MAR 23-30	--	--	--	--	--	--	--	--

Table 59. Atmospheric deposition water-quality data at site 37 (CSW06), March 1997 through March 1998—Continued

DATE	COPPER, TOTAL RECOVER- ABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVER- ABLE (UG/L AS PB) (01051)	MERCURY, TOTAL RECOVER- ABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVER- ABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVER- ABLE (UG/L AS ZN) (01092)	BERYL- LIUM, TOTAL, RECOVER- ABLE (UG/L AS BE) (01012)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVER- ABLE (UG/L AS AG) (01077)
MAR 24-31, 1997	3	<1	<0.10	<1	30	<10	<1	<1	<1
MAR 31-APR 7	<1	<1	<.10	<1	<10	--	--	--	--
APR 7-14	<1	<1	<.10	<1	<10	<10	<1	<1	<1
APR 14-21	--	--	--	--	--	--	--	--	--
APR 21-28	<1	<1	<.10	<1	<10	<10	<1	<1	<1
APR 28-MAY 5	<1	2	<.10	<1	20	<10	<1	<1	<1
MAY 5-12	<1	1	<.10	<1	<10	--	--	--	--
MAY 12-19	--	--	--	--	--	--	--	--	--
MAY 19-27	--	--	--	--	--	--	--	--	--
MAY 27-JUNE 2	--	--	--	--	--	--	--	--	--
JUNE 2-9	<1	<1	<.10	<1	10	<10	<1	<1	<1
JUNE 9-16	<1	<1	<.10	<1	10	<10	<1	<1	<1
JUNE 16-23	--	--	--	--	--	--	--	--	--
JUNE 23-30	<1	<1	<.10	<1	<10	<10	<1	<1	<1
JUNE 30-JULY 7	<1	<1	<.10	<1	<10	<10	<1	<1	<1
JULY 7-14	--	--	--	--	--	--	--	--	--
JULY 14-21	--	--	--	--	--	--	--	--	--
JULY 21-28	<1	<1	<.10	<1	10	<10	<1	<1	<1
JULY 28-AUG 4	<1	1	<.10	<1	<10	<10	<1	<1	<1
AUG 4-11	--	--	--	--	--	--	--	--	--
AUG 11-18	--	--	--	--	--	--	--	--	--
AUG 18-25	--	--	--	--	--	--	--	--	--
AUG 25-SEPT 2	--	--	--	--	--	--	--	--	--
SEPT 2-8	--	--	--	--	--	--	--	--	--
SEPT 8-15	<1	<1	.50	<1	20	--	--	--	--
SEPT 15-22	--	--	--	--	--	--	--	--	--
SEPT 22-29	<1	<1	<.10	<1	20	<10	<1	<1	<1
SEPT 29-OCT 6	--	--	--	--	--	--	--	--	--
OCT 6-14	--	--	--	--	--	--	--	--	--
OCT 14-20	<1	<1	<.10	<1	10	<10	<1	<1	<1
OCT 20-27	<1	<1	<.10	<1	20	<10	<1	<1	<1
OCT 27-NOV 3	<1	<1	<.10	<1	40	<10	<1	<1	<1
NOV 3-10	--	--	--	--	--	--	--	--	--
NOV 10-17	<1	<1	<.10	<1	20	<10	<1	<1	<1
NOV 17-24	<1	<1	<.10	<1	<10	<10	<1	<1	<1
NOV 24-DEC 1	<1	<1	<.10	<1	20	<10	<1	<1	<1
DEC 1-8	--	--	--	--	--	--	--	--	--
DEC 8-15	<1	<1	<.10	<1	20	<10	<1	<1	<1
DEC 15-22	<1	<1	<.10	<1	30	<10	<1	<1	<1
DEC 22-29	<1	<1	<.10	<1	10	<10	<1	<1	<1
DEC 29, 1997- JAN 5, 1998	--	--	--	--	--	--	--	--	--
JAN 5-12	<1	<1	<.10	<1	<10	<10	<1	<1	<1
JAN 12-20	--	--	--	--	--	--	--	--	--
JAN 20-26	--	--	--	--	--	--	--	--	--
JAN 26-FEB 2	<1	<1	<.10	<1	<10	<10	<1	<1	<1
FEB 2-9	<1	<1	<.10	<1	<10	<10	<1	<1	<1
FEB 9-16	<1	<1	<.10	<1	<10	<10	<1	<1	<1
FEB 16-23	<1	<1	<.10	<1	20	<10	<1	<1	<1
FEB 23-MAR 2	<1	<1	<.10	<1	10	--	--	--	--
MAR 2-9	<1	<1	<.10	<1	10	<10	<1	<1	<1
MAR 9-16	--	--	--	--	--	--	--	--	--
MAR 16-23	<1	<1	<.10	<1	<10	<10	<1	<1	<1
MAR 23-30	--	--	--	--	--	--	--	--	--

Table 60. Atmospheric deposition water-quality data at site 42 (CSW04), March 1997 through March 1998

DATE	RAINFALL,		SPECIFIC	PH WATER	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE, DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, NO2+NO3, TOTAL (MG/L AS N) (00630)	NITROGEN, AMMON ⁴ , TOTAL (MG/L AS N) (00610)
	RAINFALL (IN./WK) (00045)	TOTAL (IN./WK) (00046)	CONDUCTANCE LAB (US/CM) (90095)	RAW LAB (STANDARD UNITS) (00403)				
MAR 25-31, 1997	0.91	0.97	27	4.6	<2.0	2.5	0.370	0.260
MAR 31-APR 7	.20	.23	27	4.4	<2.0	--	--	--
APR 7-14	.80	.76	6	5.2	<2.0	<1.0	.070	.060
APR 14-21	.00	.00	--	--	--	--	--	--
APR 21-28	2.85	2.94	16	4.7	<2.0	<1.0	.250	.170
APR 28-MAY 5	1.44	1.51	16	4.8	<2.0	<1.0	.240	.230
MAY 5-12	.37	.33	77	4.0	<2.0	6.5	--	--
MAY 12-19	.02	.00	--	--	--	--	--	--
MAY 19-27	.18	.18	31	4.0	--	--	--	--
MAY 27-JUNE 2	.00	.00	--	--	--	--	--	--
JUNE 2-9	1.02	1.04	10	4.7	<2.0	<1.0	.160	.070
JUNE 9-16	2.35	2.27	24	4.6	<2.0	2.0	.330	.150
JUNE 16-23	.02	.10	62	3.8	<2.0	4.3	--	--
JUNE 23-30	.98	1.70	18	4.5	<2.0	1.5	.240	.090
JUNE 30-JULY 7	1.80	2.04	24	4.4	<2.0	2.0	.310	.190
JULY 7-14	.01	.02	--	3.9	--	--	--	--
JULY 14-21	.09	.15	93	3.7	<2.0	10	--	--
JULY 21-28	6.83	7.54	7	5.1	<2.0	<1.0	.080	<.015
JULY 28-AUG 4	.66	1.12	43	4.1	<2.0	4.0	.650	.250
AUG 4-11	.37	.58	85	3.8	<2.0	9.0	.630	.340
AUG 11-18	.00	.00	--	--	--	--	--	--
AUG 18-25	.00	.00	--	--	--	--	--	--
AUG 25-SEPT 2	.75	.16	101	3.7	<2.0	8.5	--	--
SEPT 2-8	.00	.00	--	--	--	--	--	--
SEPT 8-15	.57	.68	38	4.1	<2.0	3.0	.470	.180
SEPT 15-22	.03	.02	--	4.2	--	--	--	--
SEPT 22-29	2.22	2.44	31	4.3	<2.0	1.8	.390	.090
SEPT 29-OCT 6	.00	.00	--	--	--	--	--	--
OCT 6-14	.00	.00	--	--	--	--	--	--
OCT 14-20	2.49	2.50	10	4.8	<2.0	<1.0	.110	.040
OCT 20-27	1.75	1.86	9	4.9	<2.0	<1.0	.080	.050
OCT 27-NOV 3	.84	.93	13	4.7	<2.0	<1.0	.160	.060
NOV 3-10	.01	.01	--	--	--	--	--	--
NOV 10-17	1.12	1.27	16	4.6	<2.0	1.2	.160	.070
NOV 17-24	1.25	1.34	20	--	<2.0	2.0	.250	.130
NOV 24-DEC 1	.81	.98	12	4.8	<2.0	<1.0	.130	.070
DEC 1-8	.03	.04	--	3.8	3.9	--	--	--
DEC 8-15	.71	.73	15	4.8	<2.0	1.5	.150	.040
DEC 15-22	.98	1.14	24	4.4	<2.0	1.7	.270	.040
DEC 22-29	2.03	2.07	14	5.4	<2.0	<1.0	.150	.150
DEC 29, 1997- JAN 5, 1998	.00	.00	--	--	--	--	--	--
JAN 5-12	1.21	1.11	10	5.1	<2.0	<1.0	.080	.070
JAN 12-20	2.20	2.58	16	4.6	<2.0	<1.0	.180	.060
JAN 20-26	.80	.97	25	4.6	<2.0	<1.0	.300	.080
JAN 26-FEB 2	1.42	1.69	15	4.7	<2.0	<1.0	.120	.050
FEB 2-9	1.47	1.66	12	4.6	<2.0	<1.0	.140	.031
FEB 9-16	.20	.40	25	4.7	<2.0	1.8	--	--
FEB 16-23	1.99	1.98	7	5.5	<2.0	<1.0	.100	.110
FEB 23-MAR 2	.22	.20	25	4.7	<2.0	1.5	--	--
MAR 2-9	2.09	2.14	10	4.9	<2.0	<1.0	.170	.140
MAR 9-16	.00	.03	--	4.2	<2.0	--	--	--
MAR 16-23	.98	1.86	16	4.5	<2.0	<1.0	.170	<.015
MAR 23-30	.04	.03	--	3.8	--	--	--	--

Table 60. Atmospheric deposition water-quality data at site 42 (CSW04), March 1997 through March 1998—Continued

DATE	NITROGEN, ORGANIC, AMMONIA +		NITROGEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC, TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFIL- TERED, TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOVER- ABLE (UG/L AS CR) (01034)
	NITROGEN, TOTAL (MG/L AS N) (00605)	ORGANIC, TOTAL (MG/L AS N) (00625)						
MAR 25-31, 1997	0.27	0.53	0.90	<0.010	<0.010	<1	<1	?
MAR 31-APR 7	--	--	--	--	--	<1	<1	<1
APR 7-14	<.09	<.15	.07	<.010	<.010	<1	<1	<1
APR 14-21	--	--	--	--	--	--	--	--
APR 21-28	.26	.43	.68	.010	<.010	<1	<1	1
APR 28-MAY 5	.12	.35	.59	<.010	<.010	<1	<1	<1
MAY 5-12	--	--	--	--	--	<1	<1	<1
MAY 12-19	--	--	--	--	--	--	--	--
MAY 19-27	--	--	--	--	--	<1	<1	<1
MAY 27-JUNE 2	--	--	--	--	--	--	--	--
JUNE 2-9	.18	.25	.41	.021	<.010	<1	<1	<1
JUNE 9-16	.31	.46	.79	.013	<.010	<1	<1	<1
JUNE 16-23	--	--	--	--	--	--	--	--
JUNE 23-30	.37	.46	.70	<.010	<.010	<1	<1	1
JUNE 30-JULY 7	.20	.39	.70	<.010	<.010	1	<1	<1
JULY 7-14	--	--	--	--	--	--	--	--
JULY 14-21	--	--	--	--	--	--	--	--
JULY 21-28	<.14	<.15	.08	<.010	<.010	<1	<1	<1
JULY 28-AUG 4	.10	.35	1.0	<.010	<.010	<1	<1	<1
AUG 4-11	.46	.80	1.4	.017	<.100	<1	<1	<1
AUG 11-18	--	--	--	--	--	--	--	--
AUG 18-25	--	--	--	--	--	--	--	--
AUG 25-SEPT 2	--	--	--	--	--	--	--	--
SEPT 2-8	--	--	--	--	--	--	--	--
SEPT 8-15	.47	.65	1.1	<.010	<.010	<1	<1	<1
SEPT 15-22	--	--	--	--	--	--	--	--
SEPT 22-29	.26	.35	.74	<.010	<.010	<1	<1	<1
SEPT 29-OCT 6	--	--	--	--	--	--	--	--
OCT 6-14	--	--	--	--	--	--	--	--
OCT 14-20	<.11	<.15	.11	.090	<.010	<1	<1	<1
OCT 20-27	<.10	<.15	.08	<.010	<.010	<1	<1	<1
OCT 27-NOV 3	.19	.25	.41	<.010	<.010	<1	<1	<1
NOV 3-10	--	--	--	--	--	--	--	--
NOV 10-17	.15	.22	.38	<.010	<.010	<1	<1	<1
NOV 17-24	.10	.23	.48	<.010	--	<1	<1	<1
NOV 24-DEC 1	<.08	<.15	.13	--	<.010	<1	<1	<1
DEC 1-8	--	--	--	--	--	--	--	--
DEC 8-15	<.11	<.15	.15	.025	<.010	<1	<1	<1
DEC 15-22	.13	.17	.44	.025	<.010	<1	<1	<1
DEC 22-29	.11	.26	.41	<.010	<.010	<1	<1	<1
DEC 29, 1997- JAN 5, 1998	--	--	--	--	--	--	--	--
JAN 5-12	.16	.23	.31	<.010	<.010	<1	<1	<1
JAN 12-20	.13	.19	.37	<.010	<.010	<1	<1	<1
JAN 20-26	.23	.31	.61	<.010	<.010	<1	<1	<1
JAN 26-FEB 2	<.10	<.15	.12	<.010	<.010	<1	<1	<1
FEB 2-9	.16	.19	.33	<.010	<.010	<1	<1	<1
FEB 9-16	--	--	--	--	--	<1	<1	<1
FEB 16-23	.43	.54	.64	<.010	<.010	<1	<1	<1
FEB 23-MAR 2	--	--	--	--	--	--	--	--
MAR 2-9	.11	.25	.42	<.010	<.010	<1	<1	<1
MAR 9-16	--	--	--	--	--	--	--	--
MAR 16-23	.36	.36	.53	<.010	<.010	<1	<1	<1
MAR 23-30	--	--	--	--	--	--	--	--

Table 60. Atmospheric deposition water-quality data at site 42 (CSW04), March 1997 through March 1998—Continued

DATE	COPPER,	LEAD,	MERCURY,	NICKEL,	ZINC,	BERYL-	ANTIMONY,	SELENIUM,	SILVER,
	TOTAL,	TOTAL,	TOTAL,	TOTAL,	TOTAL,	LIUM,			TOTAL,
	RECOVER-	RECOVER-	RECOVER-	RECOVER-	RECOVER-	RECOVER-	TOTAL	TOTAL	RECOVER-
	ABLE	ABLE	ABLE	ABLE	ABLE	ABLE	(UG/L	(UG/L	ABLE
	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	AS SB)	AS SE)	(UG/L AS
	AS CU)	AS PB)	AS HG)	AS NI)	AS ZN)	AS BE)	AS SB)	AS SE)	AG)
	(01042)	(01051)	(71900)	(01067)	(01092)	(01012)	(01097)	(01147)	(01077)
MAR 25-31, 1997	6	<1	<0.10	<1	20	<10	<1	<1	<1
MAR 31-APR 7	<1	<1	<10	<1	10	--	--	--	--
APR 7-14	<1	<1	<10	<1	<10	<10	<1	<1	<1
APR 14-21	--	--	--	--	--	--	--	--	--
APR 21-28	<1	<1	<10	<1	<10	<10	<1	<1	<1
APR 28-MAY 5	<1	<1	<10	<1	<10	<10	<1	<1	<1
MAY 5-12	<1	1	<10	<1	<10	<10	<1	<1	<1
MAY 12-19	--	--	--	--	--	--	--	--	--
MAY 19-27	<1	<1	.10	<1	<10	--	--	--	--
MAY 27-JUNE 2	--	--	--	--	--	--	--	--	--
JUNE 2-9	1	<1	<10	<1	<10	<10	<1	<1	<1
JUNE 9-16	<1	<1	<10	<1	<10	<10	<1	<1	<1
JUNE 16-23	--	--	--	--	--	--	--	--	--
JUNE 23-30	<1	<1	<10	<1	<10	<10	<1	<1	<1
JUNE 30-JULY 7	<1	<1	<10	<1	<10	<10	<1	<1	<1
JULY 7-14	--	--	--	--	--	--	--	--	--
JULY 14-21	--	--	--	--	--	--	--	--	--
JULY 21-28	<1	<1	<10	<1	<10	<10	<1	<1	<1
JULY 28-AUG 4	<1	<1	<10	<1	<10	<10	<1	<1	<1
AUG 4-11	1	<1	<10	<1	<10	<10	<1	<1	<1
AUG 11-18	--	--	--	--	--	--	--	--	--
AUG 18-25	--	--	--	--	--	--	--	--	--
AUG 25-SEPT 2	--	--	--	--	--	--	--	--	--
SEPT 2-8	--	--	--	--	--	--	--	--	--
SEPT 8-15	<1	<1	<10	<1	20	<10	<1	<1	<1
SEPT 15-22	--	--	--	--	--	--	--	--	--
SEPT 22-29	<1	<1	<10	<1	20	<10	<1	<1	<1
SEPT 29-OCT 6	--	--	--	--	--	--	--	--	--
OCT 6-14	--	--	--	--	--	--	--	--	--
OCT 14-20	<1	<1	<10	<1	10	<10	<1	<1	<1
OCT 20-27	<1	<1	<10	<1	20	<10	<1	<1	<1
OCT 27-NOV 3	<1	<1	<10	<1	10	<10	<1	<1	<1
NOV 3-10	--	--	--	--	--	--	--	--	--
NOV 10-17	<1	<1	<10	<1	30	<10	<1	<1	<1
NOV 17-24	<1	<1	<10	<1	<10	<10	<1	<1	<1
NOV 24-DEC 1	<1	<1	<10	<1	<10	<10	<1	<1	<1
DEC 1-8	--	--	--	--	--	--	--	--	--
DEC 8-15	<1	<1	<10	<1	30	<10	<1	<1	<1
DEC 15-22	<1	<1	<10	<1	10	<10	<1	<1	<1
DEC 22-29	<1	<1	<10	<1	<10	<10	<1	<1	<1
DEC 29, 1997-	--	--	--	--	--	--	--	--	--
JAN 5, 1998									
JAN 5-12	<1	<1	--	<1	<10	<10	--	--	<1
JAN 12-20	<1	<1	<10	<1	<10	<10	<1	<1	<1
JAN 20-26	<1	<1	<10	<1	<10	<10	<1	<1	<1
JAN 26-FEB 2	<1	<1	<10	<1	<10	<10	<1	<1	<1
FEB 2-9	<1	<1	<10	<1	<10	<10	<1	<1	<1
FEB 9-16	<1	<1	<10	<1	<10	<10	<1	<1	<1
FEB 16-23	<1	<1	<10	<1	10	<10	<1	<1	<1
FEB 23-MAR 2	--	--	--	--	--	--	--	--	--
MAR 2-9	<1	<1	<10	<1	20	<10	<1	<1	<1
MAR 9-16	--	--	--	--	--	--	--	--	--
MAR 16-23	<1	<1	<10	<1	20	<10	<1	<1	<1
MAR 23-30	--	--	--	--	--	--	--	--	--

Table 61. Atmospheric deposition water-quality data at site 43 (CSW07), March 1997 through March 1998

DATE	RAINFALL,		SPECIFIC	PH WATER	CHLORIDE,	SULFATE,	NITROGEN,	NITROGEN,
	RAINFALL (IN./WK) (00045)	TOTAL (IN./WK) (00046)	CONDUCTANCE LAB (US/CM) (90095)	RAW LAB (STANDARD UNITS) (00403)	DISSOLVED (MG/L AS CL) (00940)	DISSOLVED (MG/L AS SO4) (00945)	TOTAL (MG/L AS N) (00630)	AMMONIA, TOTAL (MG/L AS N) (00610)
MAR 24-31, 1997	0.55	0.70	22	4.8	<2.0	1.5	0.390	.120
MAR 31-APR 7	.04	.07	39	4.3	--	--	--	--
APR 7-14	.67	.70	7	5.4	<2.0	<1.0	.070	.060
APR 14-21	.00	.02	--	3.8	--	--	--	--
APR 21-28	3.18	3.14	13	4.7	<2.0	<1.0	.200	.140
APR 28-MAY 5	1.91	1.94	14	4.8	<2.0	<1.0	.210	.190
MAY 5-12	.31	.36	70	4.1	<2.0	6.4	--	--
MAY 12-19	.00	.00	--	--	--	--	--	--
MAY 19-27	.17	.25	34	4.0	--	--	--	--
MAY 27-JUNE 2	.00	.00	--	--	--	--	--	--
JUNE 2-9	.71	.75	4	5.2	<2.0	<1.0	.070	<.015
JUNE 9-16	2.89	2.89	17	4.8	<2.0	<1.0	.240	.150
JUNE 16-23	.00	.02	--	3.9	--	--	--	--
JUNE 23-30	.61	.65	22	--	<2.0	2.8	--	--
JUNE 30-JUL Y7	.03	.07	32	4.2	--	--	--	--
JULY 7-14	.00	.00	--	--	--	--	--	--
JULY 14-21	.34	.37	52	4.0	<2.0	6.5	--	--
JULY 21-28	4.26	4.12	8	5.1	<2.0	<1.0	<.070	<.015
JULY 28-AUG 4	.50	.50	27	5.2	<2.0	5.5	.830	.390
AUG 4-11	.12	.16	74	4.3	<2.0	2.0	--	--
AUG 11-18	.00	.00	--	--	--	--	--	--
AUG 18-25	.00	.04	--	4.2	<2.0	--	--	--
AUG 25-SEPT 2	.28	.31	54	4.0	<2.0	7.0	--	--
SEPT 2-8	.00	.00	--	--	--	--	--	--
SEPT 8-15	.44	.48	41	4.1	<2.0	2.0	.480	.160
SEPT 15-22	.02	.05	--	--	3.1	--	--	--
SEPT 22-29	2.39	2.26	31	4.3	<2.0	2.2	.450	.210
SEPT 29-OCT 6	.00	.00	--	--	--	--	--	--
OCT 6-14	.00	.00	--	--	--	--	--	--
OCT 14-20	2.51	2.37	6	5.3	<2.0	<1.0	.090	<.015
OCT 20-27	2.04	1.98	7	5.1	<2.0	<1.0	.050	<.015
OCT 27-NOV 3	.92	.93	14	4.7	<2.0	1.2	.180	.060
NOV 3-10	.00	.00	--	--	--	--	--	--
NOV 10-17	1.40	1.34	14	4.8	<2.0	<1.0	.150	.040
NOV 17-24	1.36	1.32	19	4.6	<2.0	1.8	.210	.120
NOV 24-DEC 1	.77	.75	13	4.8	<2.0	1.0	.120	.050
DEC 1-8	.04	.06	--	4.0	<2.0	--	--	--
DEC 8-15	.69	.66	16	4.6	<2.0	2.0	.170	.040
DEC 15-22	1.09	1.07	22	4.4	<2.0	1.2	.250	.060
DEC 22-29	2.22	2.08	12	4.7	<2.0	<1.0	.130	.120
DEC 29, 1997- JAN 5, 1998	.00	.02	--	--	--	--	--	--
JAN 5-12	.99	.95	7	5.1	<2.0	<1.0	.080	.070
JAN 12-20	2.38	2.45	15	4.6	<2.0	<1.0	.160	.060
JAN 20-26	.80	.78	30	4.4	<2.0	<1.0	.370	.100
JAN 26-FEB 2	1.70	1.65	13	4.7	<2.0	<1.0	.090	.050
FEB 2-9	1.67	1.58	19	4.5	<2.0	<1.0	.220	.070
FEB 9-16	.22	.29	27	4.8	<2.0	1.3	.370	.190
FEB 16-23	2.09	2.00	6	5.1	<2.0	<1.0	.100	.110
FEB 23-MAR 2	.23	.24	18	4.6	<2.0	1.5	--	--
MAR 2-9	2.02	1.97	9	4.9	<2.0	<1.0	.180	.170
MAR 9-16	.00	.04	--	--	<2.0	--	--	--
MAR 16-23	1.47	1.50	13	5.2	<2.0	1.5	.150	.150
MAR 23-30	.11	.11	31	4.1	<2.0	--	--	--

Table 61. Atmospheric deposition water-quality data at site 43 (CSW07), March 1997 through March 1998—Continued

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC, TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFIL- TERED, TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOVER- ABLE (UG" AS CR) (01034)
MAR 24-31, 1997	0.52	0.64	1.0	0.080	0.019	<1	<1	1
MAR 31-APR 7	--	--	--	--	--	--	--	--
APR 7-14	<.09	<.15	.07	<.010	<.010	<1	<1	<1
APR 14-21	--	--	--	--	--	--	--	--
APR 21-28	.13	.27	.47	<.010	<.010	<1	<1	1
APR 28-MAY 5	.31	.50	.71	<.010	<.010	<1	<1	<1
MAY 5-12	--	--	--	--	--	<1	<1	<1
MAY 12-19	--	--	--	--	--	--	--	--
MAY 19-27	--	--	--	--	--	<1	<1	<1
MAY 27-JUNE 2	--	--	--	--	--	--	--	--
JUNE 2-9	.14	.14	.21	<.010	<.010	<1	<1	<1
JUNE 9-16	.22	.37	.61	<.010	<.010	<1	<1	<1
JUNE 16-23	--	--	--	--	--	--	--	--
JUNE 23-30	--	--	--	--	--	<1	<1	1
JUNE 30-JULY 7	--	--	--	--	--	--	--	--
JULY 7-14	--	--	--	--	--	--	--	--
JULY 14-21	--	--	--	--	--	--	--	--
JULY 21-28	<.14	<.15	<.22	<.010	<.010	<1	<1	<1
JULY 28-AUG 4	.32	.71	1.5	<.010	<.010	<1	<1	<1
AUG 4-11	--	--	--	--	--	--	--	--
AUG 11-18	--	--	--	--	--	--	--	--
AUG 18-25	--	--	--	--	--	--	--	--
AUG 25-SEPT 2	--	--	--	--	--	<1	<1	<1
SEPT 2-8	--	--	--	--	--	--	--	--
SEPT 8-15	.48	.64	1.1	<.010	<.010	<1	<1	<1
SEPT 15-22	--	--	--	--	--	--	--	--
SEPT 22-29	.67	.88	1.3	.039	.039	16	<1	<1
SEPT 29-OCT 6	--	--	--	--	--	--	--	--
OCT 6-14	--	--	--	--	--	--	--	--
OCT 14-20	<.14	<.15	.09	.090	<.010	<1	<1	<1
OCT 20-27	.21	.21	.26	<.010	<.010	<1	<1	<1
OCT 27-NOV 3	.18	.24	.42	<.010	<.010	<1	<1	<1
NOV 3-10	--	--	--	--	--	--	--	--
NOV 10-17	.11	.15	.30	--	<.010	<1	<1	<1
NOV 17-24	.12	.24	.45	<.010	<.010	<1	<1	<1
NOV 24-DEC 1	.14	.20	.32	<.010	<.010	<1	<1	<1
DEC 1-8	--	--	--	--	--	--	--	--
DEC 8-15	.14	.18	.35	<.010	<.010	<1	<1	<1
DEC 15-22	.13	.19	.44	<.010	<.010	<1	<1	<1
DEC 22-29	.11	.23	.36	.015	<.010	<1	<1	<1
DEC 29, 1997- JAN 5, 1998	--	--	--	--	--	--	--	--
JAN 5-12	.14	.21	.29	<.010	<.010	<1	<1	<1
JAN 12-20	.13	.19	.35	<.010	<.010	<1	<1	<1
JAN 20-26	.18	.28	.65	<.010	<.010	<1	<1	<1
JAN 26-FEB 2	<.10	<.15	.09	<.010	<.010	<1	<1	<1
FEB 2-9	.12	.19	.41	<.010	<.010	<1	<1	<1
FEB 9-16	.11	.30	.67	.016	<.010	--	--	--
FEB 16-23	.16	.27	.37	<.010	<.010	<1	<1	<1
FEB 23-MAR 2	--	--	--	--	--	--	--	--
MAR 2-9	.03	.20	.38	<.010	<.010	<1	<1	<1
MAR 9-16	--	--	--	--	--	--	--	--
MAR 16-23	2.0	2.2	2.3	.190	.210	<1	<1	<1
MAR 23-30	--	--	--	--	--	--	--	--

Table 61. Atmospheric deposition water-quality data at site 43 (CSW07), March 1997 through March 1998—Continued

DATE	COPPER, TOTAL RECOVER- ABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVER- ABLE (UG/L AS PB) (01051)	MERCURY, TOTAL RECOVER- ABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVER- ABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVER- ABLE (UG/L AS ZN) (01092)	BERYL- LIUM, TOTAL RECOVER- ABLE (UG/L AS BE) (01012)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVER- ABLE (UG/L AS AG) (01077)
MAR 24-31, 1997	3	<1	<0.10	<1	20	<10	<1	<1	<1
MAR 31-APR 7	--	--	--	--	--	--	--	--	--
APR 7-14	<1	<1	<.10	<1	<10	<10	<1	<1	<1
APR 14-21	--	--	--	--	--	--	--	--	--
APR 21-28	<1	<1	<.10	<1	<10	<10	<1	<1	<1
APR 28-MAY 5	<1	1	<.10	<1	<10	<10	<1	<1	<1
MAY 5-12	1	2	<.10	<1	<10	<10	<1	<1	<1
MAY 12-19	--	--	--	--	--	--	--	--	--
MAY 19-27	1	2	<.10	<1	<10	--	--	--	--
MAY 27-JUNE 2	--	--	--	--	--	--	--	--	--
JUNE 2-9	<1	<1	<.10	<1	10	<10	<1	<1	<1
JUNE 9-16	<1	<1	<.10	<1	<10	<10	<1	<1	<1
JUNE 16-23	--	--	--	--	--	--	--	--	--
JUNE 23-30	<1	<1	<.10	<1	<10	<10	<1	<1	<1
JUNE 30-JULY 7	--	--	--	--	--	--	--	--	--
JULY 7-14	--	--	--	--	--	--	--	--	--
JULY 14-21	--	--	--	--	--	--	--	--	--
JULY 21-28	<1	<1	<.10	<1	<10	<10	<1	<1	<1
JULY 28-AUG 4	<1	2	<.10	<1	100	<10	<1	<1	<1
AUG 4-11	--	--	--	--	--	--	--	--	--
AUG 11-18	--	--	--	--	--	--	--	--	--
AUG 18-25	--	--	--	--	--	--	--	--	--
AUG 25-SEPT 2	<1	<1	<.10	<1	10	--	--	--	--
SEPT 2-8	--	--	--	--	--	--	--	--	--
SEPT 8-15	<1	<1	<.10	<1	20	<10	<1	<1	<1
SEPT 15-22	--	--	--	--	--	--	--	--	--
SEPT 22-29	<1	<1	<.10	<1	<10	<10	<1	<1	<1
SEPT 29-OCT 6	--	--	--	--	--	--	--	--	--
OCT 6-14	--	--	--	--	--	--	--	--	--
OCT 14-20	<1	<1	<.10	<1	<10	<10	<1	<1	<1
OCT 20-27	<1	<1	<.10	<1	10	<10	<1	<1	<1
OCT 27-NOV 3	<1	<1	<.10	<1	20	<10	<1	<1	<1
NOV 3-10	--	--	--	--	--	--	--	--	--
NOV 10-17	<1	<1	<.10	<1	30	<10	<1	<1	<1
NOV 17-24	<1	<1	<.10	<1	10	<10	<1	<1	<1
NOV 24-DEC 1	<1	<1	<.10	<1	<10	<10	<1	<1	<1
DEC 1-8	--	--	--	--	--	--	--	--	--
DEC 8-15	<1	<1	<.10	<1	20	<10	<1	<1	<1
DEC 15-22	<1	<1	<.10	<1	<10	<10	<1	<1	<1
DEC 22-29	<1	<1	<.10	<1	10	<10	<1	<1	<1
DEC 29, 1997- JAN 5, 1998	--	--	--	--	--	--	--	--	--
JAN 5-12	<1	<1	<.10	<1	<10	<10	<1	<1	<1
JAN 12-20	<1	<1	<.10	<1	<10	<10	<1	<1	<1
JAN 20-26	<1	<1	<.10	<1	<10	<10	<1	<1	<1
JAN 26-FEB 2	<1	<1	<.10	<1	<10	<10	<1	<1	<1
FEB 2-9	<1	<1	<.10	<1	10	<10	<1	<1	<1
FEB 9-16	--	--	--	--	--	--	--	--	--
FEB 16-23	<1	<1	<.10	<1	10	<10	<1	<1	<1
FEB 23-MAR 2	--	--	--	--	--	--	--	--	--
MAR 2-9	<1	<1	<.10	<1	10	<10	<1	<1	<1
MAR 9-16	--	--	--	--	--	--	--	--	--
MAR 16-23	<1	<1	<.10	<1	<10	<10	<1	<1	<1
MAR 23-30	--	--	--	--	--	--	--	--	--

Table 62. Streamflow statistics at the streamflow and water-quality study sites, December 1993 through September 1998
 [mi², square mile; ft³/s, cubic foot per second]

Site no. (fig. 1)	Drainage area (mi ²)	Period of record	Daily mean discharge for period of record (ft ³ /s)	Maximum instantaneous discharge recorded (ft ³ /s)	Minimum instantaneous discharge recorded (ft ³ /s) and number of days of occurrence
37 (CSW06)	0.063	4/95–9/98	0.088	Not determined	0 (482 days during period of record; 38% of days during period of record)
39 (CSW05)	.022	3/94–9/98	0.037	27 (5/29/96) (7/23/97)	0 (192 days during period of record; 14% of days during period of record)
40 (CSW03)	.023	7/94–9/98	0.009	≥27 ^a (8/27/95)	0 (1380 days during period of record; 89% of days during period of record)
41 (CSW02)	.123	12/93–9/98	0.17	334 (8/27/95)	0.010 (7 days during period of record; <1% of days during period of record)
42 (CSW04)	.126	12/93–9/98	0.32	305 (7/23/97)	0 (12 days during period of record; 1% of days during period of record)
43 (CSW07)	.266	6/94–9/98	0.46	371 (7/3/95)	0 (18 days during period of record; 1% of days during period of record)

^aInstantaneous discharge during storm of July 23, 1997, may have exceeded 27 ft³/s.

Table 63. Daily mean discharge values, in cubic feet per second, at site 37 (CSW06), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.13	0.009	0.000	0.000	0.39	0.26	0.020	0.015	0.017	0.010	0.12	0.000	0.000	0.006	0.000
2	.013	.003	.000	.000	.12	.018	.016	.013	.015	.007	.016	.000	.000	.000	.000
3	.007	.000	.000	.000	.013	.012	.015	.015	.013	.030	.011	.000	.000	.000	1.0
4	.001	.000	.000	.000	.010	.015	.012	.039	.015	.016	.007	.020	.000	.000	.52
5	.000	.000	.000	.000	.007	.014	.012	.013	.021	.024	.003	.018	.000	.000	.013
6	.000	.000	.040	.000	.007	.014	.041	.026	.020	.021	.000	.017	.000	.000	.002
7	.000	.000	.006	.000	.007	.014	.020	.020	.015	.008	.057	.009	.000	.047	.000
8	.000	.000	.000	.000	.006	.014	.096	.016	1.3	.006	.11	.005	.000	.013	.000
9	.000	.000	.000	.000	.004	.059	.026	.015	.24	3.4	.014	.000	.000	.15	.000
10	.000	.000	.000	.000	.001	.39	.018	.014	.027	.021	.012	.049	.000	.040	.000
11	.000	.000	.000	.000	.000	.023	.015	.024	.023	.014	.12	.012	.000	.006	.000
12	.000	.000	.000	.000	.029	.015	.012	.030	.024	.012	.006	.004	.000	.002	.000
13	.000	.000	.000	.000	.33	.014	.013	.016	.017	.009	.000	.000	.000	.000	.000
14	.000	.000	.000	.000	.30	.012	.013	.016	.020	.016	.000	.000	.000	.000	.000
15	.000	.000	.000	.016	.017	.011	.046	.014	.023	.008	.000	.000	.000	.10	.000
16	.000	.000	.000	.005	.012	.011	.097	.27	.024	.006	.000	.012	.000	.16	.000
17	.000	.000	.000	.000	.010	.011	.055	.80	.026	.052	.000	.003	.056	.046	.000
18	.000	.000	.000	.038	.010	.011	.023	.049	.23	.22	.000	.000	.012	.004	.000
19	.000	.000	.000	.64	.009	.011	.39	.019	.36	.29	.000	.000	.000	.001	.000
20	.000	.000	.000	.015	.006	.017	.030	.016	.027	.038	.000	.000	e1.6	.000	.000
21	.000	.000	.000	.010	.096	.018	.020	.014	.022	.013	.000	.017	.13	.000	.059
22	e.40	.000	.000	.031	.17	.66	.12	.015	.018	.021	.000	.009	.009	.000	.041
23	e8.0	.000	.000	.011	.020	.030	.42	.28	.015	.15	.000	.011	.008	.000	.005
24	e.20	.000	.000	.011	.014	.88	.13	.021	.013	.014	.000	.001	.085	.000	.000
25	.017	.000	.12	.013	.014	.098	.029	.019	.010	.006	.000	.000	.013	.000	.000
26	.009	.000	.011	1.3	.015	.027	.020	.018	.012	.002	.000	.000	.001	.000	.000
27	.005	.000	.004	.041	.015	.30	1.2	.12	.008	.060	.000	.000	e5.0	.000	.000
28	.001	.000	.020	.014	.014	.036	.094	.021	.007	.015	.000	.000	.020	.000	.000
29	.000	.000	.017	.010	.012	.12	.026	---	.007	.005	.000	.000	.007	.000	.000
30	.017	.000	.007	.008	.21	.11	.019	---	.006	.35	.000	.000	.002	.000	.010
31	.035	.000	---	.004	---	.025	.016	---	.007	---	.000	---	.057	.000	---
TOTAL	8.835	0.012	0.725	2.317	2.732	3.250	5.764	3.071	2.717	5.726	0.476	0.970	7.000	0.998	1.650
MEAN	.28	.000	.024	.075	.091	.10	.19	.11	.088	.19	.015	.032	.23	.032	.055
MAX	8.0	.009	.32	1.3	.96	.88	1.2	.80	1.3	3.4	1.2	.49	5.0	.47	1.0
MIN	.000	.000	.000	.000	.000	.011	.012	.013	.006	.002	.000	.000	.000	.000	.000
CFSM	4.52	.01	.38	1.19	1.45	1.66	2.95	1.74	1.39	3.03	.24	.51	3.58	.51	.87
IN.	5.22	.01	.43	1.37	1.61	1.92	3.40	1.81	1.60	3.38	.28	.57	4.13	.59	.97

e Estimated

Table 64. Daily mean discharge values, in cubic feet per second, at site 39 (CSW05), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.019	0.005	0.003	0.005	0.13	0.12	0.006	0.008	0.006	0.056	0.032	e+0.005	0.009	0.005	0.003
2	.005	.005	.001	.005	.035	.005	.005	.010	.006	.006	.004	e-.006	.006	.005	.004
3	.005	.004	.003	.005	.006	.005	.005	.37	.006	.16	.004	.005	.008	.000	.52
4	.004	.039	.003	.005	.007	.007	.005	.24	.006	.024	.004	.047	.008	.004	.21
5	.004	.002	.003	.005	.007	.005	.005	.056	.005	.006	.006	.095	.009	.004	.006
6	.004	.003	.003	.005	.007	.005	.14	.015	.005	.005	.006	.014	.003	.004	.008
7	.004	.003	.003	.005	.006	.005	.13	.010	.10	.005	.072	.006	.013	.11	.001
8	.003	.004	.003	.004	.007	.009	.24	.008	.53	.009	.008	.003	.012	.25	.007
9	.004	.004	.004	.005	.007	.014	.012	.007	.094	.55	.004	.006	.012	.010	.006
10	.004	.004	.024	.005	.003	.076	.007	.007	.012	.009	.024	.094	.010	.017	.005
11	.003	.003	.005	.005	.002	.005	.006	.025	.011	.006	.015	.010	.007	.006	.005
12	.003	.004	.004	.004	.035	.003	.006	.008	.010	.004	.004	.008	.006	.009	.005
13	.003	.004	.004	.004	.16	.003	.007	.007	.009	.004	.003	.008	.008	.006	.005
14	.003	.005	.004	.017	.10	.003	.006	.006	.007	.016	.003	.008	.016	.006	.000
15	.002	.006	.004	.004	.005	.003	.24	.006	.010	.004	.003	.007	.017	.13	.004
16	.007	.006	.001	.005	.004	.003	.50	.20	.008	.004	.003	.007	.020	.15	.004
17	.002	.004	.004	.005	.003	.003	.029	.43	.009	.18	.004	.007	.011	.010	.004
18	.002	.004	.005	.034	.004	.003	.017	.024	.16	.043	.003	.006	.005	.007	.005
19	.002	.001	.003	.42	.006	.003	.16	.009	.17	.13	.005	.025	.004	.006	.004
20	.029	.004	.003	.006	.004	.003	.015	.007	.031	.011	.004	.008	.17	.006	.005
21	.003	.004	.003	.005	.28	.005	.008	.006	.012	.006	.004	.008	.010	.006	.078
22	.041	.004	.003	.017	.048	.43	.071	.010	.007	.031	.004	.16	.005	.006	.006
23	2.2	.004	.003	.004	.005	.008	.16	.11	.006	.075	.004	.070	.015	.005	.005
24	.27	.004	.42	.008	.004	.32	.030	.008	.006	.005	.004	.019	.046	.000	.005
25	.007	.028	.040	.005	.004	.025	.010	.007	.006	.005	.004	.009	.074	.004	.006
26	.005	.005	.005	.48	.003	.007	.007	.006	.006	.004	.004	.008	.019	.004	.005
27	.006	.005	.007	.011	.003	.13	.61	.066	.006	.053	.046	.007	.31	.004	.005
28	.007	.018	.17	.004	.003	.009	.057	.007	.006	.005	.002	.007	.013	.005	.000
29	.008	.005	.007	.005	.008	.049	.015	---	.006	.004	.004	.093	.004	.008	.006
30	.11	.004	.003	.006	.14	.034	.010	---	.006	.10	e.010	.034	.005	.004	.032
31	.009	.004	---	.025	---	.008	.008	---	.005	---	e.004	---	.037	.000	---
TOTAL	2.778	0.199	0.748	1.122	1.036	1.308	2.527	1.673	1.267	1.520	0.301	0.790	0.892	0.791	0.959
MEAN	.090	.006	.025	.036	.035	.042	.082	.060	.041	.051	.010	.026	.029	.026	.032
MAX	2.2	.039	.42	.48	.28	.43	.61	.43	.53	.55	.072	.16	.31	.25	.52
MIN	.002	.001	.001	.004	.002	.003	.005	.006	.005	.004	.002	.003	.003	.000	.000
CFSM	4.07	.29	1.13	1.65	1.57	1.92	3.71	2.72	1.86	2.30	.44	1.20	1.31	1.16	1.45
IN.	4.70	.34	1.26	1.90	1.75	2.21	4.27	2.83	2.14	2.57	.51	1.34	1.51	1.34	1.62

e Estimated

Table 65. Daily mean discharge values, in cubic feet per second, at site 40 (CSW03), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.005	0.000	0.000	0.000	0.014	0.016	0.000	0.000	0.000	0.001	0.003	0.000	0.000	0.000	0.000
2	.002	.000	.000	.000	.004	.002	.000	.000	.000	.000	.000	.001	.000	.000	.000
3	.000	.000	.000	.000	.000	.001	.000	.072	.000	.14	.001	.000	.000	.000	.044
4	.000	.005	.000	.000	.000	.000	.000	.053	.000	.014	.000	.002	.000	.000	.045
5	.000	.001	.000	.000	.000	.000	.000	.009	.000	.002	.000	.015	.000	.000	.000
6	.000	.000	.000	.000	.000	.000	.015	.005	.000	.000	.000	.000	.000	.000	.000
7	.000	.000	.000	.000	.000	.000	.013	.004	.005	.000	.004	.000	.000	.001	.000
8	.000	.000	.000	.000	.000	.000	.068	.002	.10	.000	.067	.000	.000	.001	.000
9	.000	.000	.000	.000	.000	.001	.018	.001	.032	.71	.001	.000	.000	.003	.000
10	.000	.000	.009	.000	.000	.011	.003	.000	.006	.003	.000	.035	.000	.010	.000
11	.000	.000	.005	.000	.000	.010	.002	.002	.001	.000	.002	.000	.000	.000	.000
12	.000	.000	.000	.000	.002	.000	.006	.002	.000	.000	.000	.000	.000	.000	.000
13	.000	.000	.000	.000	.010	.000	.001	.000	.000	.000	.000	.000	.000	.000	.000
14	.000	.000	.000	.008	.010	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
15	.000	.000	.000	.000	.001	.000	.034	.000	.000	.000	.000	.000	.000	.000	.000
16	.000	.000	.000	.000	.000	.000	.18	.011	.001	.000	.000	.000	.000	.000	.000
17	.000	.000	.000	.000	.000	.000	.010	.21	.001	.029	.000	.000	.000	.000	.000
18	.000	.000	.000	.003	.000	.000	.005	.006	.021	.005	.000	.000	.000	.000	.000
19	.000	.000	.000	.043	.000	.000	.024	.003	.048	.017	.000	.000	.000	.000	.000
20	.000	.000	.000	.000	.000	.000	.008	.001	.010	.003	.000	.000	.002	.000	.000
21	.000	.000	.000	.001	.043	.000	.005	.000	.004	.001	.000	.000	.001	.000	.005
22	.008	.000	.000	.001	.013	.053	.012	.001	.001	.003	.000	.012	.000	.000	.001
23	e2.0	.000	.000	.000	.004	.000	.045	.012	.000	.027	.000	.020	.000	.000	.000
24	.36	.000	.027	.000	.001	.084	.008	.004	.000	.003	.000	.001	.000	.000	.000
25	.007	.000	.003	.000	.000	.005	.005	.001	.000	.000	.000	.000	.005	.000	.000
26	.005	.000	.000	.091	.000	.000	.003	.000	.000	.000	.000	.000	.000	.000	.000
27	.001	.010	.001	.014	.000	.009	.25	.004	.000	.002	.000	.000	.20	.000	.000
28	.000	.004	.029	.000	.000	.000	.014	.000	.000	.000	.000	.000	.000	.000	.000
29	.001	.002	.000	.000	.000	.002	.007	---	.000	.000	.000	.002	.000	.002	.002
30	.012	.000	.000	.000	.008	.000	.002	---	.000	.018	.020	.000	.000	.000	.004
31	.003	.000	---	.000	---	.000	.001	---	.000	---	.000	---	.000	.000	---
TOTAL	2.404	0.022	0.074	0.161	0.110	0.194	0.739	0.403	0.230	0.978	0.098	0.088	0.208	0.015	0.101
MEAN	.078	.001	.002	.005	.004	.006	.024	.014	.007	.033	.003	.003	.007	.000	.003
MAX	2.0	0.10	0.29	0.91	0.43	0.84	2.5	2.1	1.0	.71	.067	.035	2.0	0.10	0.45
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
CFSM	3.37	.03	.11	.23	.16	.27	1.04	.63	.32	1.42	.14	.13	.29	.02	.15
IN.	3.89	.04	.12	.26	.18	.31	1.20	.65	.37	1.58	.16	.14	.34	.02	.16

e Estimated

Table 66. Daily mean discharge values, in cubic feet per second, at site 41 (CSW02), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.48	0.026	0.018	0.020	0.40	0.32	0.033	0.043	0.038	0.042	0.079	0.031	0.022	0.040	0.037
2	.020	.022	.016	.018	.060	.025	.031	.039	.036	.032	.041	.072	.13	.018	.038
3	.017	.022	.016	.015	.018	.026	.025	1.0	.035	.91	.043	.054	.025	.018	1.4
4	.019	.023	.021	.015	.025	.024	.026	.65	.036	.13	.036	.43	.026	.019	.69
5	.79	.19	.018	.015	.023	.021	.025	.15	.035	.035	.039	.41	.024	.018	.027
6	.021	.021	.017	.015	.019	.023	.87	.075	.036	.031	.055	.050	.021	.017	.022
7	.018	.021	.017	.015	.024	.031	.23	.059	.19	.026	.15	.026	.022	.75	.026
8	.020	.025	.024	.018	.018	.054	2.2	.051	1.8	.027	.31	.028	.019	.028	.024
9	.022	.032	.059	.016	.019	.090	.057	.050	.40	4.3	.040	.040	.023	.036	.030
10	.024	.082	.098	.014	.023	.53	.038	.050	.095	.048	.12	2.4	.025	.15	.029
11	.017	.024	.028	.012	.024	.13	.033	.077	e.090	.031	.14	.20	.020	.018	.029
12	.018	.021	.015	.012	.12	.11	.030	.036	e.070	.021	.065	.023	.021	.012	.026
13	.023	.021	.012	.013	.29	.072	.035	.033	.072	.019	.031	.045	.031	.035	.026
14	.032	.020	.010	.74	.23	.050	.044	.033	.056	.042	.033	.051	.044	.025	.028
15	.025	.020	.011	.017	.033	.023	.60	.033	.056	.031	.030	.061	.047	.25	.030
16	.023	.024	.013	.017	.057	.023	1.9	.29	.051	.035	.029	.056	.049	.11	.030
17	.024	.018	.012	.017	.019	.028	.13	2.4	.051	.70	.029	.034	.37	.031	.044
18	.023	.018	.017	.13	.027	.021	.091	.084	.37	.27	.029	.023	.017	.037	.029
19	.024	.018	.019	1.1	.041	.017	.22	.056	.29	.47	.031	.035	.018	.047	.029
20	.017	.019	.016	.019	.025	.015	.087	.051	.060	.080	.042	.023	4.2	.058	.038
21	.15	.020	.017	.020	1.4	.020	.054	.063	.022	.059	.029	.050	.062	.058	.27
22	1.9	.020	.016	.057	.14	.88	.23	.11	.016	.080	.027	.026	.025	.058	.16
23	12	.022	.017	.015	.029	.032	.59	.29	.014	.26	.025	.032	.19	.076	.019
24	3.2	.030	.74	.022	.024	1.4	.11	.076	.015	.046	.025	.046	.15	.061	.015
25	.039	.20	.088	.063	.022	.11	.057	.12	.012	.041	.025	.057	1.7	.054	.027
26	.023	.019	.015	1.8	.020	.043	.047	.15	.011	.043	.027	.024	.027	.029	.015
27	.021	.018	.033	.028	.020	.34	2.2	.17	.010	.20	.026	.027	12	.020	.015
28	.021	.45	.51	.024	.020	.047	.16	.041	.010	.050	.025	.025	.046	.019	.020
29	1.4	.079	.019	.021	.030	.17	.071	---	.011	.054	.037	.029	.044	.020	.026
30	.81	.033	.019	.024	.19	.061	.054	---	.013	.48	.12	.049	.091	.021	.033
31	.071	.025	---	.054	---	.039	.047	---	.022	---	.026	---	.31	.027	---
TOTAL	21.292	1.583	1.931	4.366	3.390	4.775	10.325	6.280	4.023	8.593	1.764	4.457	19.799	2.160	3.232
MEAN	.69	.051	.064	.14	.11	.15	.33	.22	.13	.29	.057	.15	.64	.070	.11
MAX	12	.45	.74	1.8	1.4	1.4	2.2	2.4	1.8	4.3	.31	2.4	12	.75	1.4
MIN	.017	.018	.010	.012	.018	.015	.025	.033	.010	.019	.025	.023	.017	.012	.015
CFSM	5.58	.42	.52	1.15	.92	1.25	2.71	1.82	1.06	2.33	.46	1.21	5.19	.57	.88
IN.	6.44	.48	.58	1.32	1.03	1.44	3.12	1.90	1.22	2.60	.53	1.35	5.99	.55	.98

e Estimated

Table 67. Daily mean discharge values, in cubic feet per second, at site 42 (CSW04), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	1.0	0.034	0.003	0.007	0.93	1.3	0.094	0.036	0.049	0.058	0.16	0.029	e0.025	0.016	0.013
2	.047	.029	.006	.005	.20	.10	.094	.036	.045	.032	.038	.086	e.15	.012	.012
3	.033	.028	.010	.005	.011	.097	.094	3.1	.044	.93	1.2	.029	.020	.010	2.6
4	.032	.68	.011	.005	.012	.11	.095	1.6	.039	.22	.045	.71	.025	.009	2.0
5	3.7	.11	.014	.004	.010	.083	.097	.18	.032	.033	.031	.73	.024	.008	.028
6	.11	.028	.008	.004	.012	.081	.63	.049	.034	.031	.028	.070	.009	.007	.026
7	.029	.027	.008	.004	.014	.080	.61	.039	.35	.030	.22	.033	.025	1.8	.022
8	.031	.019	.011	.004	.012	.13	1.7	.044	4.6	.030	.32	.026	.012	.23	.023
9	.033	.021	.027	.007	.012	.22	.067	.040	.63	7.0	.036	.029	.015	1.4	.024
10	.039	.018	.28	.004	.015	1.8	.049	.044	.064	.086	.040	3.4	.016	1.5	.021
11	.031	.022	.11	.003	.021	.12	.045	.28	.055	.085	.16	.068	.014	.005	.029
12	.034	.013	.008	.000	.21	.079	.042	.074	.052	.046	.029	.034	.021	.003	.021
13	.027	.011	.011	.028	1.0	.060	.049	.032	.042	.035	.029	.030	.020	.10	.019
14	.027	.010	.003	.34	1.3	.057	.042	.029	.040	.081	.030	.027	.020	.005	.017
15	.028	.015	.000	.014	.036	.078	1.7	.032	.043	.022	.026	.026	.015	.30	.018
16	.071	.019	.000	.005	.031	.058	e4.0	.83	.042	.023	.033	.063	.024	.17	.033
17	.033	.019	.000	.003	.030	.069	.11	4.8	.045	2.0	.037	.026	.17	.044	.022
18	.035	.011	.004	.23	.035	.093	.060	.083	1.0	.18	.057	.026	.014	.007	.009
19	.028	.006	.003	4.2	.040	.094	1.1	.048	2.0	2.2	.029	.26	.006	.012	.014
20	.052	.016	.001	.013	.043	.11	.075	.042	2.1	.089	.029	.042	3.7	.029	.016
21	.024	.013	.000	.007	3.9	.11	.051	.037	.15	.034	.033	.041	.16	.031	.30
22	.32	.007	.008	.099	.37	3.2	.43	.083	.057	.056	.028	1.3	.017	.011	.16
23	21	.006	.005	.008	.084	.12	1.6	.71	.047	.90	.032	.65	.13	.009	.019
24	4.3	.006	1.9	.013	.064	4.1	.16	.073	.059	.040	.033	.076	.028	.010	.014
25	.057	.005	.25	.014	.064	.24	.064	.067	.044	.030	.032	.036	4.3	.014	.011
26	.067	.004	.008	4.2	.053	.11	.047	.042	.040	.026	.15	.028	.009	.014	.011
27	.069	.002	.040	.041	.054	.89	6.1	.20	.036	.25	.15	.026	14	.016	.025
28	.055	.003	.73	.011	.054	.13	.18	.046	.036	.030	.035	.027	.026	.014	.007
29	.56	.077	.016	.009	.079	.38	.048	---	.034	.025	.028	.032	.015	.017	.019
30	1.5	.009	.007	.008	.65	.27	.038	---	.034	.92	.40	e.060	.012	.012	.045
31	.13	.004	---	.031	---	.11	.041	---	.033	---	.036	---	.15	.018	---
TOTAL	33.502	1.278	3.482	9.326	9.346	14.479	19.512	12.676	11.876	15.522	3.534	8.020	23.172	5.833	5.578
MEAN	1.08	.041	.12	.30	.31	.47	.63	.45	.38	.52	.11	.27	.75	.19	.19
MAX	21	.68	1.9	4.2	3.9	4.1	6.1	4.8	4.6	7.0	1.2	3.4	14	1.8	2.6
MIN	.024	.002	.000	.000	.010	.057	.038	.029	.032	.022	.026	.026	.006	.003	.007
CFSM	8.58	.33	.92	2.39	2.47	3.71	5.00	3.59	3.04	4.11	.90	2.12	5.93	1.49	1.48
IN.	9.89	.38	1.03	2.75	2.76	4.27	5.76	3.74	3.51	4.58	1.04	2.37	6.84	1.72	1.65

e Estimated

Table 68. Daily mean discharge values, in cubic feet per second, at site 43 (CSW07), July 1997 through September 1998

[---, no data]

DAY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
1	0.066	0.016	0.011	0.041	1.3	1.1	0.089	0.18	0.078	0.21	0.64	0.093	0.068	0.28	0.092
2	.024	.035	.018	.018	.69	.20	.087	.15	.071	.14	.24	.13	.078	.13	.075
3	.028	.068	.017	.012	.17	.19	.098	2.5	.069	.73	.31	.083	.067	.11	6.8
4	.020	.034	.011	.047	.16	.19	.11	2.8	.095	.32	.20	1.1	.074	.090	6.8
5	.017	.10	.011	.027	.16	.15	.17	.62	.099	.14	.18	1.2	.069	.11	.13
6	.014	.018	.009	.038	.15	.15	1.3	.33	.097	.12	.17	.89	.068	.11	.10
7	.014	.031	.013	.030	.14	.14	1.1	.25	.46	.12	.68	.12	.071	3.7	.089
8	.009	.011	.018	.023	.13	.12	1.0	.20	5.4	.14	.61	.10	.37	.72	.12
9	.023	.010	.032	.017	.12	.15	.40	.17	2.2	12	.20	.11	.48	.46	.088
10	.025	.011	.17	.014	.12	1.3	.33	.16	.45	.30	.20	3.7	.076	.38	.077
11	.008	.016	.12	.018	.11	.12	.28	.22	.35	.19	.78	.11	.069	.14	.070
12	.015	.016	.090	.061	.72	.11	.21	.15	.31	.18	.18	.093	.17	.13	.064
13	.011	.017	.021	.027	1.3	.085	.12	.071	.27	.18	.16	.086	.27	.13	.071
14	.019	.026	.024	.025	1.5	.069	.073	.063	.23	.30	.16	.092	.15	.12	.066
15	.009	.025	.017	.030	.14	.077	1.7	.062	.20	.17	.16	.086	.072	5.2	.077
16	.43	.019	.016	.023	.13	.077	3.7	1.0	.19	.16	.16	.096	.076	2.9	.080
17	.024	.026	.021	.051	.13	.073	.35	5.0	.11	2.3	.15	.19	.078	1.0	.070
18	.015	.030	.050	.34	.14	.068	.41	.43	1.2	.43	.15	.078	.068	.25	.075
19	.003	.043	.017	4.9	.13	.067	3.7	.26	2.6	7.1	.15	.096	.064	.14	.068
20	.004	.075	.024	.19	.12	.063	.78	.20	1.1	.51	.15	.080	3.2	.15	.073
21	.004	.022	.011	.16	2.8	.054	.46	.17	.24	.21	.14	.077	1.3	.14	1.1
22	.004	.017	.012	.28	1.3	2.6	.98	.20	.15	.29	.16	.078	.14	.092	2.0
23	8.7	.011	.009	.15	.24	.13	2.3	.88	.14	2.1	.16	.090	.67	.10	.29
24	7.0	.011	2.3	.15	.21	6.5	.51	.19	.23	.22	.16	.23	.91	.11	.083
25	.085	.013	.51	.14	.18	.57	.32	.15	.15	.17	.16	.071	.19	.11	.071
26	.048	.013	.11	4.9	.17	.12	.094	.14	.14	.16	.15	.27	.12	.12	.080
27	.017	.011	.13	.27	.15	1.5	6.5	.32	.14	.60	.13	.070	.25	.098	.071
28	.039	.52	1.5	.15	.14	.15	.71	.13	.15	.20	.13	.060	2.1	.11	.11
29	.021	.025	.067	.15	.17	.65	.33	---	.14	.17	.13	.062	.18	.10	.074
30	.20	.065	.039	.15	.68	.37	.26	---	.14	1.9	.19	.066	.17	.095	.087
31	.079	.013	---	.15	---	.11	.22	---	.15	---	.11	---	2.4	.097	---
TOTAL	16.975	1.348	5.398	12.582	13.60	17.253	28.691	16.996	17.349	31.76	7.25	9.607	38.818	17.422	19.051
MEAN	.55	.043	.18	.41	.45	.56	.93	.61	.56	1.06	.23	.32	1.25	.56	.64
MAX	8.7	.52	2.3	4.9	2.8	6.5	6.5	5.0	5.4	12	.78	3.7	25	5.2	6.8
MIN	.003	.010	.009	.012	.11	.054	.073	.062	.069	.12	.11	.060	.064	.090	.064
CFSM	2.06	.16	.68	1.53	1.70	2.09	3.48	2.28	2.10	3.98	.88	1.20	4.71	2.11	2.39
IN.	2.37	.19	.75	1.76	1.90	2.41	4.01	2.38	2.43	4.44	1.01	1.34	5.43	2.44	2.66

c Estimated

Table 69. Maximum and minimum specific conductance and water temperature recorded by monitors at the streamflow and water-quality study sites, October 1994 through September 1998

[$\mu\text{S}/\text{cm}$; microsiemens per centimeter; $^{\circ}\text{C}$, degrees Celsius]

Site no. (fig. 1)	Period of record	Specific conductance ($\mu\text{S}/\text{cm}$ at 25 $^{\circ}\text{C}$)		Water temperature ($^{\circ}\text{C}$)	
		Maximum (Date)	Minimum (Date)	Maximum (Date)	Minimum (Date)
37 [CSW06]	5/95-9/98	960 (12/29/97)	22 (4/9/98)	49.3 (7/25/98)	0.3 (1/7/96; 11/29/97)
39 [CSW05]	10/94-9/98	7,060 (1/9/96)	10 (1/13/95)	34.7 (7/31/95)	0.7 (2/13/97)
40 [CSW03]	10/94-9/98	3,000 (1/12/96)	8 (11/1/97)	31.0 (8/15/95)	0.4 (2/5/96; 2/6/96)
41 [CSW02]	10/94-9/98	4,480 (2/4/96)	12 (6/19/95)	31.6 (8/15/95; 7/23/98)	2.0 (2/13/97)
42 [CSW04]	10/94-9/98	13,900 (5/22/96)	10 (1/5/96)	32.9 (7/23/98)	0.1 (1/7/96)
43 [CSW07]	10/94-9/98	1320 (1/22/98)	27 (1/7/96)	33.0 (6/24/97)	0.0 (1/6, 2/7, 9, 12/25-30/95; 1/7, 12, 2/4-6/96; 1/18/97)

Table 70. Statistical summary of water-quality data at site 37 (CSW06), May 1995 through September 1998

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS			PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN					
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
PHYSICAL AND CHEMICAL PROPERTIES										
00061	INSTANTANEOUS DISCHARGE (ft ³ /s)	75	40.000	0.010	3.572	20.000	4.100	1.200	0.530	0.068
00010	WATER TEMPERATURE (°C)	68	29.000	5.000	17.069	27.500	22.000	17.750	9.625	5.725
90095	SPECIFIC CONDUCTANCE, LAB (µS/cm at 25 °C)	45	164.000	22.000	63.400	141.500	80.000	53.000	45.000	27.400
00095	SPECIFIC CONDUCTANCE, FIELD (µS/cm at 25 °C)	62	152.000	20.000	63.806	143.950	79.250	53.500	43.750	27.300
00403	pH, LAB (STANDARD pH UNITS)	45	8.900	6.200	6.798	7.340	7.000	6.800	6.500	6.300
00400	pH, FIELD (STANDARD pH UNITS)	62	7.900	6.000	6.661	7.200	6.800	6.600	6.500	6.215
90410	ALKALINITY, LAB (mg/L as CaCO ₃)	45	52.000	5.600	11.982	25.700	14.000	8.900	7.000	5.930
80154	SUSPENDED SEDIMENT (mg/L)	45	364.000	10.000	69.667	228.700	81.000	45.000	27.500	11.000
00530	RESIDUE ON EVAPORATION AT 105 °C, SUSPENDED (mg/L)	30	140.000	4.000	40.267	133.400	57.750	22.500	8.750	4.550
00535	RESIDUE VOLATILE, SUSPENDED (mg/L)	40	54.000	<1.000	10.301*	36.000	11.000	5.000	2.000	<1.000
70300	DISSOLVED SOLIDS, RESIDUE AT 180 °C (mg/L)	45	190.000	19.000	51.511	116.100	54.000	43.000	35.000	22.000
00310	5 DAY BIOCHEMICAL OXYGEN DEMAND (mg/L)	42	23.000	<2.000	6.595*	13.000	7.600	5.400	4.300	<2.000
00340	CHEMICAL OXYGEN DEMAND (mg/L)	45	190.000	5.000	31.333	86.400	34.500	26.000	18.000	10.300
NUTRIENTS, TOTAL AND DISSOLVED										
00625	NITROGEN AMMONIA + ORGANIC, TOTAL (mg/L as N)	45	3.200	0.360	0.887	2.360	1.000	0.710	0.560	0.372
00631	NO ₂ + NO ₃ , DISSOLVED (mg/L as N)	45	0.850	0.050	0.334	0.694	0.445	0.340	0.190	0.093
00608	NITROGEN AMMONIA, DISSOLVED (mg/L as N)	45	0.430	<0.015	0.097*	0.330	0.120	0.060	0.030	<0.015
00605	NITROGEN ORGANIC, TOTAL (mg/L as N)	45	2.800	0.310	0.794	2.330	0.840	0.660	0.515	0.353
00600	NITROGEN, TOTAL (mg/L as N)	45	3.700	0.360	1.220	2.730	1.500	1.100	0.865	0.517
00665	PHOSPHORUS, TOTAL (mg/L as P)	45	1.900	0.028	0.294	1.193	0.330	0.200	0.135	0.080
00671	PHOSPHORUS ORTHO, DISSOLVED (mg/L as P)	45	1.180	0.010	0.115	0.261	0.130	0.080	0.040	0.012
OIL AND GREASE, TOTAL										
00556	OIL AND GREASE, TOTAL (mg/L)	12	3.000	<1.000	1.739*	3.000	3.000	1.000	<1.000	<1.000
ORGANIC CARBON, TOTAL										
00680	CARBON ORGANIC, TOTAL (mg/L)	27	32.000	5.700	11.778	27.200	14.000	10.000	8.500	5.780
COLIFORM										
31679	PECAL STREPTOCOCCI (Colonies per 100 mL)	35	140000.000	100.000	43991.145	124000.016	73000.000	45000.000	3000.000	380.000
31616	PECAL COLIFORM (Colonies per 100 mL)	35	480000.000	90.000	68390.570	392000.094	66000.000	27000.000	6900.000	90.000
ORGANIC COMPOUNDS—PESTICIDES, TOTAL										
39330	ALDRIN, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39340	LINDANE, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39350	CHLORDANE, TOTAL (µg/L)	4	<0.100	<0.100	--	--	--	--	--	--
39370	DDT, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39365	DDE, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39360	DDD, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39380	DIELDRIN, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39388	ENDOSULFAN, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39390	ENDRIN, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39410	HEPTACHLOR, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39420	HEPTACHLOR EPOXIDE, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39516	PCB, TOTAL (µg/L)	4	<0.130	<0.100	--	--	--	--	--	--
39400	TOXAPHENE, TOTAL (µg/L)	4	<1.000	<1.000	--	--	--	--	--	--
39034	PERTHANE, TOTAL (µg/L)	4	<0.100	<0.100	--	--	--	--	--	--
39570	DIAZINON, TOTAL (µg/L)	4	0.010	<0.010	--	--	--	--	--	--
39398	ETHION, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39530	MALATHION, TOTAL (µg/L)	4	0.010	<0.010	--	--	--	--	--	--
39600	METHYL PARATHION, TOTAL (µg/L)	4	0.010	<0.010	--	--	--	--	--	--
39540	PARATHION, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39786	TRITHION, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39250	PCN, TOTAL (µg/L)	4	<0.100	<0.100	--	--	--	--	--	--
39480	METHOXYCHLOR, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39755	MIREX, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39011	DISYSTON, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39023	PHORATE, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
38932	CHLORPYRIFOS, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39040	DEF, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
82614	FONOFOS, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
VOLATILE ORGANIC COMPOUNDS, TOTAL										
34215	ACRYLONITRILE, TOTAL (µg/L)	1	<5.000	--	--	--	--	--	--	--
34030	BENZENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
32104	BROMOFORM, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
32102	CARBON TETRACHLORIDE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34301	CHLOROBENZENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
32105	CHLORODIBROMOMETHANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34311	CHLOROETHANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
32106	CHLOROFORM, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34496	1,1-DICHLOROETHANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
32103	1,2-DICHLOROETHANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34501	1,1-DICHLOROETHYLENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34541	1,2-DICHLOROPROPANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34371	ETHYLBENZENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34413	METHYL BROMIDE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 70. Statistical summary of water-quality data at site 37 (CSW06), May 1995 through September 1998—Continued

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
34423	METHYLENE CHLORIDE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34475	TETRACHLOROETHYLENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34010	TOLUENE, TOTAL (µg/L)	9	0.300	<0.200	--	0.300	<0.800	<0.800	<0.400	<0.400
34546	1,2-TRANS-DICHLOROETHENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34506	1,1,1-TRICHLOROETHANE, TOTAL (µg/L)	9	1.300	<0.200	--	1.300	<0.800	<0.400	<0.400	<0.400
34511	1,1,2-TRICHLOROETHANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
39180	TRICHLOROETHYLENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
39175	VINYL CHLORIDE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
30217	DIBROMOMETHANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
32101	DICHLOROBROMOMETHANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34668	DICHLORODIFLUOROMETHANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34488	TRICHLOROFLUOROMETHANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77651	1,2-DIBROMOETHANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34418	METHYLCHLORIDE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34704	CIS 1,3-DICHLOROPROPENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34699	TRANS 1,3-DICHLOROPROPENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77128	STYRENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
81551	XYLENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
82625	DIBROMOCHLOROPROPANE, TOTAL (µg/L)	9	<10.000	<1.000	--	--	--	--	--	--
77168	1,1-DICHLOROPROPENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77170	2,2-DICHLOROPROPANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77173	1,3-DICHLOROPROPANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77275	O-CHLOROTOLUENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77277	P-CHLOROTOLUENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77443	123-TRICHLOROPROPANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77562	1112-TETRACHLOROETHANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
78032	TERTBUTYL METHYL ETHER, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77297	BROMOCHLORO METHANE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77093	CIS-1,2-DICHLOROETHENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (µg/L)	5	<10.000	<1.000	--	--	--	--	--	--
77223	ISOPROPYL BENZENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77224	N-PROPYL BENZENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77353	TERTBUTYL BENZENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77222	PSEUDOCUMENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77350	SEC-BUTYL BENZENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77356	P-ISOPROPYL TOLUENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77342	N-BUTYL BENZENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77613	1,2,3-TRICHLOROBENZENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77652	FREON-113, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
77226	MESITYLENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
81555	BROMOBENZENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34551	1,2,4-TRICHLOROBENZENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34536	1,2-DICHLOROBENZENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34566	1,3-DICHLOROBENZENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34571	1,4-DICHLOROBENZENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
39702	HEXACHLOROBTADIENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
34696	NAPHTHALENE, TOTAL (µg/L)	9	<2.000	<0.200	--	--	--	--	--	--
METALS AND MINOR CONSTITUENTS, TOTAL										
01097	ANTIMONY, TOTAL (µg/L as Sb)	32	1.000	<1.000	--	1.000	<1.000	<1.000	<1.000	<1.000
01002	ARSENIC, TOTAL (µg/L as As)	32	5.000	<1.000	--	3.000	<1.000	<1.000	<1.000	<1.000
01012	BERYLLIUM, TOTAL (µg/L as Be)	19	<10.000	<10.000	--	<10.000	<10.000	<10.000	<10.000	<10.000
01027	CADMIUM, TOTAL (µg/L as Cd)	19	<1.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
01034	CHROMIUM, TOTAL (µg/L as Cr)	32	32.000	<1.000	5.796*	15.000	7.000	3.000	2.000	<1.000
01042	COPPER, TOTAL (µg/L as Cu)	32	44.000	5.000	15.250	33.600	18.500	14.000	11.000	5.000
01051	LEAD, TOTAL (µg/L as Pb)	32	41.000	<1.000	6.626*	25.000	8.000	3.000	2.000	<1.000
71900	MERCURY, TOTAL (µg/L as Hg)	32	0.200	<0.100	--	0.200	<0.100	<0.100	<0.100	<0.100
01067	NICKEL, TOTAL (µg/L as Ni)	32	41.000	3.000	10.406	35.150	10.750	8.000	6.000	3.000
01147	SELENIUM, TOTAL (µg/L as Se)	19	<1.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
01077	SILVER, TOTAL (µg/L as Ag)	19	2.000	<1.000	--	2.000	<1.000	<1.000	<1.000	<1.000
01092	ZINC, TOTAL (µg/L as Zn)	32	240.000	40.000	90.938	207.500	117.500	85.000	60.000	40.000
00720	CYANIDE, TOTAL (mg/L as Cn)	15	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
ORGANIC COMPOUNDS—PESTICIDES, DISSOLVED										
49260	ACETOCHLOR, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
46342	ALACHLOR, DISSOLVED (µg/L)	3	0.010	<0.002	--	--	--	--	--	--
04040	DEETHYL ATRAZINE, DISSOLVED (µg/L)	3	0.008	<0.002	--	--	--	--	--	--
39632	ATRAZINE, DISSOLVED (µg/L)	3	0.084	0.011	--	--	--	--	--	--
82686	METHYL AZINPHOS, DISSOLVED (µg/L)	3	<0.001	<0.001	--	--	--	--	--	--
82673	BENFLURALIN, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
04028	BUTYLATE, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
82680	CARBARYL, DISSOLVED (µg/L)	3	0.048	0.014	--	--	--	--	--	--
82674	CARBOFURAN, DISSOLVED (µg/L)	3	0.007	<0.003	--	--	--	--	--	--
38933	CHLORPYRIFOS, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
04041	CYANAZINE, DISSOLVED (µg/L)	3	0.034	<0.004	--	--	--	--	--	--
82682	DCPA, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
34653	P,P' DDE, DISSOLVED (µg/L)	3	<0.006	<0.006	--	--	--	--	--	--
39572	DIAZINON, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
39381	DELDRIIN, DISSOLVED (µg/L)	3	<0.001	<0.001	--	--	--	--	--	--
82660	2,6-DIETHYL ANILINE, DISSOLVED (µg/L)	3	<0.003	<0.003	--	--	--	--	--	--
82677	DISULFOTON, DISSOLVED (µg/L)	3	<0.017	<0.017	--	--	--	--	--	--
82668	EPTC, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 70. Statistical summary of water-quality data at site 37 (CSW06), May 1995 through September 1998—Continued

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS			PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN					
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
82663	ETHALFLURALIN, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82672	ETHOPROP, DISSOLVED (µg/L)	3	<0.003	<0.003	--	--	--	--	--	--
04095	FONOFOS, DISSOLVED (µg/L)	3	<0.003	<0.003	--	--	--	--	--	--
34253	ALPHA BHC, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
39341	LINDANE, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82666	LINURON, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
39532	MALATHION, DISSOLVED (µg/L)	3	0.018	<0.005	--	--	--	--	--	--
82667	METHYL PARATHION, DISSOLVED (µg/L)	3	0.031	<0.006	--	--	--	--	--	--
39415	METOLACHLOR, DISSOLVED (µg/L)	3	0.034	0.008	--	--	--	--	--	--
82630	METRIBUZIN, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82671	MOLINATE, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82684	NAPROPAMIDE, DISSOLVED (µg/L)	3	<0.003	<0.003	--	--	--	--	--	--
39542	PARATHION, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82669	PEBULATE, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82683	PENDIMETHALIN, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82687	PERMETHRIN, DISSOLVED (µg/L)	3	<0.005	<0.005	--	--	--	--	--	--
82664	PHORATE, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
82676	PRONAMIDE, DISSOLVED (µg/L)	3	0.010	<0.003	--	--	--	--	--	--
04037	PROMETON, DISSOLVED (µg/L)	3	0.148	<0.018	--	--	--	--	--	--
04024	PROPACHLOR, DISSOLVED (µg/L)	3	<0.007	<0.007	--	--	--	--	--	--
82679	PROPANIL, DISSOLVED (µg/L)	3	0.009	<0.004	--	--	--	--	--	--
82685	PROPARGITE, DISSOLVED (µg/L)	3	<0.013	<0.013	--	--	--	--	--	--
04035	SIMAZINE, DISSOLVED (µg/L)	3	<0.009	<0.005	--	--	--	--	--	--
82681	THIOBENCARB, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
82670	TEBUTHIURON, DISSOLVED (µg/L)	3	0.508	<0.010	--	--	--	--	--	--
82665	TERBACIL, DISSOLVED (µg/L)	3	<0.025	<0.007	--	--	--	--	--	--
82675	TERBUFOS, DISSOLVED (µg/L)	3	<0.013	<0.013	--	--	--	--	--	--
82678	TRIALATE, DISSOLVED (µg/L)	3	<0.001	<0.001	--	--	--	--	--	--
82661	TRIFLURALIN, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
39742	2,4,5-T, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
39732	2,4-D, DISSOLVED (µg/L)	3	<0.150	<0.035	--	--	--	--	--	--
38746	2,4-DB, DISSOLVED (µg/L)	3	<0.240	<0.035	--	--	--	--	--	--
49315	ACIFLUORFEN, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
49312	ALDICARB, DISSOLVED (µg/L)	3	<0.550	<0.016	--	--	--	--	--	--
49313	ALDICARB SULFONE, DISSOLVED (µg/L)	3	<0.100	<0.016	--	--	--	--	--	--
49314	ALDICARB SULFOXIDE, DISSOLVED (µg/L)	3	<0.021	<0.021	--	--	--	--	--	--
38711	BENTAZON, DISSOLVED (µg/L)	3	<0.014	<0.014	--	--	--	--	--	--
04029	BROMACIL, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
49311	BROMOXNYL, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
49310	CARBARYL, DISSOLVED (µg/L)	3	<0.008	<0.008	--	--	--	--	--	--
49309	CARBOFURAN, DISSOLVED (µg/L)	3	<0.120	<0.028	--	--	--	--	--	--
49308	3-HYDROXY-CARBOFURAN (µg/L)	3	<0.014	<0.014	--	--	--	--	--	--
49307	AMIBEN, DISSOLVED (µg/L)	3	<0.420	<0.011	--	--	--	--	--	--
49306	CHLOROTHALONIL, DISSOLVED (µg/L)	3	<0.480	<0.035	--	--	--	--	--	--
49305	CLOPYRALID, DISSOLVED (µg/L)	3	<0.230	<0.050	--	--	--	--	--	--
49304	DACTHALMONO-ACID, DISSOLVED (µg/L)	3	<0.017	<0.017	--	--	--	--	--	--
38442	DICAMBA, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
49303	DICHOLOBENIL, DISSOLVED (µg/L)	2	<1.200	<0.020	--	--	--	--	--	--
49302	DICHLORPROP, DISSOLVED (µg/L)	3	<0.032	<0.032	--	--	--	--	--	--
49301	DINOSEB, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
49300	DIURON, DISSOLVED (µg/L)	3	12.300	<0.020	--	--	--	--	--	--
49299	4,6-DINITRO OCRE SOL, DISSOLVED (µg/L)	3	<0.420	<0.035	--	--	--	--	--	--
49298	ESFENVALERATE, DISSOLVED (µg/L)	2	<0.019	<0.019	--	--	--	--	--	--
49297	FENURON, DISSOLVED (µg/L)	3	<0.013	<0.013	--	--	--	--	--	--
38811	FLUOMETURON, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
38478	LINURON, DISSOLVED (µg/L)	3	<0.018	<0.018	--	--	--	--	--	--
38482	MCPA, DISSOLVED (µg/L)	3	<0.170	<0.050	--	--	--	--	--	--
38487	MCPB, DISSOLVED (µg/L)	3	<0.140	<0.035	--	--	--	--	--	--
38501	METHIOCARB, DISSOLVED (µg/L)	3	<0.026	<0.026	--	--	--	--	--	--
49296	METHOMYL, DISSOLVED (µg/L)	3	<0.017	<0.017	--	--	--	--	--	--
49295	1-NAPHTHOL, DISSOLVED (µg/L)	2	<0.007	<0.007	--	--	--	--	--	--
49294	NEBURON, DISSOLVED (µg/L)	3	<0.015	<0.015	--	--	--	--	--	--
49293	NORFLURAZON, DISSOLVED (µg/L)	3	<0.024	<0.024	--	--	--	--	--	--
49292	ORYZALIN, DISSOLVED (µg/L)	3	<0.310	<0.019	--	--	--	--	--	--
38866	OXAMYL, DISSOLVED (µg/L)	3	<0.018	<0.018	--	--	--	--	--	--
49291	PICLORAM, DISSOLVED (µg/L)	3	<0.050	<0.050	--	--	--	--	--	--
49236	PROPHAM, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
38538	PROPOXUR, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
39762	SILVEX, DISSOLVED (µg/L)	3	<0.021	<0.021	--	--	--	--	--	--
49235	TRICLOPYR, DISSOLVED (µg/L)	3	1.460	<0.050	--	--	--	--	--	--
ORGANIC COMPOUNDS—ORGANONITROGEN, TOTAL										
39057	PROMETRYNE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
39056	PROMETONE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
39054	SIMETRYNE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
81757	CYANAZINE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
77825	ALACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82611	METRIBUZIN, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30311	TERBACIL, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30245	CARBOXIN, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30264	HEXAZINONE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30235	BUTACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30236	BUTYLATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 70. Statistical summary of water-quality data at site 37 (CSW06), May 1995 through September 1998—Continued

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS			PERCENT OF SAMPLES IN WHICH VALUE'S WERE LESS THAN OR EQUAL TO THOSE SHOWN					
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
75981	DE-ETHYLATRAZINE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
39630	ATRAZINE, TOTAL (µg/L)	1	0.100	--	--	--	--	--	--	--
39055	SIMAZINE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
39024	PROPAZINE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82184	AMETRYNE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
39030	TRIFLURALIN, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82612	METOLACHLOR, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30234	BROMACIL, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30255	DIPHENAMID, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30324	VERNOLATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30254	CYCLOATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30295	PROPACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
75980	DE-ISOPROPYLATRAZIN, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
ORGANIC COMPOUNDS—HERBICIDES, TOTAL										
39730	2,4-D, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
39760	SILVEX, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
39720	PICLORAM, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
39740	2,4,5-T, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
82183	2,4-DE, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
82052	DICAMBA, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
ORGANIC COMPOUNDS—CARBAMATE PESTICIDES, TOTAL										
39750	SEVIN, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
39051	METHOMYL, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
82619	ALDICARD, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
30296	PROPOXUR, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
39052	PROPHAM, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
82615	CARBOFURAN, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
77441	1-NAPHTHOL, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
30282	METHIOCARB, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 71. Statistical summary of water-quality data at site 39 (CSW05), June 1994 through September 1998

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS			PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN					
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
PHYSICAL AND CHEMICAL PROPERTIES										
00061	INSTANTANEOUS DISCHARGE (ft ³ /s)	94	21.000	0.000	1.192	4.850	1.125	0.420	0.140	0.010
00010	WATER TEMPERATURE (°C)	94	31.000	1.700	17.063	27.575	21.925	18.000	11.500	4.200
90095	SPECIFIC CONDUCTANCE, LAB (µS/cm at 25 °C)	54	456.000	21.000	92.111	380.000	108.500	63.500	42.000	25.750
00095	SPECIFIC CONDUCTANCE, FIELD (µS/cm at 25 °C)	73	429.000	11.000	78.479	239.400	98.500	49.000	36.500	20.700
00403	pH, LAB (STANDARD pH UNITS)	56	8.000	5.300	6.746	7.900	7.100	6.900	6.300	5.655
00400	pH, FIELD (STANDARD pH UNITS)	71	7.900	5.200	6.732	7.300	6.900	6.800	6.600	5.680
90410	ALKALINITY, LAB (mg/L as CaCO ₃)	57	150.000	2.000	19.216	117.300	16.500	10.000	6.250	2.950
80154	SUSPENDED SEDIMENT (mg/L)	60	650.000	7.000	118.550	420.600	182.500	64.500	41.000	18.050
00530	RESIDUE ON EVAPORATION AT 105 °C, SUSPENDED (mg/L)	32	232.000	1.000	66.094	228.100	132.500	28.000	14.000	2.950
00535	RESIDUE VOLATILE, SUSPENDED (mg/L)	51	157.000	<1.000	23.695*	64.000	44.000	10.000	4.000	<1.000
70300	DISSOLVED SOLIDS, RESIDUE AT 180 °C (mg/L)	57	297.000	1.000	69.982	234.300	84.000	48.000	28.500	9.200
00310	5 DAY BIOCHEMICAL OXYGEN DEMAND (mg/L)	44	25.000	<2.000	8.638*	23.000	14.000	6.600	3.700	<2.000
00340	CHEMICAL OXYGEN DEMAND (mg/L)	59	580.000	5.000	78.407	300.000	100.000	41.000	22.000	7.000
NUTRIENTS, TOTAL AND DISSOLVED										
00625	NITROGEN AMMONIA + ORGANIC, TOTAL (mg/L as N)	60	9.300	0.350	1.833	7.000	2.200	1.100	0.627	0.400
00631	NO ₂ + NO ₃ , DISSOLVED (mg/L as N)	60	2.800	0.150	0.658	1.553	0.858	0.565	0.313	0.171
00608	NITROGEN AMMONIA, DISSOLVED (mg/L as N)	60	2.300	<0.015	0.349*	1.200	0.420	0.130	0.080	<0.015
00605	NITROGEN ORGANIC, TOTAL (mg/L as N)	60	7.500	0.000	1.486	6.110	1.900	0.865	0.545	0.311
00600	NITROGEN, TOTAL (mg/L as N)	60	11.000	0.600	2.494	8.375	3.100	1.600	1.100	0.692
00665	PHOSPHORUS, TOTAL (mg/L as P)	60	1.500	0.020	0.416	1.199	0.605	0.265	0.165	0.091
00671	PHOSPHORUS ORTHO, DISSOLVED (mg/L as P)	60	1.000	0.010	0.209	0.938	0.218	0.130	0.072	0.027
OIL AND GREASE, TOTAL										
00556	OIL AND GREASE, TOTAL (mg/L)	17	19.000	<1.000	5.550*	19.000	8.000	4.000	3.000	<1.000
ORGANIC CARBON, TOTAL										
00680	CARBON ORGANIC, TOTAL (mg/L)	37	120.000	4.200	25.924	95.700	31.000	14.000	9.500	5.190
COLIFORM										
31679	FECAL STREPTOCOCCI (Colonies per 100 mL)	30	65000.000	72.000	11421.066	50150.020	15500.000	5800.000	1900.000	279.900
31616	FECAL COLIFORM (Colonies per 100 mL)	30	310000.000	60.000	33298.332	200000.156	37250.000	6750.000	1072.500	82.000
ORGANIC COMPOUNDS—PESTICIDES, TOTAL										
39330	ALDRIN, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39340	LINDANE, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39350	CHLORDANE, TOTAL (µg/L)	5	<0.100	<0.100	--	--	--	--	--	--
39370	DDT, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39365	DDE, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39360	DDD, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39380	DIELDRIN, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39388	ENDOSULFAN, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39390	ENDRIN, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39410	HEPTACHLOR, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39420	HEPTACHLOR EPOXIDE, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39516	PCB, TOTAL (µg/L)	5	0.100	<0.100	--	--	--	--	--	--
39400	TOXAPHENE, TOTAL (µg/L)	5	<1.000	<1.000	--	--	--	--	--	--
39034	PERTHANE, TOTAL (µg/L)	5	<0.100	<0.100	--	--	--	--	--	--
39570	DIAZINON, TOTAL (µg/L)	5	0.020	<0.010	--	--	--	--	--	--
39398	ETHION, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39530	MALATHION, TOTAL (µg/L)	5	0.060	<0.010	--	--	--	--	--	--
39600	METHYL PARATHION, TOTAL (µg/L)	5	0.010	<0.010	--	--	--	--	--	--
39540	PARATHION, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39786	TRITHION, TOTAL (µg/L)	5	0.020	<0.010	--	--	--	--	--	--
39250	PCN, TOTAL (µg/L)	5	<0.100	<0.100	--	--	--	--	--	--
39480	METHOXYCHLOR, TOTAL (µg/L)	5	0.020	<0.010	--	--	--	--	--	--
39755	MIREX, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39011	DISYSTON, TOTAL (µg/L)	3	<0.010	<0.010	--	--	--	--	--	--
39023	PHORATE, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
38932	CHLORPYRIFOS, TOTAL (µg/L)	5	0.010	<0.010	--	--	--	--	--	--
39040	DEF, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
82614	FONOFOS, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
VOLATILE ORGANIC COMPOUNDS, TOTAL										
34210	ACROLEIN, TOTAL (µg/L)	1	<20.000	--	--	--	--	--	--	--
34215	ACRYLONITRILE, TOTAL (µg/L)	2	<20.000	<5.000	--	--	--	--	--	--
34030	BENZENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
32104	BROMOFORM, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
32102	CARBON TETRACHLORIDE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34301	CHLOROBEZENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
32105	CHLORODIBROMOMETHANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34311	CHLOROETHANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
32106	CHLOROFORM, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34496	1,1-DICHLOROETHANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
32103	1,2-DICHLOROETHANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--

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Table 71. Statistical summary of water-quality data at site 39 (CSW05), June 1994 through September 1998—Continued

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
34501	1,1-DICHLOROETHYLENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34541	1,2-DICHLOROPROPANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34371	ETHYLBENZENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34413	METHYL BROMIDE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34423	METHYLENE CHLORIDE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34475	TETRACHLOROETHYLENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34010	TOLUENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34546	1,2-TRANSDICHLOROETHENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34506	1,1,1-TRICHLOROETHANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34511	1,1,2-TRICHLOROETHANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
39180	TRICHLOROETHYLENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
39175	VINYL CHLORIDE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
30217	DIBROMOMETHANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
32101	DICHLOROBROMOMETHANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34668	DICHLORODIFLUOROMETHANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34488	TRICHLOROFUOROMETHANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77651	1,2-DIBROMOETHANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34418	METHYLCHLORIDE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34704	CIS 1,3-DICHLOROPROPENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34699	TRANS 1,3-DICHLOROPROPENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77128	STYRENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
81551	XYLENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
82625	DIBROMOCHLOROPROPANE, TOTAL (µg/L)	11	<10.000	<1.000	--	--	--	--	--	--
77168	1,1-DICHLOROPROPENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77170	2,2-DICHLOROPROPANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77173	1,3-DICHLOROPROPANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77275	O-CHLOROTOLUENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77277	P-CHLOROTOLUENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77443	123-TRICHLOROPROPANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77562	1112-TETRACHLOROETHANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
78032	TERTBUTYL METHYL ETHER, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77297	BROMOCHLORO METHANE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77093	CIS-1,2-DICHLOROETHENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (µg/L)	5	<10.000	<1.000	--	--	--	--	--	--
77223	ISOPROPYL BENZENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77224	N-PROPYL BENZENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77353	TERTBUTYL BENZENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77222	PSEUDOCUMENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77350	SEC-BUTYL BENZENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77356	P-ISOPROPYL TOLUENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77342	N-BUTYL BENZENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77613	1,2,3-TRICHLOROBENZENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77652	FRON-113, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
77226	MESITYLENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
81555	BROMOBENZENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34551	1,2,4-TRICHLOROBENZENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34536	1,2-DICHLOROBENZENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34566	1,3-DICHLOROBENZENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34571	1,4-DICHLOROBENZENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
39702	HEXACHLOROBUTADIENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
34696	NAPHTHALENE, TOTAL (µg/L)	11	<2.000	<0.200	--	--	--	--	--	--
METALS AND MINOR CONSTITUENTS, TOTAL										
01097	ANTIMONY, TOTAL (µg/L as Sb)	43	8.000	<1.000	0.816*	3.000	1.000	<1.000	<1.000	<1.000
01002	ARSENIC, TOTAL (µg/L as As)	43	140.000	<1.000	4.512*	6.000	1.000	<1.000	<1.000	<1.000
01012	BERYLLIUM, TOTAL (µg/L as Be)	12	<10.000	<10.000	--	<10.000	<10.000	<10.000	<10.000	<10.000
01027	CADMIUM, TOTAL (µg/L as Cd)	12	3.000	<1.000	--	3.000	1.000	<1.000	<1.000	<1.000
01034	CHROMIUM, TOTAL (µg/L as Cr)	43	65.000	1.000	11.767	27.400	15.000	9.000	6.000	1.000
01042	COPPER, TOTAL (µg/L as Cu)	43	48.000	1.000	19.419	44.600	27.000	18.000	10.000	3.600
01051	LEAD, TOTAL (µg/L as Pb)	43	66.000	<1.000	22.209*	60.000	37.000	19.000	8.000	<1.000
71900	MERCURY, TOTAL (µg/L as Hg)	12	0.200	<0.100	--	0.200	<0.100	<0.100	<0.100	<0.100
01067	NICKEL, TOTAL (µg/L as Ni)	43	19.000	1.000	7.116	18.200	10.000	6.000	3.000	1.000
01147	SELENIUM, TOTAL (µg/L as Se)	12	<1.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
01077	SILVER, TOTAL (µg/L as Ag)	12	<1.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
01092	ZINC, TOTAL (µg/L as Zn)	43	700.000	20.000	202.326	468.000	280.000	170.000	80.000	42.000
00720	CYANIDE, TOTAL (mg/L as Cn)	12	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
ORGANIC COMPOUNDS—PESTICIDES, DISSOLVED										
49260	ACETOCHLOR, DISSOLVED (µg/L)	4	<0.002	<0.002	--	--	--	--	--	--
46342	ALACHLOR, DISSOLVED (µg/L)	4	<0.002	<0.002	--	--	--	--	--	--
04040	DEETHYL ATRAZINE, DISSOLVED (µg/L)	4	0.007	<0.002	--	--	--	--	--	--
39632	ATRAZINE, DISSOLVED (µg/L)	4	0.053	<0.001	--	--	--	--	--	--
82686	METHYL AZINPHOS, DISSOLVED (µg/L)	4	<0.001	<0.001	--	--	--	--	--	--
82673	BENFLURALIN, DISSOLVED (µg/L)	4	<0.002	<0.002	--	--	--	--	--	--
04028	BUTYLATE, DISSOLVED (µg/L)	4	<0.002	<0.002	--	--	--	--	--	--
82680	CARBARYL, DISSOLVED (µg/L)	4	0.199	<0.003	--	--	--	--	--	--
82674	CARBOFURAN, DISSOLVED (µg/L)	4	<0.003	<0.003	--	--	--	--	--	--
38933	CHLORPYRIFOS, DISSOLVED (µg/L)	4	<0.004	<0.004	--	--	--	--	--	--
04041	CYANAZINE, DISSOLVED (µg/L)	4	<0.004	<0.004	--	--	--	--	--	--
82682	DCPA, DISSOLVED (µg/L)	4	0.001	<0.002	--	--	--	--	--	--
34653	P,P' DDE, DISSOLVED (µg/L)	4	<0.006	<0.006	--	--	--	--	--	--
39572	DIAZINON, DISSOLVED (µg/L)	4	<0.002	<0.002	--	--	--	--	--	--
39381	DIELDRIN, DISSOLVED (µg/L)	4	<0.001	<0.001	--	--	--	--	--	--

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Table 71. Statistical summary of water-quality data at site 39 (CSW05), June 1994 through September 1998—Continued

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
82660	2,6-DIETHYL ANILINE, DISSOLVED (µg/L)	4	<0.003	<0.003	--	--	--	--	--	--
82677	DISULFOTON, DISSOLVED (µg/L)	4	<0.017	<0.017	--	--	--	--	--	--
82668	EPTC, DISSOLVED (µg/L)	4	<0.002	<0.002	--	--	--	--	--	--
82663	ETHALFLURALIN, DISSOLVED (µg/L)	4	<0.004	<0.004	--	--	--	--	--	--
82672	ETHOPROP, DISSOLVED (µg/L)	4	<0.003	<0.003	--	--	--	--	--	--
04095	FONOFOS, DISSOLVED (µg/L)	4	<0.003	<0.003	--	--	--	--	--	--
34253	ALPHA BHC, DISSOLVED (µg/L)	4	<0.002	<0.002	--	--	--	--	--	--
39341	LINDANE, DISSOLVED (µg/L)	4	<0.004	<0.004	--	--	--	--	--	--
82666	LINURON, DISSOLVED (µg/L)	4	<0.002	<0.002	--	--	--	--	--	--
39532	MALATHION, DISSOLVED (µg/L)	4	0.132	<0.005	--	--	--	--	--	--
82667	METHYL PARATHION, DISSOLVED (µg/L)	4	<0.006	<0.006	--	--	--	--	--	--
39415	METOLACHLOR, DISSOLVED (µg/L)	3	0.039	<0.002	--	--	--	--	--	--
82630	METRIBUZIN, DISSOLVED (µg/L)	4	<0.004	<0.004	--	--	--	--	--	--
82671	MOLINATE, DISSOLVED (µg/L)	4	<0.004	<0.004	--	--	--	--	--	--
82684	NAPROPAMIDE, DISSOLVED (µg/L)	4	<0.003	<0.003	--	--	--	--	--	--
39542	PARATHION, DISSOLVED (µg/L)	4	<0.004	<0.004	--	--	--	--	--	--
82669	PEBULATE, DISSOLVED (µg/L)	4	<0.004	<0.004	--	--	--	--	--	--
82683	PENDIMETHALIN, DISSOLVED (µg/L)	4	<0.004	<0.004	--	--	--	--	--	--
82687	PERMETHRIN, DISSOLVED (µg/L)	4	<0.005	<0.005	--	--	--	--	--	--
82664	PHORATE, DISSOLVED (µg/L)	4	<0.002	<0.002	--	--	--	--	--	--
82676	PRONAMIDE, DISSOLVED (µg/L)	4	<0.003	<0.003	--	--	--	--	--	--
04037	PROMETON, DISSOLVED (µg/L)	4	0.053	<0.018	--	--	--	--	--	--
04024	PROPACHLOR, DISSOLVED (µg/L)	4	<0.007	<0.007	--	--	--	--	--	--
82679	PROPANIL, DISSOLVED (µg/L)	4	<0.004	<0.004	--	--	--	--	--	--
82685	PROPARGITE, DISSOLVED (µg/L)	4	<0.013	<0.013	--	--	--	--	--	--
04035	SIMAZINE, DISSOLVED (µg/L)	4	<0.005	<0.005	--	--	--	--	--	--
82681	THIOBENCARB, DISSOLVED (µg/L)	4	<0.002	<0.002	--	--	--	--	--	--
82670	TEBUTHIURON, DISSOLVED (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
82665	TERBACIL, DISSOLVED (µg/L)	4	0.019	<0.007	--	--	--	--	--	--
82675	TERBUFOS, DISSOLVED (µg/L)	4	<0.013	<0.013	--	--	--	--	--	--
82678	TRIALATE, DISSOLVED (µg/L)	4	<0.001	<0.001	--	--	--	--	--	--
82661	TRIFLURALIN, DISSOLVED (µg/L)	4	<0.002	<0.002	--	--	--	--	--	--
39742	2,4,5-T, DISSOLVED (µg/L)	4	<0.035	<0.035	--	--	--	--	--	--
39732	2,4-D, DISSOLVED (µg/L)	4	<0.150	<0.035	--	--	--	--	--	--
38746	2,4-DB, DISSOLVED (µg/L)	4	<0.240	<0.035	--	--	--	--	--	--
49315	ACIFLUORFEN, DISSOLVED (µg/L)	4	<0.035	<0.035	--	--	--	--	--	--
49312	ALDICARB, DISSOLVED (µg/L)	4	<0.550	<0.016	--	--	--	--	--	--
49313	ALDICARB SULFONE, DISSOLVED (µg/L)	4	<0.100	<0.016	--	--	--	--	--	--
49314	ALDICARB SULFOXIDE, DISSOLVED (µg/L)	4	<0.021	<0.021	--	--	--	--	--	--
38711	BENTAZON, DISSOLVED (µg/L)	4	<0.014	<0.014	--	--	--	--	--	--
04029	BROMACIL, DISSOLVED (µg/L)	4	<0.035	<0.035	--	--	--	--	--	--
49311	BROMOXYNIL, DISSOLVED (µg/L)	4	<0.035	<0.035	--	--	--	--	--	--
49310	CARBARYL, DISSOLVED (µg/L)	4	<0.008	<0.008	--	--	--	--	--	--
49309	CARBOFURAN, DISSOLVED (µg/L)	4	<0.120	<0.028	--	--	--	--	--	--
49308	3-HYDROXY-CARBOFURAN (µg/L)	4	<0.014	<0.014	--	--	--	--	--	--
49307	AMIBEN, DISSOLVED (µg/L)	4	<0.420	<0.011	--	--	--	--	--	--
49306	CHLOROTHALONIL, DISSOLVED (µg/L)	4	<0.480	<0.035	--	--	--	--	--	--
49305	CLOPYRALID, DISSOLVED (µg/L)	4	<0.230	<0.050	--	--	--	--	--	--
49304	DACTHALMONO-ACID, DISSOLVED (µg/L)	4	<0.017	<0.017	--	--	--	--	--	--
38442	DICAMBA, DISSOLVED (µg/L)	4	<0.035	<0.035	--	--	--	--	--	--
49303	DICHOLOBENIL, DISSOLVED (µg/L)	4	<1.200	<0.020	--	--	--	--	--	--
49302	DICHLORPROP, DISSOLVED (µg/L)	4	<0.032	<0.032	--	--	--	--	--	--
49301	DINOSER, DISSOLVED (µg/L)	4	<0.035	<0.035	--	--	--	--	--	--
49300	DIURON, DISSOLVED (µg/L)	4	<0.020	<0.020	--	--	--	--	--	--
49299	4,6-DINITRO OCRE SOL, DISSOLVED (µg/L)	4	<0.420	<0.035	--	--	--	--	--	--
49298	ESFENVALERATE, DISSOLVED (µg/L)	3	<0.019	<0.019	--	--	--	--	--	--
49297	FENURON, DISSOLVED (µg/L)	4	<0.013	<0.013	--	--	--	--	--	--
38811	FLUOMETURON, DISSOLVED (µg/L)	4	<0.035	<0.035	--	--	--	--	--	--
38478	LINURON, DISSOLVED (µg/L)	4	<0.018	<0.018	--	--	--	--	--	--
38482	MCPA, DISSOLVED (µg/L)	4	<0.170	<0.050	--	--	--	--	--	--
38487	MCPB, DISSOLVED (µg/L)	4	<0.140	<0.035	--	--	--	--	--	--
38501	METHIOCARB, DISSOLVED (µg/L)	4	<0.026	<0.026	--	--	--	--	--	--
49296	METHOMYL, DISSOLVED (µg/L)	4	<0.017	<0.017	--	--	--	--	--	--
49295	1-NAPHTHOL, DISSOLVED (µg/L)	3	<0.007	<0.007	--	--	--	--	--	--
49294	NEBURON, DISSOLVED (µg/L)	4	<0.015	<0.015	--	--	--	--	--	--
49293	NORFLURAZON, DISSOLVED (µg/L)	4	<0.024	<0.024	--	--	--	--	--	--
49292	ORYZALIN, DISSOLVED (µg/L)	4	<0.310	<0.019	--	--	--	--	--	--
38866	OXAMYL, DISSOLVED (µg/L)	4	<0.018	<0.018	--	--	--	--	--	--
49291	PICLORAM, DISSOLVED (µg/L)	4	<0.050	<0.050	--	--	--	--	--	--
49236	PROPHAM, DISSOLVED (µg/L)	4	<0.035	<0.035	--	--	--	--	--	--
38538	PROPOXUR, DISSOLVED (µg/L)	4	<0.035	<0.035	--	--	--	--	--	--
39762	SILVEX, DISSOLVED (µg/L)	4	<0.021	<0.021	--	--	--	--	--	--
49235	TRICLOPYR, DISSOLVED (µg/L)	4	<0.250	<0.050	--	--	--	--	--	--
ORGANIC COMPOUNDS—ORGANONITROGEN, TOTAL										
39057	PROMETRYNE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
39056	PROMETONE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
39054	SIMETRYNE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
81757	CYANAZINE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
77825	ALACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82611	METRIBUZIN, TOTAL (µg/L)	1	0.300	--	--	--	--	--	--	--
30311	TERBACIL, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30245	CARBOXIN, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 71. Statistical summary of water-quality data at site 39 (CSW05), June 1994 through September 1998—Continued

PARAM- ETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS			PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN					
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
30264	HEXAZINONE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30235	BUTACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30236	BUTYLATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
75981	DE-ETHYLATRAZINE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
39630	ATRAZINE, TOTAL (µg/L)	1	0.200	--	--	--	--	--	--	--
39055	SIMAZINE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
39024	PROPAZINE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82184	AMETRYNE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
39030	TRIFLURALIN, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82612	METOLACHLOR, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30234	BROMACIL, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30255	DIPHENAMID, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30324	VERNOLATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30254	CYCLOATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30295	PROPACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
75980	DE-ISOPROPYLATRAZIN, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
ORGANIC COMPOUNDS—HERBICIDES, TOTAL										
39730	2,4-D, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
39760	SILVEX, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
39720	PICLORAM, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
39740	2,4,5-T, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
82183	2,4-DP, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
82052	DICAMBA, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
ORGANIC COMPOUNDS—CARBAMATE PESTICIDES, TOTAL										
39750	SEVIN, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
39051	METHOMYL, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
82619	ALDICARD, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
30296	PROPOXUR, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
39052	PROPHAM, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
82615	CARBOFURAN, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
77441	1-NAPHTHOL, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
30282	METHIOCARB, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 72. Statistical summary of water-quality data at site 40 (CSW03), July 1994 through September 1998

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
PHYSICAL AND CHEMICAL PROPERTIES										
00061	INSTANTANEOUS DISCHARGE (ft ³ /s)	79	21.000	0.000	0.703	2.600	0.340	0.110	0.030	0.010
00010	WATER TEMPERATURE (°C)	79	28.000	2.000	15.196	26.000	21.500	15.500	8.500	3.300
90095	SPECIFIC CONDUCTANCE, LAB (µS/cm at 25 °C)	52	309.000	19.000	67.231	180.300	69.750	53.500	40.000	27.300
00095	SPECIFIC CONDUCTANCE, FIELD (µS/cm at 25 °C)	67	317.000	13.000	63.985	211.200	64.000	47.000	37.000	24.000
00403	pH, LAB (STANDARD pH UNITS)	52	7.600	5.900	6.681	7.470	7.000	6.750	6.225	6.000
00400	pH, FIELD (STANDARD pH UNITS)	67	7.500	6.100	6.763	7.300	7.100	6.700	6.500	6.200
90410	ALKALINITY, LAB (mg/L as CaCO ₃)	52	120.000	1.000	16.090	60.450	17.750	11.000	6.225	2.520
80154	SUSPENDED SEDIMENT (mg/L)	52	5530.000	14.000	381.615	1888.999	312.000	97.000	46.750	17.300
00530	RESIDUE ON EVAPORATION AT 105 °C, SUSPENDED (mg/L)	30	1620.000	8.000	134.300	928.101	154.000	45.500	22.000	8.550
00535	RESIDUE VOLATILE, SUSPENDED (mg/L)	49	586.000	1.000	55.633	327.000	57.500	22.000	9.500	3.000
70300	DISSOLVED SOLIDS, RESIDUE AT 180 °C, SUSPENDED (mg/L)	52	192.000	11.000	52.673	133.100	61.250	47.000	26.000	14.000
00310	5 DAY BIOCHEMICAL OXYGEN DEMAND (mg/L)	39	43.000	1.400	10.464	37.000	10.000	7.100	5.900	2.000
00340	CHEMICAL OXYGEN DEMAND (mg/L)	52	480.000	18.000	76.346	215.000	96.750	53.000	30.000	20.650
NUTRIENTS, TOTAL AND DISSOLVED										
00625	NITROGEN AMMONIA + ORGANIC, TOTAL (mg/L as N)	54	6.600	0.360	1.802	4.725	2.125	1.450	1.000	0.565
00631	NO ₂ + NO ₃ , DISSOLVED (mg/L as N)	54	2.700	0.150	0.730	2.263	0.850	0.540	0.393	0.175
00608	NITROGEN AMMONIA, DISSOLVED (mg/L as N)	54	4.500	0.015	0.425	1.825	0.452	0.200	0.078	0.017
00605	NITROGEN ORGANIC, TOTAL (mg/L as N)	54	3.800	0.280	1.372	3.200	1.750	1.100	0.875	0.410
00600	NITROGEN, TOTAL (mg/L as N)	54	8.000	0.800	2.537	5.425	3.250	2.000	1.475	0.870
00665	PHOSPHORUS, TOTAL (mg/L as P)	54	2.120	0.060	0.435	1.412	0.532	0.335	0.195	0.120
00671	PHOSPHORUS ORTHO, DISSOLVED (mg/L as P)	54	0.790	0.010	0.157	0.530	0.172	0.100	0.060	0.023
OIL AND GREASE, TOTAL										
00556	OIL AND GREASE, TOTAL (mg/L)	7	6.000	<1.000	--	6.000	4.000	3.000	<1.000	<1.000
ORGANIC CARBON, TOTAL										
00680	CARBON ORGANIC, TOTAL (mg/L)	33	76.000	9.300	18.839	55.700	20.000	14.000	12.500	9.370
COLIFORM										
31679	FECAL STREPTOCOCCI (Colonies per 100 mL)	24	640000.000	2100.000	83683.336	560000.000	66750.000	32000.000	9425.000	2500.000
31616	FECAL COLIFORM (Colonies per 100 mL)	24	590000.000	810.000	76225.414	522500.000	81500.000	26000.000	5600.000	957.500
ORGANIC COMPOUNDS—PESTICIDES, TOTAL										
39330	ALDRIN, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39340	LINDANE, TOTAL (µg/L)	4	0.010	<0.010	--	--	--	--	--	--
39350	CHLORDANE, TOTAL (µg/L)	4	0.320	<0.100	--	--	--	--	--	--
39370	DDT, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39365	DDE, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39360	DDD, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39380	DIELDRIN, TOTAL (µg/L)	4	0.010	<0.010	--	--	--	--	--	--
39388	ENDOSULFAN, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39390	ENDRIN, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39410	HEPTACHLOR, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39420	HEPTACHLOR EPOXIDE, TOTAL (µg/L)	4	0.010	<0.010	--	--	--	--	--	--
39516	PCB, TOTAL (µg/L)	4	0.160	<0.100	--	--	--	--	--	--
39400	TOXAPHENE, TOTAL (µg/L)	4	<1.000	<1.000	--	--	--	--	--	--
39034	PERTHANE, TOTAL (µg/L)	4	<0.100	<0.100	--	--	--	--	--	--
39570	DIAZINON, TOTAL (µg/L)	4	0.010	<0.010	--	--	--	--	--	--
39398	ETHION, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39530	MALATHION, TOTAL (µg/L)	4	0.010	<0.010	--	--	--	--	--	--
39600	METHYL PARATHION, TOTAL (µg/L)	4	0.010	<0.010	--	--	--	--	--	--
39540	PARATHION, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39786	TRITHION, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39250	PCN, TOTAL (µg/L)	4	<0.100	<0.100	--	--	--	--	--	--
39480	METHOXYCHLOR, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39755	MIREX, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39011	DISYSTON, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39023	PHORATE, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
38932	CHLORPYRIFOS, TOTAL (µg/L)	4	0.060	<0.010	--	--	--	--	--	--
39040	DEF, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
82614	FONOFOS, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
VOLATILE ORGANIC COMPOUNDS, TOTAL										
34030	BENZENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
32104	BROMOFORM, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
32102	CARBON TETRACHLORIDE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34301	CHLORO BENZENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
32105	CHLORODIBROMOMETHANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34311	CHLOROETHANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
32106	CHLOROFORM, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34496	1,1-DICHLOROETHANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
32103	1,2-DICHLOROETHANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34501	1,1-DICHLOROETHYLENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34541	1,2-DICHLOROPROPANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34371	ETHYLBENZENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34413	METHYL BROMIDE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34423	METHYLENE CHLORIDE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 72. Statistical summary of water-quality data at site 40 (CSW03), July 1994 through September 1998—Continued

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
34475	TETRACHLOROETHYLENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34010	TOLUENE, TOTAL (µg/L)	7	0.900	<0.200	--	0.900	<1.000	<0.800	<0.400	<0.400
34546	1,2-TRANS-DICHLOROETHENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34506	1,1,1-TRICHLOROETHANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34511	1,1,2-TRICHLOROETHANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
39180	TRICHLOROETHYLENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
39175	VINYL CHLORIDE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
30217	DIBROMOMETHANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
32101	DICHLOROBROMOMETHANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34668	DICHLORODIFLUOROMETHANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34488	TRICHLOROFUOROMETHANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77651	1,2-DIBROMOETHANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34418	METHYLCHLORIDE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34704	CIS 1,3-DICHLOROPROPENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34699	TRANS 1,3-DICHLOROPROPENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77128	STYRENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
81551	XYLENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
82625	DIBROMOCHLOROPROPANE, TOTAL (µg/L)	7	<5.000	<1.000	--	--	--	--	--	--
77168	1,1-DICHLOROPROPENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77170	2,2-DICHLOROPROPANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77173	1,3-DICHLOROPROPANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77275	O-CHLOROTOLUENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77277	P-CHLOROTOLUENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77443	123-TRICHLOROPROPANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77562	1112-TETRACHLOROETHANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
78032	TERTBUTYL METHYL ETHER, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77297	BROMOCHLORO METHANE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77093	CIS-1,2-DICHLOROETHENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (µg/L)	3	<4.000	<1.000	--	--	--	--	--	--
77223	ISOPROPYL BENZENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77224	N-PROPYL BENZENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77353	TERTBUTYL BENZENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77222	PSEUDOCUMENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77350	SEC-BUTYL BENZENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77356	P-ISOPROPYL TOLUENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77342	N-BUTYL BENZENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77613	1,2,3-TRICHLOROEBENZENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77652	FREON-113, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
77226	MESITYLENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
81555	BROMOBENZENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34551	1,2,4-TRICHLOROEBENZENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34536	1,2-DICHLOROEBENZENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34566	1,3-DICHLOROEBENZENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34571	1,4-DICHLOROEBENZENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
39702	HEXACHLOROBTADIENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
34696	NAPHTHALENE, TOTAL (µg/L)	7	<1.000	<0.200	--	--	--	--	--	--
METALS AND MINOR CONSTITUENTS, TOTAL										
01097	ANTIMONY, TOTAL (µg/L as Sb)	39	7.000	<1.000	0.642*	5.000	<1.000	<1.000	<1.000	<1.000
01002	ARSENIC, TOTAL (µg/L as As)	39	4.000	<1.000	1.273*	4.000	2.000	1.000	<1.000	<1.000
01012	BERYLLIUM, TOTAL (µg/L as Be)	9	<10.000	<10.000	--	<10.000	<10.000	<10.000	<10.000	<10.000
01027	CADMIUM, TOTAL (µg/L as Cd)	9	1.000	<1.000	--	1.000	<1.000	<1.000	<1.000	<1.000
01034	CHROMIUM, TOTAL (µg/L as Cr)	39	29.000	2.000	9.462	27.000	12.000	7.000	4.000	2.000
01042	COPPER, TOTAL (µg/L as Cu)	39	50.000	3.000	16.949	41.000	22.000	15.000	8.000	4.000
01051	LEAD, TOTAL (µg/L as Pb)	39	160.000	3.000	21.974	87.000	27.000	13.000	6.000	3.000
71900	MERCURY, TOTAL (µg/L as Hg)	9	0.100	<0.100	--	0.100	<0.100	<0.100	<0.100	<0.100
01067	NICKEL, TOTAL (µg/L as Ni)	39	23.000	1.000	6.821	16.000	9.000	7.000	4.000	2.000
01147	SELENIUM, TOTAL (µg/L as Se)	9	<1.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
01077	SILVER, TOTAL (µg/L as Ag)	9	<1.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
01092	ZINC, TOTAL (µg/L as Zn)	38	490.000	30.000	100.000	262.000	110.000	75.000	60.000	30.000
00720	CYANIDE, TOTAL (mg/L as Cn)	9	0.010	<0.010	--	0.010	<0.010	<0.010	<0.010	<0.010
ORGANIC COMPOUNDS—PESTICIDES, DISSOLVED										
49260	ACETOCHLOR, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
46342	ALACHLOR, DISSOLVED (µg/L)	3	0.011	<0.002	--	--	--	--	--	--
04040	DEETHYL ATRAZINE, DISSOLVED (µg/L)	3	0.006	<0.002	--	--	--	--	--	--
39632	ATRAZINE, DISSOLVED (µg/L)	3	0.029	<0.001	--	--	--	--	--	--
82686	METHYL AZINPHOS, DISSOLVED (µg/L)	3	<0.001	<0.001	--	--	--	--	--	--
82673	BENFLURALIN, DISSOLVED (µg/L)	3	0.037	<0.002	--	--	--	--	--	--
04028	BUTYLATE, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
82680	CARBARYL, DISSOLVED (µg/L)	3	0.787	0.133	--	--	--	--	--	--
82674	CARBOFURAN, DISSOLVED (µg/L)	3	<0.003	<0.003	--	--	--	--	--	--
38933	CHLORPYRIFOS, DISSOLVED (µg/L)	3	0.009	<0.004	--	--	--	--	--	--
04041	CYANAZINE, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82682	DCPA, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
34653	P,P' DDE, DISSOLVED (µg/L)	3	<0.006	<0.006	--	--	--	--	--	--
39572	DIAZINON, DISSOLVED (µg/L)	3	0.012	<0.002	--	--	--	--	--	--
39381	DELDRIN, DISSOLVED (µg/L)	3	<0.001	<0.001	--	--	--	--	--	--
82660	2,6-DIETHYL ANILINE, DISSOLVED (µg/L)	3	<0.003	<0.003	--	--	--	--	--	--
82677	DISULFOTON, DISSOLVED (µg/L)	3	<0.017	<0.017	--	--	--	--	--	--
82668	EPTC, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
82663	ETHALFLURALIN, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82672	ETHOPROP, DISSOLVED (µg/L)	3	<0.003	<0.003	--	--	--	--	--	--
04095	FONOFOS, DISSOLVED (µg/L)	3	<0.003	<0.003	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 72. Statistical summary of water-quality data at site 40 (CSW03), July 1994 through September 1998—Continued

PARAM- ETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
34253	ALPHA BHC, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
39341	LINDANE, DISSOLVED (µg/L)	3	0.006	<0.004	--	--	--	--	--	--
82666	LINURON, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
39532	MALATHION, DISSOLVED (µg/L)	3	0.022	<0.005	--	--	--	--	--	--
82667	METHYL PARATHION, DISSOLVED (µg/L)	3	0.033	<0.006	--	--	--	--	--	--
39415	METOLACHLOR, DISSOLVED (µg/L)	3	0.038	<0.002	--	--	--	--	--	--
82630	METRIBUZIN, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82671	MOLINATE, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82684	NAPROPAMIDE, DISSOLVED (µg/L)	3	<0.003	<0.003	--	--	--	--	--	--
39542	PARATHION, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82669	PEBULATE, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82683	PENDIMETHALIN, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82687	PERMETHRIN, DISSOLVED (µg/L)	3	<0.005	<0.005	--	--	--	--	--	--
82664	PHORATE, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
82676	PRONAMIDE, DISSOLVED (µg/L)	3	<0.003	<0.003	--	--	--	--	--	--
04037	PROMETON, DISSOLVED (µg/L)	3	<0.018	<0.018	--	--	--	--	--	--
04024	PROPACHLOR, DISSOLVED (µg/L)	3	<0.007	<0.007	--	--	--	--	--	--
82679	PROPANIL, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82685	PROPARGITE, DISSOLVED (µg/L)	3	<0.013	<0.013	--	--	--	--	--	--
04035	SIMAZINE, DISSOLVED (µg/L)	3	<0.005	<0.005	--	--	--	--	--	--
82681	THIOBENCARB, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
82670	TEBUTHIURON, DISSOLVED (µg/L)	3	0.020	<0.010	--	--	--	--	--	--
82665	TERBACIL, DISSOLVED (µg/L)	3	<0.007	<0.007	--	--	--	--	--	--
82675	TERBUFOS, DISSOLVED (µg/L)	3	<0.013	<0.013	--	--	--	--	--	--
82678	TRIALATE, DISSOLVED (µg/L)	3	<0.001	<0.001	--	--	--	--	--	--
82661	TRIFLURALIN, DISSOLVED (µg/L)	3	0.023	<0.002	--	--	--	--	--	--
39742	2,4,5-T, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
39732	2,4-D, DISSOLVED (µg/L)	3	<0.150	<0.035	--	--	--	--	--	--
38746	2,4-DB, DISSOLVED (µg/L)	3	<0.240	<0.035	--	--	--	--	--	--
49315	ACIFLUORFEN, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
49312	ALDICARB, DISSOLVED (µg/L)	3	<0.550	<0.016	--	--	--	--	--	--
49313	ALDICARB SULFONE, DISSOLVED (µg/L)	3	<0.100	<0.016	--	--	--	--	--	--
49314	ALDICARB SULFOXIDE, DISSOLVED (µg/L)	3	<0.021	<0.021	--	--	--	--	--	--
38711	BENTAZON, DISSOLVED (µg/L)	3	<0.014	<0.014	--	--	--	--	--	--
04029	BROMACIL, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
49311	BROMOXNYL, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
49310	CARBARYL, DISSOLVED (µg/L)	3	0.540	<0.008	--	--	--	--	--	--
49309	CARBOFURAN, DISSOLVED (µg/L)	3	<0.120	<0.028	--	--	--	--	--	--
49308	3-HYDROXY-CARBOFURAN (µg/L)	3	<0.014	<0.014	--	--	--	--	--	--
49307	AMIBEN, DISSOLVED (µg/L)	3	<0.420	<0.011	--	--	--	--	--	--
49306	CHLOROTHALONIL, DISSOLVED (µg/L)	3	<0.480	<0.035	--	--	--	--	--	--
49305	CLOPYRALID, DISSOLVED (µg/L)	3	<0.230	<0.050	--	--	--	--	--	--
49304	DACTHALMONO-ACID, DISSOLVED (µg/L)	3	<0.017	<0.017	--	--	--	--	--	--
38442	DICAMBA, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
49303	DICHLORBENIL, DISSOLVED (µg/L)	2	<1.200	<0.020	--	--	--	--	--	--
49302	DICHLORPROP, DISSOLVED (µg/L)	3	0.090	<0.032	--	--	--	--	--	--
49301	DINOSEB, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
49300	DIURON, DISSOLVED (µg/L)	3	<2.470	<0.020	--	--	--	--	--	--
49299	4,6-DINITRO OCRE SOL, DISSOLVED (µg/L)	3	<0.420	<0.035	--	--	--	--	--	--
49298	ESFENVALERATE, DISSOLVED (µg/L)	2	<0.019	<0.019	--	--	--	--	--	--
49297	FENURON, DISSOLVED (µg/L)	3	<0.013	<0.013	--	--	--	--	--	--
38811	FLUOMETURON, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
38478	LINURON, DISSOLVED (µg/L)	3	<0.018	<0.018	--	--	--	--	--	--
38482	MCPA, DISSOLVED (µg/L)	3	<0.170	<0.050	--	--	--	--	--	--
38487	MCPB, DISSOLVED (µg/L)	3	<0.140	<0.035	--	--	--	--	--	--
38501	METHIOCARB, DISSOLVED (µg/L)	3	<0.026	<0.026	--	--	--	--	--	--
49296	METHOMYL, DISSOLVED (µg/L)	3	<0.017	<0.017	--	--	--	--	--	--
49295	1-NAPHTHOL, DISSOLVED (µg/L)	2	<0.007	<0.007	--	--	--	--	--	--
49294	NEBURON, DISSOLVED (µg/L)	3	<0.015	<0.015	--	--	--	--	--	--
49293	NORFLURAZON, DISSOLVED (µg/L)	3	<0.024	<0.024	--	--	--	--	--	--
49292	ORYZALIN, DISSOLVED (µg/L)	3	<0.310	<0.019	--	--	--	--	--	--
38866	OXAMYL, DISSOLVED (µg/L)	3	<0.018	<0.018	--	--	--	--	--	--
49291	PICLORAM, DISSOLVED (µg/L)	3	<0.050	<0.050	--	--	--	--	--	--
49236	PROPHAM, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
38538	PROPOXUR, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
39762	SILVEX, DISSOLVED (µg/L)	3	<0.021	<0.021	--	--	--	--	--	--
49235	TRICLOPYR, DISSOLVED (µg/L)	3	<0.250	<0.050	--	--	--	--	--	--
ORGANIC COMPOUNDS—ORGANONITROGEN, TOTAL										
39057	PROMETRYNE, TOTAL (µg/L)	1	0.100	--	--	--	--	--	--	--
39056	PROMETONE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
39054	SIMETRYNE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
81757	CYANAZINE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
77825	ALACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82611	METRIBUZIN, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30311	TERBACIL, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30245	CARBOXIN, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30264	HEXAZINONE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30235	BUTACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30236	BUTYLATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
75981	DE-ETHYLATRAZINE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
39630	ATRAZINE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
39055	SIMAZINE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--

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* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 72. Statistical summary of water-quality data at site 40 (CSW03), July 1994 through September 1998—Continued

PARAM- ETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS			PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN					
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
39024	PROPAZINE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82184	AMETRYNE, TOTAL (µg/L)	1	0.100	--	--	--	--	--	--	--
39030	TRIFLURALIN, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82612	METOLACHLOR, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30234	BROMACIL, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30255	DIPHENAMID, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30324	VERNOLATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30254	CYCLOATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30295	PROPACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
75980	DE-ISOPROPYLATRAZIN, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
ORGANIC COMPOUNDS—HERBICIDES, TOTAL										
39730	2,4-D, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
39760	SILVEX, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
39720	PICLORAM, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
39740	2,4,5-T, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
82183	2,4-DP, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
82052	DICAMBA, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
ORGANIC COMPOUNDS—CARBAMATE PESTICIDES, TOTAL										
39750	SEVIN, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
39051	METHOMYL, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
82619	ALDICARD, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
30296	PROPOXUR, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
39052	PROPHAM, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
82615	CARBOFURAN, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
77441	1-NAPHTHOL, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
30282	METHIOCARB, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 73. Statistical summary of water-quality data at site 41 (CSW02), May 1994 through September 1998

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
PHYSICAL AND CHEMICAL PROPERTIES										
00061	INSTANTANEOUS DISCHARGE (ft ³ /s)	98	253.000	0.030	15.850	99.150	7.625	1.200	0.390	0.158
00010	WATER TEMPERATURE (°C)	90	28.000	5.100	16.477	26.545	20.125	16.500	13.250	6.870
90095	SPECIFIC CONDUCTANCE, LAB (µS/cm at 25 °C)	64	265.000	18.000	75.875	166.500	131.500	49.500	30.200	20.500
00095	SPECIFIC CONDUCTANCE, FIELD (µS/cm at 25 °C)	79	252.000	16.000	73.418	165.000	130.000	44.000	25.000	18.000
00403	pH, LAB (STANDARD pH UNITS)	64	7.400	5.600	6.711	7.200	6.900	6.800	6.425	5.825
00400	pH, FIELD (STANDARD pH UNITS)	75	7.200	5.900	6.760	7.100	6.900	6.800	6.600	6.300
90410	ALKALINITY, LAB (mg/L as CaCO ₃)	63	61.000	2.000	19.567	55.000	30.000	10.000	6.000	3.200
80154	SUSPENDED SEDIMENT (mg/L)	67	9370.000	7.000	259.104	669.200	156.000	46.000	26.000	9.000
00530	RESIDUE ON EVAPORATION AT 105 °C, SUSPENDED (mg/L)	39	9800.000	4.000	342.256	708.000	150.000	22.000	14.000	7.000
00535	RESIDUE VOLATILE, SUSPENDED (mg/L)	62	1090.000	<1.000	38.687*	123.000	30.000	7.000	3.000	<1.000
70300	DISSOLVED SOLIDS, RESIDUE AT 180 °C (mg/L)	62	224.000	6.000	59.435	148.900	101.750	39.000	20.000	13.450
00310	5 DAY BIOCHEMICAL OXYGEN DEMAND (mg/L)	48	30.000	<2.000	7.843*	20.000	9.200	5.800	3.700	<2.000
00340	CHEMICAL OXYGEN DEMAND (mg/L)	63	250.000	<5.000	43.184*	120.000	47.000	30.000	20.000	<10.000
NUTRIENTS, TOTAL AND DISSOLVED										
00625	NITROGEN AMMONIA + ORGANIC, TOTAL (mg/L as N)	65	16.000	0.300	1.676	7.710	1.550	0.900	0.660	0.319
00631	NO ₂ + NO ₃ , DISSOLVED (mg/L as N)	65	1.800	0.100	0.633	1.518	1.090	0.410	0.240	0.119
00608	NITROGEN AMMONIA, DISSOLVED (mg/L as N)	65	1.600	0.023	0.297	1.189	0.405	0.190	0.100	0.053
00605	NITROGEN ORGANIC, TOTAL (mg/L as N)	65	16.000	0.160	1.387	6.810	1.250	0.720	0.435	0.203
00600	NITROGEN, TOTAL (mg/L as N)	65	17.000	0.540	2.307	8.670	2.150	1.500	1.150	0.645
00665	PHOSPHORUS, TOTAL (mg/L as P)	65	1.580	0.060	0.344	1.100	0.410	0.260	0.130	0.060
00671	PHOSPHORUS ORTHO, DISSOLVED (mg/L as P)	65	0.980	0.010	0.158	0.688	0.175	0.100	0.040	0.015
OIL AND GREASE, TOTAL										
00556	OIL AND GREASE, TOTAL (mg/L)	20	5.000	<1.000	1.739*	5.000	2.000	<1.000	<1.000	<1.000
ORGANIC CARBON, TOTAL										
00680	CARBON ORGANIC, TOTAL (mg/L)	40	82.000	2.000	17.270	71.000	16.750	11.000	7.525	2.995
COLIFORM										
31679	FECAL STREPTOCOCCI (Colonies per 100 mL)	32	115000.000	50.000	31411.563	108500.000	59000.000	16500.000	1875.000	349.000
31616	FECAL COLIFORM (Colonies per 100 mL)	32	420000.000	110.000	58085.938	342000.063	47000.000	25500.000	2325.000	214.000
ORGANIC COMPOUNDS—PESTICIDES, TOTAL										
39330	ALDRIN, TOTAL (µg/L)	6	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
39340	LINDANE, TOTAL (µg/L)	6	0.010	<0.010	--	0.010	<0.010	<0.010	<0.010	<0.010
39350	CHLORDANE, TOTAL (µg/L)	6	0.100	<0.100	--	0.100	0.100	<0.100	<0.100	<0.100
39370	DDT, TOTAL (µg/L)	6	0.020	<0.010	--	0.020	<0.010	<0.010	<0.010	<0.010
39365	DDE, TOTAL (µg/L)	6	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
39360	DDD, TOTAL (µg/L)	6	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
39380	DIELDRIN, TOTAL (µg/L)	6	0.020	<0.010	--	0.020	0.010	<0.010	<0.010	<0.010
39388	ENDOSULFAN, TOTAL (µg/L)	6	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
39390	ENDRIN, TOTAL (µg/L)	6	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
39410	HEPTACHLOR, TOTAL (µg/L)	6	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
39420	HEPTACHLOR EPOXIDE, TOTAL (µg/L)	6	0.010	<0.010	--	0.010	<0.010	<0.010	<0.010	<0.010
39516	PCB, TOTAL (µg/L)	6	0.120	<0.100	--	0.120	<0.200	<0.100	<0.100	<0.100
39400	TOXAPHENE, TOTAL (µg/L)	6	<1.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
39034	PERTHANE, TOTAL (µg/L)	6	<0.100	<0.100	--	<0.100	<0.100	<0.100	<0.100	<0.100
39570	DIAZINON, TOTAL (µg/L)	6	0.300	<0.010	--	0.300	0.130	0.010	<0.010	<0.010
39398	ETHION, TOTAL (µg/L)	6	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
39530	MALATHION, TOTAL (µg/L)	6	0.100	<0.010	--	0.100	0.030	<0.010	<0.010	<0.010
39600	METHYL PARATHION, TOTAL (µg/L)	6	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
39540	PARATHION, TOTAL (µg/L)	6	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
39786	TRITHION, TOTAL (µg/L)	6	0.010	<0.010	--	0.010	<0.010	<0.010	<0.010	<0.010
39250	PCN, TOTAL (µg/L)	6	<0.100	<0.100	--	<0.100	<0.100	<0.100	<0.100	<0.100
39480	METHOXYCHLOR, TOTAL (µg/L)	6	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
39755	MIREX, TOTAL (µg/L)	6	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
39011	DISYSTON, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39023	PHORATE, TOTAL (µg/L)	6	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
38932	CHLORPYRIFOS, TOTAL (µg/L)	6	0.050	<0.010	--	0.050	0.010	<0.010	<0.010	<0.010
39040	DEF, TOTAL (µg/L)	6	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
82614	FONOFOS, TOTAL (µg/L)	6	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
VOLATILE ORGANIC COMPOUNDS, TOTAL										
34210	ACROLEIN, TOTAL (µg/L)	1	<20.000	--	--	--	--	--	--	--
34215	ACRYLONITRILE, TOTAL (µg/L)	2	<20.000	<5.000	--	--	--	--	--	--
34030	BENZENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
32104	BROMOFORM, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
32102	CARBON TETRACHLORIDE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34301	CHLOROBENZENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
32105	CHLORODIBROMOMETHANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34311	CHLOROETHANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
32106	CHLOROFORM, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34496	1,1-DICHLOROETHANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
32103	1,2-DICHLOROETHANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34501	1,1-DICHLOROETHYLENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34541	1,2-DICHLOROPROPANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34371	ETHYLBENZENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34413	METHYL BROMIDE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34423	METHYLENE CHLORIDE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 73. Statistical summary of water-quality data at site 41 (CSW02), May 1994 through September 1998—Continued

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
34475	TETRACHLOROETHYLENE, TOTAL (µg/L)	13	1.300	<0.400	0.706*	1.300	0.900	0.600	<0.400	<0.400
34010	TOLUENE, TOTAL (µg/L)	13	8.000	<0.200	1.255*	8.000	0.500	0.224	<2.000	<0.400
34546	1,2-TRANS-DICHLOROETHENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34506	1,1,1-TRICHLOROETHANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34511	1,1,2-TRICHLOROETHANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
39180	TRICHLOROETHYLENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
39175	VINYL CHLORIDE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
30217	DIBROMOMETHANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
32101	DICHLOROBROMOMETHANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34668	DICHLORODIFLUOROMETHANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34488	TRICHLOROPROPYL METHANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77651	1,2-DIBROMOETHANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34418	METHYLCHLORIDE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34704	CIS 1,3-DICHLOROPROPENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34699	TRANS 1,3-DICHLOROPROPENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77128	STYRENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
81551	XYLENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
82625	DIBROMOCHLOROPROPANE, TOTAL (µg/L)	13	<10.000	<1.000	--	--	--	--	--	--
77168	1,1-DICHLOROPROPENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77170	2,2-DICHLOROPROPANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77173	1,3-DICHLOROPROPANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77275	O-CHLOROTOLUENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77277	P-CHLOROTOLUENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77443	123-TRICHLOROPROPANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77562	1112-TETRACHLOROETHANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
78032	TERTBUTYL METHYL ETHER, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77297	BROMOCHLORO METHANE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77093	CIS-1,2-DICHLOROETHENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (µg/L)	8	<10.000	<1.000	--	--	--	--	--	--
77223	ISOPROPYL BENZENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77224	N-PROPYL BENZENE, TOTAL (µg/L)	13	0.600	<0.200	--	0.600	<0.800	<0.400	<0.200	<0.200
77353	TERTBUTYL BENZENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77222	PSEUDOCUMENE, TOTAL (µg/L)	13	6.800	<0.200	--	6.800	<0.800	<0.400	<0.200	<0.200
77350	SEC-BUTYL BENZENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77356	P-ISOPROPYL TOLUENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77342	N-BUTYL BENZENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77613	1,2,3-TRICHLOROBENZENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77652	FRON-113, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
77226	MESITYLENE, TOTAL (µg/L)	13	1.800	<0.200	--	1.800	<0.800	<0.400	<0.200	<0.200
81555	BROMOBENZENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34551	1,2,4-TRICHLOROBENZENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34536	1,2-DICHLOROBENZENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34566	1,3-DICHLOROBENZENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34571	1,4-DICHLOROBENZENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
39702	HEXACHLOROBUTADIENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
34696	NAPHTHALENE, TOTAL (µg/L)	13	<2.000	<0.200	--	--	--	--	--	--
METALS AND MINOR CONSTITUENTS, TOTAL										
01097	ANTIMONY, TOTAL (µg/L as Sb)	43	5.000	<1.000	--	1.000	<1.000	<1.000	<1.000	<1.000
01002	ARSENIC, TOTAL (µg/L as As)	43	17.000	<1.000	0.844*	2.000	<1.000	<1.000	<1.000	<1.000
01012	BERYLLIUM, TOTAL (µg/L as Be)	12	<10.000	<10.000	--	<10.000	<10.000	<10.000	<10.000	<10.000
01027	CADMIUM, TOTAL (µg/L as Cd)	12	<1.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
01034	CHROMIUM, TOTAL (µg/L as Cr)	43	190.000	1.000	10.721	25.200	9.000	4.000	3.000	1.000
01042	COPPER, TOTAL (µg/L as Cu)	43	270.000	<1.000	18.346*	37.000	18.000	10.000	5.000	<1.000
01051	LEAD, TOTAL (µg/L as Pb)	43	190.000	1.000	21.349	86.000	26.000	13.000	6.000	1.200
71900	MERCURY, TOTAL (µg/L as Hg)	12	0.100	<0.100	--	0.100	<0.100	<0.100	<0.100	<0.100
01067	NICKEL, TOTAL (µg/L as Ni)	43	52.000	<1.000	4.485*	10.000	5.000	3.000	1.000	<1.000
01147	SELENIUM, TOTAL (µg/L as Se)	12	1.000	<1.000	--	1.000	<1.000	<1.000	<1.000	<1.000
01077	SILVER, TOTAL (µg/L as Ag)	12	<1.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
01092	ZINC, TOTAL (µg/L as Zn)	43	860.000	10.000	125.814	354.000	150.000	100.000	60.000	20.000
00720	CYANIDE, TOTAL (mg/L as Cn)	12	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
ORGANIC COMPOUNDS—PESTICIDES, DISSOLVED										
49260	ACETOCHLOR, DISSOLVED (µg/L)	4	<0.002	<0.002	--	--	--	--	--	--
46342	ALACHLOR, DISSOLVED (µg/L)	5	<0.009	<0.002	--	--	--	--	--	--
04040	DEETHYL ATRAZINE, DISSOLVED (µg/L)	5	<0.005	<0.002	--	--	--	--	--	--
39632	ATRAZINE, DISSOLVED (µg/L)	5	0.054	<0.017	--	--	--	--	--	--
82686	METHYL AZINPHOS, DISSOLVED (µg/L)	5	<0.050	<0.001	--	--	--	--	--	--
82673	BENFLURALIN, DISSOLVED (µg/L)	5	0.079	<0.002	--	--	--	--	--	--
04028	BUTYLATE, DISSOLVED (µg/L)	5	<0.008	<0.002	--	--	--	--	--	--
82680	CARBARYL, DISSOLVED (µg/L)	5	0.155	<0.003	--	--	--	--	--	--
82674	CARBOFURAN, DISSOLVED (µg/L)	5	<0.013	<0.003	--	--	--	--	--	--
38933	CHLORPYRIFOS, DISSOLVED (µg/L)	5	0.047	<0.004	--	--	--	--	--	--
04041	CYANAZINE, DISSOLVED (µg/L)	5	<0.013	<0.004	--	--	--	--	--	--
82682	DCPA, DISSOLVED (µg/L)	5	0.002	<0.002	--	--	--	--	--	--
34653	P,P' DDE, DISSOLVED (µg/L)	5	<0.010	<0.006	--	--	--	--	--	--
39572	DIAZINON, DISSOLVED (µg/L)	5	0.348	<0.002	--	--	--	--	--	--
39381	DIELDRIN, DISSOLVED (µg/L)	5	0.014	<0.001	--	--	--	--	--	--
82660	2,6-DIETHYL ANILINE, DISSOLVED (µg/L)	5	<0.006	<0.003	--	--	--	--	--	--
82662	DIMETHOATE, DISSOLVED (µg/L)	1	<0.020	--	--	--	--	--	--	--
82677	DISULFOTON, DISSOLVED (µg/L)	5	<0.060	<0.017	--	--	--	--	--	--
82668	EPTC, DISSOLVED (µg/L)	5	<0.005	<0.002	--	--	--	--	--	--
82663	ETHALFLURALIN, DISSOLVED (µg/L)	5	<0.013	<0.004	--	--	--	--	--	--
82672	ETHOPROP, DISSOLVED (µg/L)	5	<0.012	<0.003	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 73. Statistical summary of water-quality data at site 41 (CSW02), May 1994 through September 1998—Continued

PARAM- ETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
04095	FONOFOS, DISSOLVED (µg/L)	5	<0.008	<0.003	--	--	--	--	--	--
34253	ALPHA BHC, DISSOLVED (µg/L)	5	<0.007	<0.002	--	--	--	--	--	--
39341	LINDANE, DISSOLVED (µg/L)	5	<0.011	<0.004	--	--	--	--	--	--
82666	LINURON, DISSOLVED (µg/L)	5	<0.039	<0.002	--	--	--	--	--	--
39532	MALATHION, DISSOLVED (µg/L)	5	0.110	<0.005	--	--	--	--	--	--
82667	METHYL PARATHION, DISSOLVED (µg/L)	5	<0.035	<0.006	--	--	--	--	--	--
39415	METOLACHLOR, DISSOLVED (µg/L)	5	0.035	<0.002	--	--	--	--	--	--
82630	METRIBUZIN, DISSOLVED (µg/L)	5	0.073	<0.004	--	--	--	--	--	--
82671	MOLINATE, DISSOLVED (µg/L)	5	<0.007	<0.004	--	--	--	--	--	--
82684	NAPROPAMIDE, DISSOLVED (µg/L)	5	<0.010	<0.003	--	--	--	--	--	--
39542	PARATHION, DISSOLVED (µg/L)	5	<0.022	<0.004	--	--	--	--	--	--
82669	PEBULATE, DISSOLVED (µg/L)	5	<0.009	<0.004	--	--	--	--	--	--
82683	PENIMETHALIN, DISSOLVED (µg/L)	5	0.180	<0.018	--	--	--	--	--	--
82687	PERMETHRIN, DISSOLVED (µg/L)	5	<0.016	<0.005	--	--	--	--	--	--
82664	PHORATE, DISSOLVED (µg/L)	5	<0.011	<0.002	--	--	--	--	--	--
82676	PRONAMIDE, DISSOLVED (µg/L)	5	<0.009	<0.003	--	--	--	--	--	--
04037	PROMETON, DISSOLVED (µg/L)	5	<0.018	<0.008	--	--	--	--	--	--
40424	PROPACHLOR, DISSOLVED (µg/L)	5	<0.015	<0.007	--	--	--	--	--	--
82679	PROPANIL, DISSOLVED (µg/L)	5	<0.016	<0.004	--	--	--	--	--	--
82685	PROPARGITE, DISSOLVED (µg/L)	5	<0.013	<0.008	--	--	--	--	--	--
04035	SIMAZINE, DISSOLVED (µg/L)	5	<0.008	<0.005	--	--	--	--	--	--
82681	THIOBENCARB, DISSOLVED (µg/L)	5	<0.008	<0.002	--	--	--	--	--	--
82670	TEBUTHIURON, DISSOLVED (µg/L)	5	<0.015	<0.010	--	--	--	--	--	--
82665	TERBACIL, DISSOLVED (µg/L)	5	<0.030	<0.007	--	--	--	--	--	--
82675	TERBUFOS, DISSOLVED (µg/L)	5	<0.013	<0.012	--	--	--	--	--	--
82678	TRIALATE, DISSOLVED (µg/L)	5	<0.008	<0.001	--	--	--	--	--	--
82661	TRIFLURALIN, DISSOLVED (µg/L)	5	0.015	<0.002	--	--	--	--	--	--
39742	2,4,5-T, DISSOLVED (µg/L)	5	<0.050	<0.035	--	--	--	--	--	--
39732	2,4-D, DISSOLVED (µg/L)	5	1.620	<0.035	--	--	--	--	--	--
38746	2,4-DB, DISSOLVED (µg/L)	5	<0.240	<0.035	--	--	--	--	--	--
49315	ACIFLUORFEN, DISSOLVED (µg/L)	5	<0.050	<0.035	--	--	--	--	--	--
49312	ALDICARB, DISSOLVED (µg/L)	5	<0.550	<0.016	--	--	--	--	--	--
49313	ALDICARB SULFONE, DISSOLVED (µg/L)	5	<0.100	<0.016	--	--	--	--	--	--
49314	ALDICARB SULFOXIDE, DISSOLVED (µg/L)	5	<0.050	<0.021	--	--	--	--	--	--
38711	BENTAZON, DISSOLVED (µg/L)	5	<0.050	<0.014	--	--	--	--	--	--
04029	BROMACIL, DISSOLVED (µg/L)	5	<0.050	<0.035	--	--	--	--	--	--
49311	BROMOXYNIL, DISSOLVED (µg/L)	5	<0.050	<0.035	--	--	--	--	--	--
49310	CARBARYL, DISSOLVED (µg/L)	5	<0.050	<0.008	--	--	--	--	--	--
49309	CARBOFURAN, DISSOLVED (µg/L)	5	<0.120	<0.028	--	--	--	--	--	--
49308	3-HYDROXY-CARBOFURAN (µg/L)	5	<0.050	<0.014	--	--	--	--	--	--
49307	AMIBEN, DISSOLVED (µg/L)	5	<0.420	<0.011	--	--	--	--	--	--
49306	CHLOROTHALONIL, DISSOLVED (µg/L)	5	<0.480	<0.035	--	--	--	--	--	--
49305	CLOPYRALID, DISSOLVED (µg/L)	5	<0.230	<0.050	--	--	--	--	--	--
49304	DACTHALMONO-ACID, DISSOLVED (µg/L)	5	<0.050	<0.017	--	--	--	--	--	--
38442	DICAMBA, DISSOLVED (µg/L)	5	0.070	<0.035	--	--	--	--	--	--
49303	DICHOLOBENIL, DISSOLVED (µg/L)	5	<1.200	<0.020	--	--	--	--	--	--
49302	DICHLORPROP, DISSOLVED (µg/L)	5	0.210	<0.032	--	--	--	--	--	--
49301	DINoseb, DISSOLVED (µg/L)	5	<0.050	<0.035	--	--	--	--	--	--
49300	DIURON, DISSOLVED (µg/L)	5	<21.700	<0.020	--	--	--	--	--	--
49299	4,6-DINITRO OCRESOL, DISSOLVED (µg/L)	5	0.050	<0.035	--	--	--	--	--	--
49298	ESFENVALERATE, DISSOLVED (µg/L)	4	<0.050	<0.019	--	--	--	--	--	--
49297	FENURON, DISSOLVED (µg/L)	5	<0.050	<0.013	--	--	--	--	--	--
38811	FLUOMETURON, DISSOLVED (µg/L)	5	<0.050	<0.035	--	--	--	--	--	--
38478	LINURON, DISSOLVED (µg/L)	5	<0.050	<0.018	--	--	--	--	--	--
38482	MCPA, DISSOLVED (µg/L)	5	<0.170	<0.050	--	--	--	--	--	--
38487	MCPB, DISSOLVED (µg/L)	5	<0.140	<0.035	--	--	--	--	--	--
38501	METHIOCARB, DISSOLVED (µg/L)	5	<0.050	<0.026	--	--	--	--	--	--
49296	METHOMYL, DISSOLVED (µg/L)	5	<0.050	<0.017	--	--	--	--	--	--
49295	1-NAPHTHOL, DISSOLVED (µg/L)	4	<0.050	<0.007	--	--	--	--	--	--
49294	NEBURON, DISSOLVED (µg/L)	5	<0.050	<0.015	--	--	--	--	--	--
49293	NORFLURAZON, DISSOLVED (µg/L)	5	<0.050	<0.024	--	--	--	--	--	--
49292	ORYZALIN, DISSOLVED (µg/L)	5	<0.310	<0.019	--	--	--	--	--	--
38866	OXAMYL, DISSOLVED (µg/L)	5	<0.050	<0.018	--	--	--	--	--	--
49291	PICLORAM, DISSOLVED (µg/L)	5	<0.050	<0.050	--	--	--	--	--	--
49236	PROPHAM, DISSOLVED (µg/L)	5	<0.050	<0.035	--	--	--	--	--	--
38538	PROPOXUR, DISSOLVED (µg/L)	5	<0.050	<0.035	--	--	--	--	--	--
39762	SILVEX, DISSOLVED (µg/L)	5	<0.050	<0.021	--	--	--	--	--	--
49235	TRICLOPYR, DISSOLVED (µg/L)	5	<0.250	<0.050	--	--	--	--	--	--
ORGANIC COMPOUNDS—ORGANONITROGEN, TOTAL										
39057	PROMETRYNE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
39056	PROMETONE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
39054	SIMETRYNE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
81757	CYANAZINE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
77825	ALACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82611	METRIBUZIN, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30311	TERBACIL, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30245	CARBOXIN, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30264	HEXAZINONE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30235	BUTACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30236	BUTYLATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
75981	DE-ETHYLATRAZINE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
39630	ATRAZINE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 73. Statistical summary of water-quality data at site 41 (CSW02), May 1994 through September 1998—Continued

PARAM- ETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS			PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN					
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
39055	SIMAZINE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
39024	PROPAZINE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82184	AMETRYNE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
39030	TRIFLURALIN, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82612	METOLACHLOR, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30234	BROMACIL, TOTAL (µg/L)	1	0.300	--	--	--	--	--	--	--
30255	DIPHENAMID, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30324	VERNOLATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30254	CYCLOATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30295	PROPACHLOR, TOTAL (µg/L)	1	0.100	--	--	--	--	--	--	--
75980	DE-ISOPROPYLATRAZIN, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
ORGANIC COMPOUNDS—HERBICIDES, TOTAL										
39730	2,4-D, TOTAL (µg/L)	1	2.400	--	--	--	--	--	--	--
39760	SILVEX, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
39720	PICLORAM, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
39740	2,4,5-T, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
82183	2,4-DP, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
82052	DICAMBA, TOTAL (µg/L)	1	0.380	--	--	--	--	--	--	--
ORGANIC COMPOUNDS—CARBAMATE PESTICIDES, TOTAL										
39750	SEVIN, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
39051	METHOMYL, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
82619	ALDICARD, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
30296	PROPOXUR, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
39052	PROPHAM, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
82615	CARBOFURAN, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
77441	1-NAPHTHOL, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
30282	METHIOCARB, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 74. Statistical summary of water-quality data at site 42 (CSW04), May 1994 through September 1998

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS			PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN					
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
PHYSICAL AND CHEMICAL PROPERTIES										
00061	INSTANTANEOUS DISCHARGE (ft ³ /s)	93	229.000	0.020	15.378	81.000	13.000	2.000	0.700	0.114
00010	WATER TEMPERATURE (°C)	85	25.000	2.500	14.865	23.500	20.000	15.500	9.400	3.500
90095	SPECIFIC CONDUCTANCE, LAB (µS/cm at 25 °C)	56	550.000	26.000	117.018	417.650	138.250	70.500	45.500	29.550
00095	SPECIFIC CONDUCTANCE, FIELD (µS/cm at 25 °C)	67	425.000	19.000	103.507	307.800	130.000	65.000	49.000	24.600
00403	pH, LAB (STANDARD pH UNITS)	56	7.600	5.700	6.809	7.515	7.100	6.850	6.400	6.085
00400	pH, FIELD (STANDARD pH UNITS)	67	7.700	6.200	6.931	7.300	7.000	6.900	6.800	6.540
90410	ALKALINITY, LAB (mg/L as CaCO ₃)	56	133.000	6.000	26.973	117.550	26.750	14.000	9.475	6.000
80154	SUSPENDED SEDIMENT (mg/L)	59	1500.000	4.000	262.237	1390.000	240.000	95.000	54.000	23.000
00530	RESIDUE ON EVAPORATION AT 105 °C, SUSPENDED (mg/L)	31	776.000	1.000	135.290	713.600	158.000	62.000	25.000	5.800
90535	RESIDUE VOLATILE, SUSPENDED (mg/L)	54	172.000	1.000	25.148	105.250	28.250	12.500	7.750	1.750
70300	DISSOLVED SOLIDS, RESIDUE AT 180 °C (mg/L)	56	340.000	1.000	81.679	242.000	95.750	56.500	34.250	18.250
00310	5 DAY BIOCHEMICAL OXYGEN DEMAND (mg/L)	41	42.000	2.000	10.956	31.000	14.000	7.400	5.250	2.020
00340	CHEMICAL OXYGEN DEMAND (mg/L)	56	220.000	5.000	54.446	171.500	71.750	38.500	29.250	13.500
NUTRIENTS, TOTAL AND DISSOLVED										
00625	NITROGEN AMMONIA + ORGANIC, TOTAL (mg/L as N)	57	11.000	0.400	2.041	6.420	2.150	1.400	1.000	0.498
00631	NO ₂ + NO ₃ , DISSOLVED (mg/L as N)	56	1.700	0.110	0.581	1.388	0.780	0.500	0.303	0.180
00608	NITROGEN AMMONIA, DISSOLVED (mg/L as N)	57	5.200	0.015	0.447	1.730	0.450	0.220	0.120	0.020
00605	NITROGEN ORGANIC, TOTAL (mg/L as N)	57	5.800	0.250	1.591	5.050	1.650	1.100	0.870	0.475
00600	NITROGEN, TOTAL (mg/L as N)	57	12.000	0.790	2.609	8.020	2.800	2.000	1.300	0.924
00665	PHOSPHORUS, TOTAL (mg/L as P)	57	4.600	0.060	0.534	1.370	0.595	0.380	0.210	0.078
00671	PHOSPHORUS ORTHO, DISSOLVED (mg/L as P)	57	4.800	0.010	0.321	1.108	0.360	0.140	0.060	0.020
OIL AND GREASE, TOTAL										
00556	OIL AND GREASE, TOTAL (mg/L)	20	5.000	<1.000	1.503*	3.000	2.000	1.000	<1.000	<1.000
ORGANIC CARBON, TOTAL										
00680	CARBON ORGANIC, TOTAL (mg/L)	35	49.000	6.800	17.977	45.000	24.000	14.000	11.000	7.440
COLIFORM										
31679	FECAL STREPTOCOCCI (Colonies per 100 mL)	36	54000.000	2000.000	66763.891	336000.375	66250.000	21000.000	5100.000	2340.000
31616	FECAL COLIFORM (Colonies per 100 mL)	36	70000.000	580.000	61437.500	368500.594	71500.000	14500.000	2325.000	622.500
ORGANIC COMPOUNDS—PESTICIDES, TOTAL										
39330	ALDRIN, TOTAL (µg/L)	5	0.040	<0.010	--	--	--	--	--	--
39340	LINDANE, TOTAL (µg/L)	5	0.010	<0.010	--	--	--	--	--	--
39350	CHLORDANE, TOTAL (µg/L)	5	<0.100	<0.100	--	--	--	--	--	--
39370	DDT, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39365	DDE, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39360	DDD, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39380	DIELDRIN, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39388	ENDOSULFAN, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39390	ENDRIN, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39410	HEPTACHLOR, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39420	HEPTACHLOR EPOXIDE, TOTAL (µg/L)	5	0.010	<0.010	--	--	--	--	--	--
39516	PCB, TOTAL (µg/L)	5	<0.300	<0.100	--	--	--	--	--	--
39400	TOXAPHENE, TOTAL (µg/L)	5	<1.000	<1.000	--	--	--	--	--	--
39034	PERTHANE, TOTAL (µg/L)	5	<0.100	<0.100	--	--	--	--	--	--
39570	DIAZINON, TOTAL (µg/L)	5	0.060	0.010	--	--	--	--	--	--
39398	ETHION, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39530	MALATHION, TOTAL (µg/L)	5	0.010	<0.010	--	--	--	--	--	--
39600	METHYL PARATHION, TOTAL (µg/L)	5	0.010	<0.010	--	--	--	--	--	--
39540	PARATHION, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39786	TRITHION, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39250	PCN, TOTAL (µg/L)	5	<0.100	<0.100	--	--	--	--	--	--
39480	METHOXYCHLOR, TOTAL (µg/L)	5	0.010	<0.010	--	--	--	--	--	--
39755	MIREX, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39011	DISYSTON, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
39023	PHORATE, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
38932	CHLORPYRIFOS, TOTAL (µg/L)	5	0.020	<0.010	--	--	--	--	--	--
39040	DEF, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
82614	FONOFOS, TOTAL (µg/L)	5	<0.010	<0.010	--	--	--	--	--	--
VOLATILE ORGANIC COMPOUNDS, TOTAL										
34210	ACROLEIN, TOTAL (µg/L)	2	<20.000	<20.000	--	--	--	--	--	--
34215	ACRYLONITRILE, TOTAL (µg/L)	2	<20.000	<20.000	--	--	--	--	--	--
34030	BENZENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
32104	BROMOFORM, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
32102	CARBON TETRACHLORIDE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34301	CHLOROETHANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
32105	CHLORODIBROMOMETHANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34311	CHLOROETHANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
32106	CHLOROFORM, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34496	1,1-DICHLOROETHANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
32103	1,2-DICHLOROETHANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34501	1,1-DICHLOROETHYLENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34541	1,2-DICHLOROPROPANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34371	ETHYLBENZENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34413	METHYL BROMIDE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34423	METHYLENE CHLORIDE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 74. Statistical summary of water-quality data at site 42 (CSW04), May 1994 through September 1998—Continued

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34475	TETRACHLOROETHYLENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34010	TOLUENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34546	1,2-TRANS-DICHLOROETHENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34506	1,1,1-TRICHLOROETHANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34511	1,1,2-TRICHLOROETHANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
39180	TRICHLOROETHYLENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
39175	VINYL CHLORIDE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
30217	DIBROMOMETHANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
32101	DICHLOROBROMOMETHANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34668	DICHLORODIFLUOROMETHANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34488	TRICHLOROFUOROMETHANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77651	1,2-DIBROMOETHANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34418	METHYLCHLORIDE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34704	CIS 1,3-DICHLOROPROPENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34699	TRANS 1,3-DICHLOROPROPENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77128	STYRENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
81551	XYLENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
82625	DIBROMOCHLOROPROPANE, TOTAL (µg/L)	14	<40.000	<1.000	--	--	--	--	--	--
77168	1,1-DICHLOROPROPENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77170	2,2-DICHLOROPROPANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77173	1,3-DICHLOROPROPANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77275	O-CHLOROTOLUENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77277	P-CHLOROTOLUENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77443	123-TRICHLOROPROPANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77562	1112-TETRACHLOROETHANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
78032	TERTBUTYL METHYL ETHER, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77297	BROMOCHLORO METHANE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77093	CIS-1,2-DICHLOROETHENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (µg/L)	10	<40.000	<1.000	--	--	--	--	--	--
77223	ISOPROPYL BENZENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77224	N-PROPYL BENZENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77353	TERTBUTYL BENZENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77222	PSEUDOCUMENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77350	SEC-BUTYL BENZENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77356	P-ISOPROPYL TOLUENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77342	N-BUTYL BENZENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77613	1,2,3-TRICHLOROBENZENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77652	FREON-113, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
77226	MESITYLENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
81555	BROMOBENZENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34551	1,2,4-TRICHLOROBENZENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34536	1,2-DICHLOROBENZENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34566	1,3-DICHLOROBENZENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34571	1,4-DICHLOROBENZENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
39702	HEXACHLOROBUTADIENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
34696	NAPHTHALENE, TOTAL (µg/L)	14	<8.000	<0.200	--	--	--	--	--	--
METALS AND MINOR CONSTITUENTS, TOTAL										
01097	ANTIMONY, TOTAL (µg/L as Sb)	39	8.000	<1.000	0.930*	5.000	1.000	<1.000	<1.000	<1.000
01002	ARSENIC, TOTAL (µg/L as As)	39	28.000	<1.000	1.878*	5.000	2.000	1.000	<1.000	<1.000
01012	BERYLLIUM, TOTAL (µg/L as Be)	12	<10.000	<10.000	--	<10.000	<10.000	<10.000	<10.000	<10.000
01027	CADMIUM, TOTAL (µg/L as Cd)	12	1.000	<1.000	--	1.000	<1.000	<1.000	<1.000	<1.000
01034	CHROMIUM, TOTAL (µg/L as Cr)	39	68.000	1.000	12.077	35.000	17.000	7.000	3.000	2.000
01042	COPPER, TOTAL (µg/L as Cu)	39	110.000	4.000	29.590	87.000	40.000	21.000	15.000	4.000
01051	LEAD, TOTAL (µg/L as Pb)	39	130.000	<1.000	18.291*	73.000	19.000	11.000	8.000	<1.000
71900	MERCURY, TOTAL (µg/L as Hg)	12	0.110	<0.100	--	0.110	<0.100	<0.100	<0.100	<0.100
01067	NICKEL, TOTAL (µg/L as Ni)	39	24.000	<1.000	6.365*	14.000	8.000	6.000	3.000	<1.000
01147	SELENIUM, TOTAL (µg/L as Se)	12	<1.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
01077	SILVER, TOTAL (µg/L as Ag)	12	<1.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
01092	ZINC, TOTAL (µg/L as Zn)	39	320.000	20.000	111.795	280.000	140.000	100.000	60.000	40.000
00720	CYANIDE, TOTAL (mg/L as Cn)	12	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
ORGANIC COMPOUNDS—PESTICIDES, DISSOLVED										
49260	ACETOCHLOR, DISSOLVED (µg/L)	2	<0.002	<0.002	--	--	--	--	--	--
46342	ALACHLOR, DISSOLVED (µg/L)	3	<0.009	<0.002	--	--	--	--	--	--
04040	DEETHYL ATRAZINE, DISSOLVED (µg/L)	3	<0.005	<0.002	--	--	--	--	--	--
39632	ATRAZINE, DISSOLVED (µg/L)	3	0.019	0.011	--	--	--	--	--	--
82686	METHYL AZINPHOS, DISSOLVED (µg/L)	3	<0.050	<0.001	--	--	--	--	--	--
82673	BENFLURALIN, DISSOLVED (µg/L)	3	<0.013	<0.002	--	--	--	--	--	--
04028	BUTYLATE, DISSOLVED (µg/L)	3	<0.008	<0.002	--	--	--	--	--	--
82680	CARBARYL, DISSOLVED (µg/L)	3	0.221	0.016	--	--	--	--	--	--
82674	CARBOFURAN, DISSOLVED (µg/L)	3	<0.013	<0.003	--	--	--	--	--	--
38933	CHLORPYRIFOS, DISSOLVED (µg/L)	3	<0.008	<0.004	--	--	--	--	--	--
04041	CYANAZINE, DISSOLVED (µg/L)	3	<0.013	<0.004	--	--	--	--	--	--
82682	DCPA, DISSOLVED (µg/L)	3	0.004	<0.002	--	--	--	--	--	--
34653	P,P' DDE, DISSOLVED (µg/L)	3	<0.010	<0.006	--	--	--	--	--	--
39572	DIAZINON, DISSOLVED (µg/L)	3	0.037	<0.002	--	--	--	--	--	--
39381	DIELDRIN, DISSOLVED (µg/L)	3	<0.008	<0.001	--	--	--	--	--	--
82660	2,6-DIETHYL ANILINE, DISSOLVED (µg/L)	3	<0.006	<0.003	--	--	--	--	--	--
82662	DIMETHOATE, DISSOLVED (µg/L)	1	<0.020	--	--	--	--	--	--	--
82677	DISULFOTON, DISSOLVED (µg/L)	3	<0.060	<0.017	--	--	--	--	--	--
82668	EPTC, DISSOLVED (µg/L)	3	<0.005	<0.002	--	--	--	--	--	--
82663	ETHALFLURALIN, DISSOLVED (µg/L)	3	<0.013	<0.004	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 74. Statistical summary of water-quality data at site 42 (CSW04), May 1994 through September 1998—Continued

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
82672	ETHOPROP, DISSOLVED (µg/L)	3	<0.012	<0.003	--	--	--	--	--	--
04095	FONOFOS, DISSOLVED (µg/L)	3	<0.008	<0.003	--	--	--	--	--	--
34253	ALPHA BHC, DISSOLVED (µg/L)	3	<0.007	<0.002	--	--	--	--	--	--
39341	LINDANE, DISSOLVED (µg/L)	3	<0.011	<0.004	--	--	--	--	--	--
82666	LINURON, DISSOLVED (µg/L)	3	<0.039	<0.002	--	--	--	--	--	--
39532	MALATHION, DISSOLVED (µg/L)	3	0.029	<0.014	--	--	--	--	--	--
82667	METHYL PARATHION, DISSOLVED (µg/L)	3	<0.035	<0.006	--	--	--	--	--	--
39415	METOLACHLOR, DISSOLVED (µg/L)	3	0.010	<0.002	--	--	--	--	--	--
82630	METRIBUZIN, DISSOLVED (µg/L)	3	<0.012	<0.004	--	--	--	--	--	--
82671	MOLINATE, DISSOLVED (µg/L)	3	<0.007	<0.004	--	--	--	--	--	--
82684	NAPROPAMIDE, DISSOLVED (µg/L)	3	<0.010	<0.003	--	--	--	--	--	--
39542	PARATHION, DISSOLVED (µg/L)	3	<0.022	<0.004	--	--	--	--	--	--
82669	PEBULATE, DISSOLVED (µg/L)	3	<0.009	<0.004	--	--	--	--	--	--
82683	PENDIMETHALIN, DISSOLVED (µg/L)	3	0.210	<0.018	--	--	--	--	--	--
82687	PERMETHRIN, DISSOLVED (µg/L)	3	<0.016	<0.005	--	--	--	--	--	--
82664	PHORATE, DISSOLVED (µg/L)	3	<0.011	<0.002	--	--	--	--	--	--
82676	PRONAMIDE, DISSOLVED (µg/L)	3	<0.009	<0.003	--	--	--	--	--	--
04037	PROMETON, DISSOLVED (µg/L)	3	0.027	<0.018	--	--	--	--	--	--
04024	PROPACHLOR, DISSOLVED (µg/L)	3	<0.015	<0.007	--	--	--	--	--	--
82679	PROPANIL, DISSOLVED (µg/L)	3	<0.016	<0.004	--	--	--	--	--	--
82685	PROPARGITE, DISSOLVED (µg/L)	3	<0.013	<0.008	--	--	--	--	--	--
04035	SIMAZINE, DISSOLVED (µg/L)	3	<0.008	<0.005	--	--	--	--	--	--
82681	THIOBENCARB, DISSOLVED (µg/L)	3	<0.008	<0.002	--	--	--	--	--	--
82670	TEBUTHIURON, DISSOLVED (µg/L)	3	0.055	<0.010	--	--	--	--	--	--
82665	TERBACIL, DISSOLVED (µg/L)	3	<0.030	<0.007	--	--	--	--	--	--
82675	TERBUFOS, DISSOLVED (µg/L)	3	<0.013	<0.012	--	--	--	--	--	--
82678	TRIALATE, DISSOLVED (µg/L)	3	<0.008	<0.001	--	--	--	--	--	--
82661	TRIFLURALIN, DISSOLVED (µg/L)	3	<0.012	<0.002	--	--	--	--	--	--
39742	2,4,5-T, DISSOLVED (µg/L)	4	<0.050	<0.035	--	--	--	--	--	--
39732	2,4-D, DISSOLVED (µg/L)	4	1.180	<0.035	--	--	--	--	--	--
38746	2,4-DB, DISSOLVED (µg/L)	4	<0.240	<0.035	--	--	--	--	--	--
49315	ACIFLUFORFEN, DISSOLVED (µg/L)	4	<0.050	<0.035	--	--	--	--	--	--
49312	ALDICARB, DISSOLVED (µg/L)	4	<0.550	<0.016	--	--	--	--	--	--
49313	ALDICARB SULFONE, DISSOLVED (µg/L)	4	<0.100	<0.016	--	--	--	--	--	--
49314	ALDICARB SULFOXIDE, DISSOLVED (µg/L)	4	<0.050	<0.021	--	--	--	--	--	--
38711	BENTAZON, DISSOLVED (µg/L)	4	<0.050	<0.014	--	--	--	--	--	--
04029	BROMACIL, DISSOLVED (µg/L)	4	<0.050	<0.035	--	--	--	--	--	--
49311	BROMOXYNIL, DISSOLVED (µg/L)	4	<0.050	<0.035	--	--	--	--	--	--
49310	CARBARYL, DISSOLVED (µg/L)	4	<0.050	<0.008	--	--	--	--	--	--
49309	CARBOFURAN, DISSOLVED (µg/L)	4	<0.120	<0.028	--	--	--	--	--	--
49308	3-HYDROXY-CARBOFURAN (µg/L)	4	<0.050	<0.014	--	--	--	--	--	--
49307	AMIBEN, DISSOLVED (µg/L)	4	<0.420	<0.011	--	--	--	--	--	--
49306	CHLOROTHALONIL, DISSOLVED (µg/L)	4	<0.480	<0.035	--	--	--	--	--	--
49305	CLOPYRALID, DISSOLVED (µg/L)	4	<0.230	<0.050	--	--	--	--	--	--
49304	DACTHALMONO-ACID, DISSOLVED (µg/L)	4	<0.050	<0.017	--	--	--	--	--	--
38442	DICAMBA, DISSOLVED (µg/L)	4	<0.050	<0.035	--	--	--	--	--	--
49303	DICHOLOBENIL, DISSOLVED (µg/L)	4	<1.200	<0.020	--	--	--	--	--	--
49302	DICHLORPROP, DISSOLVED (µg/L)	4	<0.050	<0.032	--	--	--	--	--	--
49301	DINOSEB, DISSOLVED (µg/L)	4	<0.050	<0.035	--	--	--	--	--	--
49300	DIURON, DISSOLVED (µg/L)	4	<5.160	<0.020	--	--	--	--	--	--
49299	4,6-DINITRO OCRE SOL, DISSOLVED (µg/L)	4	<0.420	<0.035	--	--	--	--	--	--
49298	ESFENVALERATE, DISSOLVED (µg/L)	3	<0.050	<0.019	--	--	--	--	--	--
49297	FENURON, DISSOLVED (µg/L)	4	<0.050	<0.013	--	--	--	--	--	--
38811	FLUOMETURON, DISSOLVED (µg/L)	4	<0.050	<0.035	--	--	--	--	--	--
38478	LINURON, DISSOLVED (µg/L)	4	<0.050	<0.018	--	--	--	--	--	--
38482	MCPA, DISSOLVED (µg/L)	4	<0.170	<0.050	--	--	--	--	--	--
38487	MCPB, DISSOLVED (µg/L)	4	<0.140	<0.035	--	--	--	--	--	--
38501	METHIOCARB, DISSOLVED (µg/L)	4	<0.050	<0.026	--	--	--	--	--	--
49296	METHOMYL, DISSOLVED (µg/L)	4	<0.050	<0.017	--	--	--	--	--	--
49295	1-NAPHTHOL, DISSOLVED (µg/L)	3	<0.050	<0.007	--	--	--	--	--	--
49294	NEBURON, DISSOLVED (µg/L)	4	<0.050	<0.015	--	--	--	--	--	--
49293	NORFLURAZON, DISSOLVED (µg/L)	4	<0.050	<0.024	--	--	--	--	--	--
49292	ORYZALIN, DISSOLVED (µg/L)	4	<0.310	<0.019	--	--	--	--	--	--
38866	OXAMYL, DISSOLVED (µg/L)	4	<0.050	<0.018	--	--	--	--	--	--
49291	PICLORAM, DISSOLVED (µg/L)	4	<0.050	<0.050	--	--	--	--	--	--
49236	PROPHAM, DISSOLVED (µg/L)	4	<0.050	<0.035	--	--	--	--	--	--
38538	PROPOKUR, DISSOLVED (µg/L)	4	<0.050	<0.035	--	--	--	--	--	--
39762	SILVEX, DISSOLVED (µg/L)	4	<0.050	<0.021	--	--	--	--	--	--
49235	TRICLOPYR, DISSOLVED (µg/L)	4	<0.250	<0.050	--	--	--	--	--	--
ORGANIC COMPOUNDS—ORGANONITROGEN, TOTAL										
39057	PROMETRYNE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
39056	PROMETONE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
39054	SIMETRYNE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
81757	CYANAZINE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
77825	ALACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82611	METRIBUZIN, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30311	TERBACIL, TOTAL (µg/L)	1	0.300	--	--	--	--	--	--	--
30245	CARBOXIN, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30264	HEXAZINONE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30235	BUTACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30236	BUTYLATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
75981	DE-ETHYLATRAZINE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 74. Statistical summary of water-quality data at site 42 (CSW04), May 1994 through September 1998—Continued

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS			PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN					
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
39630	ATRAZINE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
39055	SIMAZINE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
39024	PROPAZINE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82184	AMETRYNE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
39030	TRIFLURALIN, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82612	METOLACHLOR, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30234	BROMACIL, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30255	DIPHENAMID, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30324	VERNOLATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30254	CYCLOATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30295	PROPACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
75980	DE-ISOPROPYLATRAZIN, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
ORGANIC COMPOUNDS—HERBICIDES, TOTAL										
39730	2,4-D, TOTAL (µg/L)	1	3.700	--	--	--	--	--	--	--
39760	SILVEX, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
39720	PICLORAM, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
39740	2,4,5-T, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
82183	2,4-DP, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
82052	DICAMBA, TOTAL (µg/L)	1	0.650	--	--	--	--	--	--	--
ORGANIC COMPOUNDS—CARBAMATE PESTICIDES, TOTAL										
39750	SEVIN, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
39051	METHOMYL, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
82619	ALDICARD, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
30296	PROPOXUR, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
39052	PROPHAM, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
82615	CARBOFURAN, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
77441	1-NAPHTHOL, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
30282	METHIOCARB, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 75. Statistical summary of water-quality data at site 43 (CSW07), June 1994 through September 1998

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS			PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN					
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
PHYSICAL AND CHEMICAL PROPERTIES										
00061	INSTANTANEOUS DISCHARGE (ft ³ /s)	85	344.000	0.030	12.183	36.000	11.000	2.700	0.950	0.193
00010	WATER TEMPERATURE (°C)	84	29.200	4.900	16.573	26.950	21.375	18.350	9.425	6.500
90095	SPECIFIC CONDUCTANCE, LAB (µS/cm at 25 °C)	59	1120.000	33.000	121.983	248.000	141.000	93.000	70.000	37.000
00095	SPECIFIC CONDUCTANCE, FIELD (µS/cm at 25 °C)	79	1150.000	26.000	115.101	231.000	135.000	88.000	63.000	33.000
00403	pH, LAB (STANDARD pH UNITS)	59	8.100	6.200	6.986	7.700	7.200	7.000	6.600	6.300
00400	pH, FIELD (STANDARD pH UNITS)	76	7.900	6.600	7.042	7.415	7.200	7.000	6.900	6.700
90410	ALKALINITY, LAB (mg/L as CaCO ₃)	58	145.000	8.000	30.069	87.100	36.750	22.000	16.000	10.950
80154	SUSPENDED SEDIMENT (mg/L)	61	19400.000	42.000	2311.853	13180.005	2200.000	789.000	264.500	87.500
00530	RESIDUE ON EVAPORATION AT 105 °C, SUSPENDED (mg/L)	30	23900.000	11.000	2173.933	16805.010	1797.500	648.500	110.000	14.300
00535	RESIDUE VOLATILE, SUSPENDED (mg/L)	51	2200.000	1.000	188.569	1180.000	139.000	51.000	21.000	2.600
70300	DISSOLVED SOLIDS, RESIDUE AT 180 °C (mg/L)	58	602.000	22.000	86.879	234.800	85.250	64.000	47.750	27.900
00310	5 DAY BIOCHEMICAL OXYGEN DEMAND (mg/L)	40	27.000	<2.000	7.374*	19.000	8.800	5.500	3.100	<2.000
00340	CHEMICAL OXYGEN DEMAND (mg/L)	59	650.000	5.000	64.627	250.000	67.000	41.000	21.000	7.000
NUTRIENTS, TOTAL AND DISSOLVED										
00625	NITROGEN AMMONIA + ORGANIC, TOTAL (mg/L as N)	61	7.800	0.330	1.905	5.670	2.350	1.300	0.845	0.449
00631	NO ₂ + NO ₃ , DISSOLVED (mg/L as N)	60	1.310	0.050	0.303	0.889	0.380	0.240	0.132	0.050
00608	NITROGEN AMMONIA, DISSOLVED (mg/L as N)	60	1.100	0.015	0.197	0.884	0.230	0.120	0.050	0.017
00605	NITROGEN ORGANIC, TOTAL (mg/L as N)	61	7.700	0.240	1.712	5.490	1.800	1.100	0.765	0.385
00600	NITROGEN, TOTAL (mg/L as N)	61	8.300	0.450	2.204	5.940	3.000	1.500	1.000	0.622
00665	PHOSPHORUS, TOTAL (mg/L as P)	61	33.500	0.110	3.312	14.560	2.935	1.000	0.520	0.194
00671	PHOSPHORUS ORTHO, DISSOLVED (mg/L as P)	60	1.230	<0.010	0.121*	0.620	0.090	0.050	0.020	<0.010
OIL AND GREASE, TOTAL										
00556	OIL AND GREASE, TOTAL (mg/L)	15	4.000	<1.000	1.451*	4.000	2.000	1.000	<1.000	<1.000
ORGANIC CARBON, TOTAL										
00680	CARBON ORGANIC, TOTAL (mg/L)	34	56.000	4.400	17.035	35.750	21.250	16.000	11.375	6.650
COLIFORM										
31679	FECAL STREPTOCOCCI (Colonies per 100 mL)	26	70000.000	80.000	20948.076	69650.000	32000.000	10900.000	4125.000	146.500
31616	FECAL COLIFORM (Colonies per 100 mL)	26	92000.0001	160.000	16988.846	77649.984	25750.000	11150.000	1200.000	167.000
ORGANIC COMPOUNDS—PESTICIDES, TOTAL										
39330	ALDRIN, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39340	LINDANE, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39350	CHLORDANE, TOTAL (µg/L)	4	<0.100	<0.100	--	--	--	--	--	--
39370	DDT, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39365	DDE, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39360	DDD, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39380	DIELDRIN, TOTAL (µg/L)	4	<0.020	<0.010	--	--	--	--	--	--
39388	ENDOSULFAN, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39390	ENDRIN, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39410	HEPTACHLOR, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39420	HEPTACHLOR EPOXIDE, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39516	PCB, TOTAL (µg/L)	4	<0.400	<0.100	--	--	--	--	--	--
39400	TOXAPHENE, TOTAL (µg/L)	4	<1.000	<1.000	--	--	--	--	--	--
39034	PERTHANE, TOTAL (µg/L)	4	<0.100	<0.100	--	--	--	--	--	--
39570	DIAZINON, TOTAL (µg/L)	4	0.080	0.010	--	--	--	--	--	--
39398	ETHION, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39530	MALATHION, TOTAL (µg/L)	4	0.020	<0.010	--	--	--	--	--	--
39600	METHYL PARATHION, TOTAL (µg/L)	4	0.010	<0.010	--	--	--	--	--	--
39540	PARATHION, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39786	TRITHION, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39250	PCN, TOTAL (µg/L)	4	<0.100	<0.100	--	--	--	--	--	--
39480	METHOXYCHLOR, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39755	MIREX, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39011	DISYSTON, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
39023	PHORATE, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
38932	CHLORPYRIFOS, TOTAL (µg/L)	4	0.050	<0.010	--	--	--	--	--	--
39040	DEF, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
82614	FONOFOS, TOTAL (µg/L)	4	<0.010	<0.010	--	--	--	--	--	--
VOLATILE ORGANIC COMPOUNDS, TOTAL										
34210	ACROLEIN, TOTAL (µg/L)	1	<20.000	--	--	--	--	--	--	--
34215	ACRYLONITRILE, TOTAL (µg/L)	2	<20.000	<5.000	--	--	--	--	--	--
34030	BENZENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
32104	BROMOFORM, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
32102	CARBON TETRACHLORIDE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34301	CHLORO BENZENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
32105	CHLORODIBROMOMETHANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34311	CHLOROETHANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
32106	CHLOROFORM, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34496	1,1-DICHLOROETHANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
32103	1,2-DICHLOROETHANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34501	1,1-DICHLOROETHYLENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34541	1,2-DICHLOROPROPANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34371	ETHYLBENZENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34413	METHYL BROMIDE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34423	METHYLENE CHLORIDE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 75. Statistical summary of water-quality data at site 43 (CSW07), June 1994 through September 1998—Continued

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34475	TETRACHLOROETHYLENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34010	TOLUENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34546	1,2-TRANS-DICHLOROETHENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34506	1,1,1-TRICHLOROETHANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34511	1,1,2-TRICHLOROETHANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
39180	TRICHLOROETHYLENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
39175	VINYL CHLORIDE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
30217	DIBROMOMETHANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
32101	DICHLOROBROMOMETHANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34668	DICHLORODIFLUOROMETHANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34488	TRICHLOROFUOROMETHANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77651	1,2-DIBROMOETHANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34418	METHYLCHLORIDE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34704	CIS 1,3-DICHLOROPROPENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34699	TRANS 1,3-DICHLOROPROPENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77128	STYRENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
81551	XYLENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
82625	DIBROMOCHLOROPROPANE, TOTAL (µg/L)	10	<10.000	<1.000	--	--	--	--	--	--
77168	1,1-DICHLOROPROPENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77170	2,2-DICHLOROPROPANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77173	1,3-DICHLOROPROPANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77275	O-CHLOROTOLUENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77277	P-CHLOROTOLUENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77443	1,2,3-TRICHLOROPROPANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77562	1,1,1,2-TETRACHLOROETHANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
78032	TERTBUTYL METHYL ETHER, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77297	BROMOCHLORO METHANE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77093	CIS-1,2-DICHLOROETHENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (µg/L)	6	<2.000	<1.000	--	--	--	--	--	--
77223	ISOPROPYL BENZENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77224	N-PROPYL BENZENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77353	TERTBUTYL BENZENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77222	PSEUDOCUMENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77350	SEC-BUTYL BENZENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77356	P-ISOPROPYL TOLUENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77342	N-BUTYL BENZENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77613	1,2,3-TRICHLOROBENZENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77652	FREON-113, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
77226	MESITYLENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
81555	BROMOBENZENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34551	1,2,4-TRICHLOROBENZENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34536	1,2-DICHLOROBENZENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34566	1,3-DICHLOROBENZENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34571	1,4-DICHLOROBENZENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
39702	HEXACHLOROBUTADIENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
34696	NAPHTHALENE, TOTAL (µg/L)	10	<2.000	<0.200	--	--	--	--	--	--
METALS AND MINOR CONSTITUENTS, TOTAL										
01097	ANTIMONY, TOTAL (µg/L as Sb)	43	20.000	<1.000	2.280*	17.000	<5.000	<1.000	<1.000	<1.000
01002	ARSENIC, TOTAL (µg/L as As)	43	59.000	<1.000	11.469*	41.000	20.000	2.000	<1.000	<1.000
01012	BERYLLIUM, TOTAL (µg/L as Be)	14	710.000	<10.000	--	710.000	<10.000	<10.000	<10.000	<10.000
01027	CADMIUM, TOTAL (µg/L as Cd)	13	<1.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
01034	CHROMIUM, TOTAL (µg/L as Cr)	43	1100.000	6.000	170.116	744.000	160.000	62.000	27.000	7.600
01042	COPPER, TOTAL (µg/L as Cu)	43	1200.000	3.000	163.279	798.000	240.000	44.000	14.000	3.800
01051	LEAD, TOTAL (µg/L as Pb)	43	140.000	1.000	28.140	122.200	34.000	12.000	6.000	1.200
71900	MERCURY, TOTAL (µg/L as Hg)	42	0.700	<0.100	0.160*	0.700	0.200	<0.100	<0.100	<0.100
01067	NICKEL, TOTAL (µg/L as Ni)	43	1200.000	3.000	146.605	816.000	160.000	45.000	19.000	4.600
01147	SELENIUM, TOTAL (µg/L as Se)	13	2.000	<1.000	--	2.000	<5.000	<1.000	<1.000	<1.000
01077	SILVER, TOTAL (µg/L as Ag)	13	<1.000	<1.000	--	<1.000	<1.000	<1.000	<1.000	<1.000
01092	ZINC, TOTAL (µg/L as Zn)	42	1800.000	20.000	267.381	822.500	337.500	120.000	57.500	30.000
00720	CYANIDE, TOTAL (mg/L as Cn)	13	<0.010	<0.010	--	<0.010	<0.010	<0.010	<0.010	<0.010
ORGANIC COMPOUNDS—PESTICIDES, DISSOLVED										
49260	ACETOCHLOR, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
46342	ALACHLOR, DISSOLVED (µg/L)	3	0.027	<0.002	--	--	--	--	--	--
04040	DEETHYL ATRAZINE, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
39632	ATRAZINE, DISSOLVED (µg/L)	3	0.018	<0.001	--	--	--	--	--	--
82686	METHYL AZINPHOS, DISSOLVED (µg/L)	3	<0.001	<0.001	--	--	--	--	--	--
82673	BENFLURALIN, DISSOLVED (µg/L)	3	0.011	<0.002	--	--	--	--	--	--
04028	BUTYLATE, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
82680	CARBARYL, DISSOLVED (µg/L)	3	0.310	0.045	--	--	--	--	--	--
82674	CARBOFURAN, DISSOLVED (µg/L)	3	<0.003	<0.003	--	--	--	--	--	--
38933	CHLORPYRIFOS, DISSOLVED (µg/L)	3	0.032	<0.004	--	--	--	--	--	--
04041	CYANAZINE, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82682	DCPA, DISSOLVED (µg/L)	3	0.013	<0.002	--	--	--	--	--	--
34653	P,P' DDE, DISSOLVED (µg/L)	3	<0.006	<0.006	--	--	--	--	--	--
39572	DIAZINON, DISSOLVED (µg/L)	3	0.110	<0.002	--	--	--	--	--	--
39381	DIELDRIN, DISSOLVED (µg/L)	3	<0.001	<0.001	--	--	--	--	--	--
82660	2,6-DIETHYL ANILINE, DISSOLVED (µg/L)	3	<0.003	<0.003	--	--	--	--	--	--
82677	DISULFOTON, DISSOLVED (µg/L)	3	<0.017	<0.017	--	--	--	--	--	--
82668	EPTC, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
82663	ETHALFLURALIN, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82672	ETHOPROP, DISSOLVED (µg/L)	3	<0.003	<0.003	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 75. Statistical summary of water-quality data at site 43 (CSW07), June 1994 through September 1998—Continued

PARAMETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
04095	FONOFOS, DISSOLVED (µg/L)	3	<0.003	<0.003	--	--	--	--	--	--
34253	ALPHA BHC, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
39341	LINDANE, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82666	LINURON, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
39532	MALATHION, DISSOLVED (µg/L)	3	0.029	<0.005	--	--	--	--	--	--
82667	METHYL PARATHION, DISSOLVED (µg/L)	3	<0.006	<0.006	--	--	--	--	--	--
39415	METOLACHLOR, DISSOLVED (µg/L)	3	0.038	0.018	--	--	--	--	--	--
82630	METRIBUZIN, DISSOLVED (µg/L)	3	<0.030	<0.004	--	--	--	--	--	--
82671	MOLINATE, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82684	NAPROPAMIDE, DISSOLVED (µg/L)	3	<0.003	<0.003	--	--	--	--	--	--
39542	PARATHION, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82669	PEBULATE, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82683	PENDIMETHALIN, DISSOLVED (µg/L)	3	0.094	<0.004	--	--	--	--	--	--
82687	PERMETHRIN, DISSOLVED (µg/L)	3	<0.005	<0.005	--	--	--	--	--	--
82664	PHORATE, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
82676	PRONAMIDE, DISSOLVED (µg/L)	3	<0.060	<0.003	--	--	--	--	--	--
04037	PROMETON, DISSOLVED (µg/L)	3	<0.018	<0.018	--	--	--	--	--	--
04024	PROPACHLOR, DISSOLVED (µg/L)	3	<0.007	<0.007	--	--	--	--	--	--
82679	PROPANIL, DISSOLVED (µg/L)	3	<0.004	<0.004	--	--	--	--	--	--
82685	PROPARGITE, DISSOLVED (µg/L)	3	<0.013	<0.013	--	--	--	--	--	--
04035	SIMAZINE, DISSOLVED (µg/L)	3	<0.030	<0.005	--	--	--	--	--	--
82681	THIOBENCARB, DISSOLVED (µg/L)	3	<0.002	<0.002	--	--	--	--	--	--
82670	TEBUTHIURON, DISSOLVED (µg/L)	3	<0.010	<0.010	--	--	--	--	--	--
82665	TERBACIL, DISSOLVED (µg/L)	3	<0.007	<0.007	--	--	--	--	--	--
82675	TERBUFOS, DISSOLVED (µg/L)	3	<0.013	<0.013	--	--	--	--	--	--
82678	TRIALATE, DISSOLVED (µg/L)	3	<0.001	<0.001	--	--	--	--	--	--
82661	TRIFLURALIN, DISSOLVED (µg/L)	3	0.016	0.005	--	--	--	--	--	--
39742	2,4,5-T, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
39732	2,4-D, DISSOLVED (µg/L)	3	1.460	<0.035	--	--	--	--	--	--
38746	2,4-DB, DISSOLVED (µg/L)	3	<0.240	<0.035	--	--	--	--	--	--
49315	ACIFLUORFEN, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
49312	ALDICARB, DISSOLVED (µg/L)	3	<0.550	<0.016	--	--	--	--	--	--
49313	ALDICARB SULFONE, DISSOLVED (µg/L)	3	<0.100	<0.016	--	--	--	--	--	--
49314	ALDICARB SULFOXIDE, DISSOLVED (µg/L)	3	<0.021	<0.021	--	--	--	--	--	--
38711	BENTAZON, DISSOLVED (µg/L)	3	<0.014	<0.014	--	--	--	--	--	--
04029	BROMACIL, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
49311	BROMOXYNIL, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
49310	CARBARYL, DISSOLVED (µg/L)	3	0.150	<0.008	--	--	--	--	--	--
49309	CARBOPURAN, DISSOLVED (µg/L)	3	<0.120	<0.028	--	--	--	--	--	--
49308	3-HYDROXY-CARBOPURAN (µg/L)	3	<0.014	<0.014	--	--	--	--	--	--
49307	AMIBEN, DISSOLVED (µg/L)	3	<0.420	<0.011	--	--	--	--	--	--
49306	CHLOROTHALONIL, DISSOLVED (µg/L)	3	0.800	<0.035	--	--	--	--	--	--
49305	CLOPYRALID, DISSOLVED (µg/L)	3	<0.230	<0.050	--	--	--	--	--	--
49304	DACTHALMONO-ACID, DISSOLVED (µg/L)	3	<0.017	<0.017	--	--	--	--	--	--
38442	DICAMBA, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
49303	DICHOLOBENIL, DISSOLVED (µg/L)	3	<1.200	<0.020	--	--	--	--	--	--
49302	DICHLORPROP, DISSOLVED (µg/L)	3	<0.032	<0.032	--	--	--	--	--	--
49301	DINOSEB, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
49300	DIURON, DISSOLVED (µg/L)	3	<6.350	<0.020	--	--	--	--	--	--
49299	4,6-DINITRO OCREOSOL, DISSOLVED (µg/L)	3	<0.420	<0.035	--	--	--	--	--	--
49298	ESFENVALERATE, DISSOLVED (µg/L)	2	<0.019	<0.019	--	--	--	--	--	--
49297	FENURON, DISSOLVED (µg/L)	3	<0.013	<0.013	--	--	--	--	--	--
38811	FLUOMETURON, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
38478	LINURON, DISSOLVED (µg/L)	3	<0.018	<0.018	--	--	--	--	--	--
38482	MCPA, DISSOLVED (µg/L)	3	<0.170	<0.050	--	--	--	--	--	--
38487	MCPB, DISSOLVED (µg/L)	3	<0.140	<0.035	--	--	--	--	--	--
38501	METHIOCARB, DISSOLVED (µg/L)	3	<0.026	<0.026	--	--	--	--	--	--
49296	METHOMYL, DISSOLVED (µg/L)	3	<0.017	<0.017	--	--	--	--	--	--
49295	1-NAPHTHOL, DISSOLVED (µg/L)	2	<0.007	<0.007	--	--	--	--	--	--
49294	NEBURON, DISSOLVED (µg/L)	3	<0.015	<0.015	--	--	--	--	--	--
49293	NORFLURAZON, DISSOLVED (µg/L)	3	<0.024	<0.024	--	--	--	--	--	--
49292	ORYZALIN, DISSOLVED (µg/L)	3	<0.310	<0.019	--	--	--	--	--	--
38866	OXAMYL, DISSOLVED (µg/L)	3	<0.018	<0.018	--	--	--	--	--	--
49291	PICLORAM, DISSOLVED (µg/L)	3	<0.050	<0.050	--	--	--	--	--	--
49236	PROPHAM, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
38538	PROPOXUR, DISSOLVED (µg/L)	3	<0.035	<0.035	--	--	--	--	--	--
39762	SILVEX, DISSOLVED (µg/L)	3	<0.021	<0.021	--	--	--	--	--	--
49235	TRICLOPYR, DISSOLVED (µg/L)	3	<0.250	<0.050	--	--	--	--	--	--
ORGANIC COMPOUNDS—ORGANONITROGEN, TOTAL										
39057	PROMETRYNE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
39056	PROMETONE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
39054	SIMETRYNE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
81757	CYANAZINE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
77825	ALACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82611	METRIBUZIN, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30311	TERBACIL, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30245	CARBOXIN, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30264	HEXAZINONE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30235	BUTACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30236	BUTYLATE, TOTAL (µg/L)	1	0.200	--	--	--	--	--	--	--
75981	DE-ETHYLATRAZINE, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
39630	ATRAZINE, TOTAL (µg/L)	1	0.200	--	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 75. Statistical summary of water-quality data at site 43 (CSW07), June 1994 through September 1998—Continued

PARAM-ETER CODE	PROPERTY OR CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50% (median)	25%	5%
39055	SIMAZINE, TOTAL (µg/L)	1	0.200	--	--	--	--	--	--	--
39024	PROPAZINE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82184	AMETRYNE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
39030	TRIFLURALIN, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
82612	METOLACHLOR, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
30234	BROMACIL, TOTAL (µg/L)	1	0.300	--	--	--	--	--	--	--
30255	DIPHENAMID, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30324	VERNOLATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30254	CYCLOATE, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
30295	PROPACHLOR, TOTAL (µg/L)	1	<0.100	--	--	--	--	--	--	--
75980	DE-ISOPROPYLATRAZIN, TOTAL (µg/L)	1	<0.200	--	--	--	--	--	--	--
ORGANIC COMPOUNDS—HERBICIDES, TOTAL										
39730	2,4-D, TOTAL (µg/L)	1	0.740	--	--	--	--	--	--	--
39760	SILVEX, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
39720	PICLORAM, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
39740	2,4,5-T, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
82183	2,4-DP, TOTAL (µg/L)	1	<0.010	--	--	--	--	--	--	--
82052	DICAMBA, TOTAL (µg/L)	1	0.170	--	--	--	--	--	--	--
ORGANIC COMPOUNDS—CARBAMATE PESTICIDES, TOTAL										
39750	SEVIN, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
39051	METHOMYL, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
82619	ALDICARD, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
30296	PROPOXUR, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
39052	PROPHAM, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
82615	CARBOFURAN, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
77441	1-NAPHTHOL, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--
30282	METHIOCARB, TOTAL (µg/L)	1	<0.500	--	--	--	--	--	--	--

NOTE: Multiple detection limits during the period of record may result in different values flagged with a "<."

* Value is estimated by using a log-probability regression to predict the values of data below the detection limit.

Table 76. Water-quality data at site 37 (CSW06), July 1997 through September 1998

DATE	TIME	RAINFALL ACCUM (IN) (00045)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG. C) (00010)	SPECIFIC CONDUCT- TANCE LAB (US/CM) (90095)	SPECIFIC CONDUCT- TANCE (US/CM) (00095)	PH WATER RAW LAB (STAN- DARD UNITS) (00403)	PH WATER RAW FIELD (STAN- DARD UNITS) (00400)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CAC03) (90410)	SEDIMENT, SUS- PENDE (MG/L) (80154)	RESIDUE TOTAL AT 185 DEG. C, SUS- PENDE (MG/L) (00520)	RESIDUE VOLATILE, SUS- PENDE (MG/L) (00535)
JUL 1997												
22...	2306	5.91	1.5	27.5	111	103	6.6	6.5	14	221	12 ^o	36
NOV												
12...	2005	1.20	.02	11.0	--	114	--	7.2	--	--	--	--
21...	1158	.73	.81	8.0	83	80	6.8	6.7	12	63	57	14
21...	1352	.73	7.3	9.0	55	51	6.8	6.7	6.0	149	140	22
21...	1447	.73	1.7	9.0	--	48	--	6.5	--	--	--	--
21...	1504	.73	1.2	9.0	53	49	6.8	6.6	6.0	36	25	5
JAN 1998												
22...	2106	.76	.53	6.0	92	85	7.2	6.9	21	41	27	6
22...	2159	.76	1.1	6.0	89	85	7.2	6.9	16	19	14	4
23...	0040	.76	1.4	6.0	49	43	7.2	6.9	11	18	11	3
23...	0931	.76	.34	6.0	62	56	7.2	6.9	16	11	5	1
JUN												
10...	0919	.71	7.0	--	--	56	--	6.7	--	--	--	--
10...	0921	.71	9.0	--	57	52	6.8	6.6	8.0	164	122	19
10...	0934	.71	19	--	46	41	6.7	6.6	6.0	138	119	22
10...	1001	.71	4.1	--	--	41	--	6.8	--	--	--	--
10...	1016	.71	1.8	--	45	40	7.0	6.6	7.0	21	9	5
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	OXYGEN DEMAND, BIO- CHEMICAL 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L) (00556)	
JUL 1997												
22...	117	23	99	3.2	0.450	0.430	2.8	3.7	1.90	1.18	--	
NOV												
12...	--	--	--	--	--	--	--	--	--	--	3	
21...	69	--	42	.98	.520	.120	.86	1.5	.410	.090	--	
21...	46	--	18	1.0	.440	.170	.83	1.4	.670	.110	--	
21...	--	--	--	--	--	--	--	--	--	--	--	
21...	45	--	16	.63	.370	.140	.49	1.0	.350	.110	--	
JAN 1998												
22...	55	4.6	20	.58	.420	.050	.53	1.0	.140	.019	--	
22...	53	5.1	18	.49	.440	.017	.47	.93	.110	.013	--	
23...	31	2.6	14	.41	.170	<.015	.41	.58	.080	.200	--	
23...	43	<2.0	14	.54	.200	<.015	.54	.74	.100	.027	--	
JUN												
10...	--	--	--	--	--	--	--	--	--	--	--	
10...	41	8.9	36	1.3	.440	.130	1.2	1.7	.710	.120	1	
10...	33	7.0	31	1.7	.330	.140	1.6	2.0	.560	.130	--	
10...	--	--	--	--	--	--	--	--	--	--	--	
10...	32	7.8	18	.71	.300	.050	.66	1.0	.200	.080	--	

Table 76. Water-quality data at site 37 (CSW06), July 1997 through September 1998—Continued

DATE	CARBON, OR-GANIC TOTAL (MG/L AS C) (00680)	STREPTOCOCCI, FECAL, (COLS. PER 100 ML) (31679)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC, TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY, TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JUL 1997											
22...	32	--	--	<1	<1	11	23	11	0.20	32	140
NOV											
12...	--	<100	K8800	--	--	--	--	--	--	--	--
21...	11	--	--	<1	<1	7	16	9	<.10	11	80
21...	9.7	--	--	<1	<1	10	19	11	<.10	14	90
21...	--	K1800	2900	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--
JAN 1998											
22...	8.5	--	--	<1	<1	<1	12	2	<.10	6	70
22...	7.3	--	--	<1	<1	<1	5	<1	<.10	3	60
23...	5.9	--	--	<1	2	4	14	4	.20	3	50
23...	--	2300	540	--	--	--	--	--	--	--	--
JUN											
10...	--	--	--	--	--	--	--	--	--	--	--
10...	15	83000	43000	<1	3	12	24	22	<.10	12	130
10...	12	73000	K77000	<1	5	13	27	25	.20	8	190
10...	--	53000	K15000	--	--	--	--	--	--	--	--
10...	--	51000	K66000	--	--	--	--	--	--	--	--

K Results based on colony count outside the acceptable range (nonideal colony count).

Table 77. Water-quality data at site 39 (CSW05), July 1997 through September 1998

DATE	TIME	RAINFALL ACCUM (IN) (00045)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG. C) (00010)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER RAW LAB (STANDARD UNITS) (00403)	PH WATER RAW FIELD (STANDARD UNITS) (00400)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CaCO3) (90410)	SEDIMENT, SUSPENDED (MG/L) (80154)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)
JUL 1997												
22...	2029	8.93	1.6	27.0	65	62	5.7	5.2	5.0	222	160	44
23...	0130	8.93	21	23.0	21	18	6.3	5.5	3.0	153	61	7
23...	0456	8.93	.53	24.0	66	59	6.9	6.2	10	36	24	2
NOV												
12...	1825	1.25	.09	12.0	--	--	--	--	--	--	--	--
12...	1910	1.25	.09	11.5	--	55	--	7.3	--	--	--	--
12...	1935	1.25	.07	11.5	55	51	7.0	6.7	11	49	58	10
12...	2146	1.25	.19	10.5	43	40	7.0	6.8	9.0	58	6	<1
13...	0030	1.25	.09	10.5	53	48	7.1	6.9	12	--	4	<1
13...	1056	1.25	.21	10.0	--	--	--	--	--	--	--	--
JAN 1998												
22...	1842	.75	.17	8.0	162	154	7.1	6.8	13	195	158	45
22...	1935	.75	.30	7.0	67	62	7.1	6.8	10	43	40	12
23...	0004	.75	.36	6.0	49	45	7.0	6.8	10	19	10	3
23...	1017	.75	.07	7.0	116	112	7.4	7.0	25	18	9	2
MAY												
20...	0530	.00	.00	16.5	456	429	8.0	7.6	150	7	27	10
JUN												
10...	0735	.46	.32	20.5	98	93	6.8	6.8	9.0	232	176	50
10...	0741	.46	.36	20.5	--	--	--	--	--	--	--	--
10...	0812	.46	.16	21.0	--	47	--	6.3	--	--	--	--
10...	0837	.46	1.0	21.5	--	22	--	6.8	--	--	--	--
10...	0840	.46	1.6	21.5	27	21	6.7	7.1	5.0	130	116	28
10...	1028	.46	.16	22.0	61	54	7.0	6.8	11	24	14	6
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	OXYGEN DEMAND, BIO-CHEMICAL 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L) (00556)	
JUL 1997												
22...	63	23	140	2.6	0.890	0.690	1.9	3.5	0.390	0.100	--	
23...	19	2.9	10	.47	.260	.080	.39	.73	.220	.120	--	
23...	64	4.9	7	1.0	.680	.130	.87	1.7	.270	.200	--	
NOV												
12...	--	--	--	1.3	.530	.220	1.1	1.8	.440	.190	--	
12...	--	--	--	--	--	--	--	--	--	--	6	
12...	48	14	52	.81	.350	.120	.69	1.2	.310	.130	--	
12...	36	10	36	.73	.240	.040	.69	.97	.240	.080	--	
13...	42	6.1	18	.43	.170	<.015	.43	.60	.120	.050	--	
13...	--	--	--	--	--	--	--	--	--	--	--	
JAN 1998												
22...	102	18	64	1.8	1.56	.420	1.4	3.4	.750	.180	--	
22...	39	4.6	30	.85	.650	.120	.73	1.5	.220	.120	--	
23...	29	<2.0	13	.43	.350	.080	.35	.78	.140	.070	--	
23...	78	<2.0	18	.65	.610	.037	.61	1.3	.200	.070	--	
MAY												
20...	291	4.3	7	.69	.900	<.015	.69	1.6	.120	.044	3	
JUN												
10...	73	18	100	3.0	1.42	.630	2.4	4.4	.620	.080	--	
10...	--	--	--	--	--	--	--	--	--	--	--	
10...	--	--	--	--	--	--	--	--	--	--	4	
10...	--	--	--	--	--	--	--	--	--	--	--	
10...	14	6.5	38	1.2	.270	1.20	.00	1.5	.340	.050	--	
10...	44	6.2	34	1.1	.600	.090	1.0	1.7	.340	.180	--	

Table 77. Water-quality data at site 39 (CSW05), July 1997 through September 1998—Continued

DATE	CARBON, OR-GANIC TOTAL (MG/L AS C) (00680)	STREPTOCOCCI FECAL. (COLS. PER 100 ML) (31679)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC, TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY, TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JUL 1997											
22...	41	--	--	<1	<1	15	24	33	--	8	330
23...	4.2	--	--	<1	<1	9	9	7	--	3	80
23...	--	--	--	--	--	--	--	--	--	--	--
NOV											
12...	--	--	--	<1	2	15	27	31	--	10	300
12...	--	K990	2000	--	--	--	--	--	--	--	--
12...	12	--	--	<1	<1	12	12	20	--	6	200
12...	9.7	--	--	<1	2	10	14	13	--	5	170
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	6600	3900	--	--	--	--	--	--	--	--
JAN 1998											
22...	26	--	--	<1	<1	19	28	29	--	10	270
22...	10	--	--	<1	<1	6	12	10	--	<1	90
23...	5.3	--	--	<1	3	<1	7	4	--	<1	50
23...	--	5800	1100	--	--	--	--	--	--	--	--
MAY											
20...	--	K990	K1900	1	<1	7	16	<1	--	6	20
JUN											
10...	--	--	--	1	6	28	37	60	--	12	430
10...	--	--	--	--	--	--	--	--	--	--	--
10...	14	14000	28000	--	--	--	--	--	--	--	--
10...	10	20000	K8000	--	--	--	--	--	--	--	--
10...	--	--	--	<1	3	65	18	21	--	4	120
10...	--	--	--	--	--	--	--	--	--	--	--

K Results based on colony count outside the acceptable range (nonideal colony count).

Table 78. Water-quality data at site 40 (CSW03), July 1997 through September 1998

DATE	TIME	RAINFALL ACCUM (IN) (00045)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER- ATURE WATER (DEG. C) (00010)	SPECIFIC CONDUCT- TANCE LAB (US/CM) (90095)	SPECIFIC CONDUCT- TANCE (US/CM) (00095)	PH WATER RAW LAB (STAN- DARD UNITS) (00403)	PH WATER RAW FIELD (STAN- DARD UNITS) (00400)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CAC03) (90410)	SEDIMENT, SUS- PENDEED (MG/L) (80154)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	RESIDUE VOLATILE, SUS- PENDEED (MG/L) (00535)
JUL 1997												
22...	2318	4.82	0.34	27.0	53	44	6.8	6.6	8.0	226	184	46
23...	0014	4.82	.81	26.0	68	37	6.9	6.9	24	5530	1620	390
23...	0146	4.82	9.9	24.5	--	25	--	6.4	--	2500	--	--
NOV												
21...	1020	.63	.05	9.0	69	56	6.2	6.3	12	39	39	23
21...	1341	.63	.20	9.0	--	44	--	6.6	--	--	--	--
21...	1358	.63	.27	9.0	48	44	6.7	6.5	10	--	48	21
21...	1438	.63	.03	9.5	43	39	6.8	6.7	9.0	--	46	14
FEB 1998												
03...	0814	1.79	.02	7.5	63	56	7.2	6.9	10	58	49	15
03...	0850	1.79	.03	8.0	--	65	--	7.1	--	--	--	--
03...	1604	1.79	.07	8.5	47	41	7.0	7.1	12	178	172	49
03...	1656	1.79	.27	8.0	35	26	6.9	6.9	10	285	256	73
03...	1814	1.79	.59	7.0	39	32	7.0	6.6	11	245	107	26
03...	2249	1.79	.04	7.5	104	97	7.4	7.0	37	16	14	4
04...	1002	1.79	.05	7.0	--	123	--	7.1	--	--	--	--
JUN												
10...	0806	1.48	.15	21.5	--	30	--	6.7	--	--	--	--
10...	0837	1.48	.76	21.5	33	24	6.7	6.6	5.0	399	227	49
10...	0940	1.48	.04	21.5	54	47	6.9	6.7	12	32	12	6
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	OXYGEN DEMAND, BIO- CHEMICAL 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00825)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	OIL AND GREASE, TOTAL RECO/ GRAV/ METRIC (MG/L) (00558)	
JUL 1997												
22...	48	8.1	74	1.9	1.02	0.320	1.6	2.9	0.560	0.230	--	
23...	55	26	280	3.4	.550	.300	3.1	4.0	2.12	.180	--	
23...	--	--	--	3.7	.400	.190	3.5	4.1	1.75	.100	--	
NOV												
21...	70	--	98	3.8	.900	.830	3.0	4.7	.470	.170	--	
21...	--	--	--	--	--	--	--	--	--	--	--	
21...	59	--	74	1.5	.490	.400	1.1	2.0	.320	.100	--	
21...	50	--	48	1.5	.340	.370	1.1	1.8	.330	.100	--	
FEB 1998												
03...	26	5.9	39	.93	.760	.040	.89	1.7	.120	.030	--	
03...	--	--	--	--	--	--	--	--	--	--	4	
03...	24	8.7	80	1.6	.270	.080	1.5	1.9	.350	.031	--	
03...	11	6.0	22	1.8	.150	.060	1.7	2.0	.440	<.010	--	
03...	18	3.9	43	.97	.160	.110	.86	1.1	.350	.024	--	
03...	56	2.0	23	.36	.450	.080	.28	.81	.150	.029	--	
04...	--	--	--	--	--	--	--	--	--	--	--	
JUN												
10...	--	--	--	--	--	--	--	--	--	--	--	
10...	23	9.0	54	2.2	.440	.120	2.1	2.6	.620	.070	--	
10...	41	7.0	28	1.2	.780	.070	1.1	2.0	.260	.120	--	

Table 78. Water-quality data at site 40 (CSW03), July 1997 through September 1998—Continued

DATE	CARBON, OR-GANIC TOTAL (MG/L AS C) (00680)	STREPTOCOCCI FECAL (COLS. PER 100 ML) (31679)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC, TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY, TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JUL 1997											
22...	14	--	--	<1	1	22	18	15	--	8	100
23...	28	--	--	<1	4	27	30	74	--	16	250
23...	--	--	--	<1	3	29	36	87	--	16	220
NOV											
21...	18	--	--	<1	<1	3	7	5	--	9	70
21...	--	4700	K1400	--	--	--	--	--	--	--	--
21...	13	--	--	<1	<1	12	6	6	--	3	30
21...	--	--	--	--	--	--	--	--	--	--	--
FEB 1998											
03...	11	--	--	<1	<1	2	9	14	--	2	60
03...	--	29000	26000	--	--	--	--	--	--	--	--
03...	19	--	--	<1	1	8	21	27	--	5	110
03...	20	--	--	<1	<1	12	27	29	--	7	110
03...	14	--	--	<1	2	7	15	18	--	2	70
03...	--	--	--	--	--	--	--	--	--	--	--
04...	--	31000	3000	--	--	--	--	--	--	--	--
JUN											
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	<1	4	17	17	17	--	8	70
10...	--	--	--	--	--	--	--	--	--	--	--

K Results based on colony count outside the acceptable range (nonideal colony count).

Table 79. Water-quality data at site 41 (CSW02), July 1997 through September 1998

DATE	TIME	RAINFALL ACCUM (IN) (00045)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG. C) (00010)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER RAW LAB (STANDARD UNITS) (00403)	PH WATER RAW FIELD (STANDARD UNITS) (00400)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CAC03) (90410)	SEDIMENT, SUSPENDED (MG/L) (80154)	RESIDUE TOTAL AT 105 DEG. C. SUSPENDED (MG/L) (00537)	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)
JUL 1997												
22...	2302	4.40	24	24.0	82	77	6.3	7.0	11	9370	9800	1090
22...	2326	4.40	27	28.0	22	18	6.4	7.1	3.0	797	708	88
22...	2340	4.40	50	27.0	18	17	6.5	7.0	4.0	365	282	48
23...	0453	4.40	.12	26.5	62	42	6.7	6.8	6.0	28	21	3
23...	0756	4.40	253	24.0	30	29	6.7	7.2	6.0	392	178	30
NOV												
12...	1824	1.12	.36	14.0	165	159	7.2	6.8	49	26	46	6
12...	1834	1.12	.30	14.0	155	155	7.1	7.1	--	--	--	--
12...	1958	1.12	.40	14.0	69	67	6.9	7.1	12	31	23	2
12...	2224	1.12	.76	13.5	49	48	6.9	7.0	5.0	13	10	1
13...	0032	1.12	.21	12.0	35	31	7.0	6.8	8.0	--	27	3
13...	0822	1.12	.21	11.0	--	--	--	--	--	--	--	--
FEB 1998												
03...	0346	1.23	.60	11.0	117	112	7.0	6.9	29	9	15	4
03...	0840	1.23	1.1	9.5	69	62	6.9	6.9	12	37	39	12
03...	1438	1.23	.22	9.0	48	43	7.0	7.0	11	24	16	6
03...	1659	1.23	7.0	7.5	28	22	6.9	7.0	7.0	157	150	39
03...	2249	1.23	.46	8.5	85	80	7.1	6.9	20	10	8	2
04...	0738	1.23	.44	9.0	--	107	--	6.8	--	--	--	--
MAY												
20...	0845	.00	.09	17.0	167	152	6.9	7.0	55	11	8	3
JUN												
10...	0756	1.53	81	18.0	90	78	7.0	6.7	26	686	218	55
10...	0757	1.53	140	19.0	--	42	--	6.8	--	--	--	--
10...	0800	1.53	150	21.0	--	19	--	6.7	--	--	--	--
10...	0804	1.53	67	21.0	--	--	--	--	--	--	--	--
10...	0815	1.53	4.3	21.0	--	--	--	--	--	--	--	--
10...	0913	1.53	83	20.5	26	21	6.7	6.9	5.0	297	104	24
10...	1023	1.53	.84	21.0	79	73	6.9	6.8	17	61	22	8
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	OXYGEN DEMAND, BIO-CHEMICAL 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	OIL AND GREASE, TOTAL, RECOY GRAVIMETRIC (MG/L) (00556)	
JUL 1997												
22...	77	30	68	2.7	1.08	0.930	1.8	3.8	1.35	<0.010	--	
22...	18	5.8	39	1.1	.230	.200	.90	1.3	.430	.047	--	
22...	16	5.1	31	.85	.220	.130	.72	1.1	.290	.090	--	
23...	38	5.6	18	.76	.600	.260	.50	1.4	.070	.070	--	
23...	30	3.7	34	1.2	.530	.120	1.1	1.7	.410	.160	--	
NOV												
12...	136	15	37	16	1.30	.430	16	17	.370	.190	--	
12...	--	--	--	--	--	--	--	--	--	--	3	
12...	63	20	54	8.4	.590	.600	7.8	9.0	.470	.260	--	
12...	42	14	34	1.1	.410	.270	.83	1.5	.260	.160	--	
13...	--	10	22	.52	.220	.120	.40	.74	.200	.100	--	
13...	--	--	--	--	--	--	--	--	--	--	--	
FEB 1998												
03...	65	4.7	18	1.1	1.42	.290	.81	2.5	.110	.028	--	
03...	30	7.0	25	.80	.750	.160	.64	1.5	.110	.037	5	
03...	21	3.2	16	.51	.370	.060	.45	.88	.100	.013	--	
03...	13	5.4	37	1.2	.110	.080	1.1	1.3	.340	.029	--	
03...	47	2.1	18	.74	1.05	.050	.69	1.8	.160	.031	--	
04...	--	--	--	--	--	--	--	--	--	--	--	
MAY												
20...	124	<2.0	<5	.35	1.19	.023	.33	1.5	.080	.025	2	
JUN												
10...	62	18	88	4.3	.730	.330	4.0	5.0	.760	.050	--	
10...	--	--	--	--	--	--	--	--	--	--	2	
10...	--	--	--	--	--	--	--	--	--	--	--	
10...	--	--	--	--	--	--	--	--	--	--	--	
10...	--	--	--	--	--	--	--	--	--	--	--	
10...	17	6.3	27	1.6	.320	.120	1.5	1.9	.490	.080	--	
10...	59	7.3	30	1.4	1.12	.070	1.3	2.5	.400	.180	--	

Table 79. Water-quality data at site 41 (CSW02), July 1997 through September 1998—Continued

DATE	CARBON, OR-GANIC TOTAL (MG/L AS C) (00680)	STREPTOCOCCI FECAL (COLS. PER 100 ML) (31679)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC, TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY, TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (C1092)
JUL 1997											
22...	38	--	--	<1	17	190	270	190	--	52	860
22...	10	--	--	<1	2	19	22	32	--	7	150
22...	11	--	--	<1	<1	15	18	11	--	10	120
23...	--	--	--	--	--	--	--	--	--	--	--
23...	14	--	--	<1	1	12	16	24	--	6	150
NOV											
12...	9.9	--	--	<1	<1	5	5	7	--	3	100
12...	--	2100	29000	--	--	--	--	--	--	--	--
12...	12	--	--	<1	<1	7	22	13	--	5	140
12...	7.5	--	--	<1	<1	6	13	6	--	3	100
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	7500	2300	--	--	--	--	--	--	--	--
FEB 1998											
03...	6.0	--	--	<1	<1	4	14	8	--	1	80
03...	8.5	22000	3000	<1	<1	2	28	15	--	1	100
03...	--	--	--	--	--	--	--	--	--	--	--
03...	17	--	--	<1	1	8	19	26	--	2	100
03...	--	--	--	--	--	--	--	--	--	--	--
04...	--	3100	2300	--	--	--	--	--	--	--	--
MAY											
20...	--	K720	K630	<1	<1	4	4	2	--	<1	70
JUN											
10...	--	--	--	<1	6	22	37	47	--	8	250
10...	33	75000	K85000	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	99000	K25000	--	--	--	--	--	--	--	--
10...	--	K115000	220000	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--

K Results based on colony count outside the acceptable range (nonideal colony count).

Table 80. Water-quality data at site 42 (CSW04), July 1997 through September 1998

DATE	TIME	RAINFALL ACCUM (IN) (00045)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG. C) (00010)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER RAW LAB (STANDARD UNITS) (00403)	PH WATER RAW FIELD (STANDARD UNITS) (00400)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	SEDIMENT, SUSPENDED (MG/L) (80154)	RESIDUE TOTAL AT 175 DEG C, SUSPENDED (MG/L) (00530)	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)
JUL 1997												
23...	0734	4.40	229	23.0	27	23	6.8	7.3	6.0	1070	672	90
NOV												
12...	1828	1.12	.36	10.5	213	207	7.4	7.0	47	48	45	8
12...	1904	1.12	.56	11.0	--	130	--	7.1	--	--	--	--
12...	2302	1.12	1.3	10.5	57	55	7.1	6.9	12	54	42	7
13...	0036	1.12	.70	10.5	59	55	7.1	7.0	13	23	13	2
13...	0928	1.12	.54	9.5	--	--	--	--	--	--	--	--
FEB 1998												
03...	0802	1.23	.56	7.5	111	106	7.3	7.0	27	27	25	8
03...	0816	1.23	.83	7.5	--	98	--	7.2	--	--	--	--
03...	0921	1.23	2.1	7.5	67	62	7.3	7.0	12	56	57	13
03...	1704	1.23	20	7.5	35	32	7.0	7.0	9.0	240	168	30
03...	2303	1.23	1.4	7.5	68	66	7.1	7.0	21	26	15	4
04...	0919	1.23	1.5	7.0	--	62	--	7.0	--	--	--	--
MAY												
20...	0815	.00	.05	19.5	308	283	7.5	7.3	115	4	9	2
JUN												
10...	0758	1.53	50	20.0	34	27	6.7	6.7	6.0	1490	251	44
10...	0802	1.53	75	20.5	--	22	--	6.8	--	--	--	--
10...	0824	1.53	16	20.0	--	65	--	6.9	--	--	--	--
10...	0837	1.53	100	20.0	50	44	6.6	6.6	6.0	1050	357	54
10...	0840	1.53	95	20.0	--	--	--	--	--	--	--	--
10...	1101	1.53	1.1	21.0	104	99	7.0	6.9	16	49	18	8
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	OXYGEN DEMAND, BIO-CHEMICAL 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2-NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	OIL AND GREASE, TOTAL, RECOV. GRAVIMETRIC (MG/L) (00556)	
JUL 1997												
23...	23	5.3	19	1.6	0.290	0.170	1.4	1.9	0.610	0.120	--	
NOV												
12...	172	31	98	3.0	1.34	1.00	2.0	4.3	.490	.280	--	
12...	--	--	--	--	--	--	--	--	--	--	2	
12...	42	7.5	25	.78	.400	.130	.65	1.2	.190	.070	--	
13...	47	6.8	18	.50	.370	.070	.43	.87	.170	.080	--	
13...	--	--	--	--	--	--	--	--	--	--	--	
FEB 1998												
03...	53	6.3	31	.81	.840	.170	.64	1.6	.090	.040	--	
03...	--	--	--	--	--	--	--	--	--	--	5	
03...	30	6.2	28	1.0	.510	.130	.87	1.5	.130	.048	--	
03...	33	4.2	39	1.1	.110	.090	1.0	1.2	.330	.031	--	
03...	54	2.9	28	.92	.290	.100	.82	1.2	.210	.044	--	
04...	--	--	--	--	--	--	--	--	--	--	--	
MAY												
20...	202	2.2	<5	.48	.310	<.015	.48	.79	.090	.023	2	
JUN												
10...	19	12	46	2.4	.470	.280	2.1	2.9	.750	.050	--	
10...	--	--	--	--	--	--	--	--	--	--	--	
10...	--	--	--	--	--	--	--	--	--	--	<1	
10...	35	7.5	40	2.6	.540	.340	2.3	3.1	1.29	.620	--	
10...	--	--	--	--	--	--	--	--	--	--	--	
10...	80	7.1	36	2.1	.850	.500	1.6	3.0	1.35	.630	--	

Table 80. Water-quality data at site 42 (CSW04), July 1997 through September 1998—Continued

DATE	CARBON, OR-GANIC TOTAL (MG/L AS C) (00680)	STREPTOCOCCI FECAL, (COLS. PER 100 ML) (31679)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC, TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY, TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JUL 1997											
23...	16	--	--	<1	2	26	40	20	--	9	140
NOV											
12...	24	--	--	3	<1	7	19	9	--	8	140
12...	--	2000	K110000	--	--	--	--	--	--	--	--
12...	6.8	--	--	<1	3	7	26	11	--	2	100
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	7200	K5000	--	--	--	--	--	--	--	--
FEB 1998											
03...	8.8	--	--	<1	<1	1	18	10	--	2	70
03...	--	K142000	K580	--	--	--	--	--	--	--	--
03...	9.7	--	--	<1	<1	4	40	13	--	1	140
03...	14	--	--	<1	2	14	36	19	--	3	90
03...	--	--	--	--	--	--	--	--	--	--	--
04...	--	9800	K810	--	--	--	--	--	--	--	--
MAY											
20...	--	3400	2400	1	<1	3	17	<1	--	<1	20
JUN											
10...	--	--	--	<1	5	31	39	130	--	11	180
10...	--	--	--	--	--	--	--	--	--	--	--
10...	17	210000	K73000	--	--	--	--	--	--	--	--
10...	--	--	--	<1	28	35	59	16	--	11	100
10...	19	100000	K67000	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--

K Results based on colony count outside the acceptable range (nonideal colony count).

Table 81. Water-quality data at site 43 (CSW07), July 1997 through September 1998

DATE	TIME	RAINFALL ACCUM (IN) (00045)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG. C) (00010)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER RAW LAB (STANDARD UNITS) (00403)	PH WATER RAW FIELD (STANDARD UNITS) (00400)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	SEDIMENT, SUSPENDED (MG/L) (80154)	RESIDUE TOTAL AT 175 DEG. C, SUSPENDED (MG/L) (00530)	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)
JUL 1997												
23...	0628	0.88	2.0	25.0	174	131	8.1	7.4	70	3680	3300	150
23...	0754	.88	29	23.5	99	81	7.3	7.3	40	13500	11000	1160
NOV												
21...	1058	.64	.27	8.5	--	161	--	6.9	--	--	--	--
21...	1139	.64	2.4	9.0	--	63	--	7.2	--	--	--	--
21...	1334	.64	23	9.0	73	63	7.6	7.3	26	4160	2840	290
21...	1411	.64	8.4	9.0	--	68	--	6.8	--	--	--	--
21...	1504	.64	3.6	9.5	79	74	7.1	7.0	20	848	620	77
JAN 1998												
22...	1942	.78	1.6	7.0	1120	1150	7.2	6.9	23	277	216	35
22...	2114	.78	3.6	6.5	142	142	7.2	7.1	14	398	420	49
23...	0114	.78	11	6.5	56	54	7.1	7.1	11	1130	677	71
23...	0738	.78	1.9	7.0	--	87	--	7.1	--	--	--	--
23...	0745	.78	1.9	7.0	93	88	7.2	7.1	22	171	150	19
MAY												
20...	0645	.00	.16	19.0	210	221	7.5	7.2	72	42	11	2
JUN												
10...	0812	1.02	28	20.0	--	63	--	7.2	--	--	--	--
10...	0816	1.02	36	20.5	55	44	6.9	6.8	--	8680	--	--
10...	0851	1.02	16	21.0	--	67	--	7.0	--	--	--	--
10...	0933	1.02	56	20.5	78	66	6.9	6.8	25	4280	5120	586
10...	1148	1.02	4.3	21.0	59	56	7.1	6.8	14	1950	1500	183
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	OXYGEN DEMAND, BIO-CHEMICAL 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L) (00556)	
JUL 1997												
23...	98	19	180	2.6	0.540	0.900	1.7	3.1	9.70	0.011	--	
23...	47	3.9	<5	3.7	.240	1.00	2.7	3.9	12.4	<.010	--	
NOV												
21...	--	--	--	--	--	--	--	--	--	--	4	
21...	--	--	39	2.4	.760	.530	1.9	3.2	1.47	.021	--	
21...	48	--	14	1.6	.250	.310	1.3	1.9	6.70	.100	--	
21...	--	--	--	--	--	--	--	--	--	--	--	
21...	65	--	31	1.1	.330	.140	.96	1.4	1.58	.100	--	
JAN 1998												
22...	602	9.6	42	1.6	.860	.340	1.3	2.5	.360	<.010	--	
22...	73	3.6	18	.77	.370	.060	.71	1.1	.540	<.010	--	
23...	31	2.5	18	.80	.140	.027	.77	.94	1.56	.012	--	
23...	--	--	--	--	--	--	--	--	--	--	--	
23...	56	<2.0	10	.59	.190	.032	.56	.78	.340	<.010	--	
MAY												
20...	126	2.9	7	.53	.420	<.015	.53	.95	.230	<.010	2	
JUN												
10...	--	--	--	--	--	--	--	--	--	--	--	
10...	30	--	--	3.8	.320	.130	3.7	4.1	7.20	.024	--	
10...	--	--	--	--	--	--	--	--	--	--	1	
10...	41	13	16	5.7	.300	.230	5.5	6.0	12.1	.310	--	
10...	31	5.9	8	1.4	.240	.070	1.3	1.6	2.16	.021	--	

Table 81. Water-quality data at site 43 (CSW07), July 1997 through September 1998—Continued

DATE	CARBON, OR-GANIC TOTAL (MG/L AS C) (00680)	STREPTO-COCCI FECAL (COLS. PER 100 ML) (31679)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC, TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVER-ABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVER-ABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVER-ABLE (UG/L AS PB) (01051)	MERCURY, TOTAL RECOVER-ABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVER-ABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVER-ABLE (UG/L AS ZN) (C1092)
JUL 1997											
23...	15	--	--	<1	22	110	240	36	0.20	160	710
23...	9.5	--	--	<1	34	330	500	83	.70	410	830
NOV											
21...	--	K270	K360	--	--	--	--	--	--	--	--
21...	--	--	--	<1	9	77	100	28	<.10	57	300
21...	8.5	--	--	<1	23	150	270	30	.10	73	310
21...	--	4500	K9300	--	--	--	--	--	--	--	--
21...	--	7100	9100	--	--	--	--	--	--	--	--
JAN 1998											
22...	18	--	--	5	2	27	27	10	.20	31	170
22...	8.3	--	--	<1	<1	29	39	7	.10	23	90
23...	9.3	--	--	<1	<1	41	74	17	<.10	44	90
23...	--	5200	K1400	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--
MAY											
20...	--	K1300	K180	2	<1	12	29	<1	<.10	3	30
JUN											
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	<1	34	490	370	34	.20	140	620
10...	26	45000	33000	--	--	--	--	--	--	--	--
10...	16	69000	K19000	<1	43	340	270	19	.30	250	780
10...	--	--	--	--	--	--	--	--	--	--	--

K Results based on colony count outside the acceptable range (nonideal colony count).

Table 82. Rainfall and streamflow characteristics for the monitored storms at site 37 (CSW06), July 1997 through September 1998

[Peak discharge for event may occur after storm duration ends. Sample types: A - Chemical, nutrients, and metals, B - Organic compounds, C - Volatile compounds, D - Total organic carbon, E - Oil and grease, F - Bacteria]

Date and time storm began	Storm duration ^a (hours)	Total rainfall ^b (inches)	Time first/last samples collected	Total rainfall from beginning of storm to end of sampling	Number of dry days preceding storm ^c	Number of days since last rainfall of > 0.5 Inch	Peak discharge sampled (ft ³ /s)	Peak discharge during the storm duration (ft ³ /s)	Sample types
7/22/97 at 2245	10	5.91	7/22/97 at 2306	.94	<1	<1	1.5	^d	A,D
11/12/97 at 1630	38	1.20	11/12/97 at 2005	.14	10	10	.02	2.0	E,F
11/21/97 at 0935	6	.73	1158/1504	.72	6	7	7.3	7.6	A,D,F
1/22/98 at 1835	19	.76	1/22/98 at 2106 1/23/98 at 0931	.73	2	2	1.4	2.2	A,D,F
6/10/98 at 0750	2	.71	0919/1016	.71	4	5	19	21	A,B,C,D,E,F

^aStorm duration is defined as a period when rainfall does not stop for a time period greater than 4 hours.

^bRainfall from site 37 (CRN28). Total rainfall is the amount of rain that occurred during the storm duration.

^cNumber of dry days is defined as days that ≤ 0.10 inch of rainfall occurred.

^dNot determined.

Table 83. Rainfall and streamflow characteristics for the monitored storms at site 39 (CSW05), July 1997 through September 1998

[Peak discharge for event may occur after storm duration ends. Sample types: A - Chemical, nutrients, and metals, B - Organic compounds, C - Volatile compounds, D - Total organic carbon, E - Oil and grease, F - Bacteria]

Date and time storm began	Storm duration ^a (hours)	Total rainfall ^b (inches)	Time first/last samples collected	Total rainfall from beginning of storm to end of sampling	Number of dry days preceding storm ^c	Number of days since last rainfall of > 0.5 Inch	Peak discharge sampled (ft ³ /s)	Peak discharge during the storm duration (ft ³ /s)	Sample types
7/22/97 at 1545	18	8.93	7/22/97 at 2029 7/23/97 at 0456	6.91	12	24	21	27	A,D
11/12/97 at 1700	33	1.25	11/12/97 at 1825 11/13/97 at 1056	.61	10	10	.21	1.6	A,D,E,F
1/22/98 at 1825	21	.75	1/22/98 at 1842 1/23/98 at 1017	.73	2	2	.36	1.1	A,D,F
6/10/98 at 0610	4	.46	0735/1028	.46	4	≥8	1.6	2.3	A,B,C,D,E,F

^aStorm duration is defined as a period when rainfall does not stop for a time period greater than 4 hours.

^bRainfall from site 15 (CRN03), except event of 7/22/97 when rainfall from site 36 (CRN27) was used. Total rainfall is the amount of rain that occurred during the storm duration.

^cNumber of dry days is defined as days that ≤0.10 inch of rainfall occurred.

Table 84. Rainfall and streamflow characteristics for the monitored storms at site 40 (CSW03), July 1997 through September 1998

[Peak discharge for event may occur after storm duration ends. Sample types: A - Chemical, nutrients, and metals, B - Organic compounds, C - Volatile compounds, D - Total organic carbon, E - Oil and grease, F - Bacteria]

Date and time storm began	Storm duration ^a (hours)	Total rainfall ^b (inches)	Time first/last samples collected	Total rainfall from beginning of storm to end of sampling	Number of dry days preceding storm ^c	Number of days since last rainfall of > 0.5 inch	Peak discharge sampled (ft ³ /s)	Peak discharge during the storm duration (ft ³ /s)	Sample types
7/22/97 at 2025	13	4.82	7/22/97 at 2318 7/23/97 at 0146	1.78	1	1	9.9	≥14	A,D
11/21/97 at 0940	5	.63	1020/1438	.63	6	7	.27	.36	A,D,F
2/2/98 at 2330	47	1.79	2/3/98 at 0814 2/4/98 at 1002	1.57	5	5	.59	.63	A,D,E,F
6/10/98 at 0725	3	1.48	0806/0940	1.39	4	4	.76	1.2	A,B

^aStorm duration is defined as a period when rainfall does not stop for a time period greater than 4 hours.

^bRainfall from site 29 (CRN20). Total rainfall is the amount of rain that occurred during the storm duration.

^cNumber of dry days is defined as days that ≤0.10 inch of rainfall occurred.

Table 85. Rainfall and streamflow characteristics for the monitored storms at site 41 (CSW02), July 1997 through September 1998

[Peak discharge for event may occur after storm duration ends. Sample types: A - Chemical, nutrients, and metals, B - Organic compounds, C - Volatile compounds, D - Total organic carbon, E - Oil and grease, F - Bacteria]

Date and time storm began	Storm duration ^a (hours)	Total rainfall ^b (inches)	Time first/ last samples collected	Total rainfall from beginning of storm to end of sampling	Number of dry days preceding storm ^c	Number of days since last rainfall of > 0.5 inch	Peak discharge sampled (ft ³ /s)	Peak discharge during the storm duration (ft ³ /s)	Sample types
7/22/97 at 2245	11	4.40	7/22/97 at 2302 7/23/97 at 0756	3.52	16	16	253	268	A,D
11/12/97 at 1615	37	1.12	11/12/97 at 1824 11/13/97 at 0822	.57	10	10	.76	2.6	A,D,E,F
2/2/98 at 2225	36	1.23	2/3/98 at 0346 2/4/98 at 0738	1.18	5	5	7.0	8.3	A,D,E,F
6/10/98 at 0740	2	1.53	0756/1023	1.53	4	5	150	172	A,B,C,D,E,F

^aStorm duration is defined as a period when rainfall does not stop for a time period greater than 4 hours.

^bRainfall from site 22 (CRN12). Total rainfall is the amount of rain that occurred during the storm duration.

^cNumber of dry days is defined as days that ≤ 0.10 inch of rainfall occurred.

Table 86. Rainfall and streamflow characteristics for the monitored storms at site 42 (CSW04), July 1997 through September 1998

[Peak discharge for event may occur after storm duration ends. Sample types: A - Chemical, nutrients, and metals, B - Organic compounds, C - Volatile compounds, D - Total organic carbon, E - Oil and grease, F - Bacteria]

Date and time storm began	Storm duration ^a (hours)	Total rainfall ^b (inches)	Time first/ last samples collected	Total rainfall from beginning of storm to end of sampling	Number of dry days preceding storm ^c	Number of days since last rainfall of > 0.5 inch	Peak discharge sampled (ft ³ /s)	Peak discharge during the storm duration (ft ³ /s)	Sample types
7/22/97 at 2245	11	4.40	7/23/97 at 0734	2.87	16	16	229	305	A,D
11/12/97 at 1615	37	1.12	11/12/97 at 1828 11/13/97 at 0928	.58	10	10	1.3	19	A,D,E,F
2/2/98 at 2225	36	1.23	2/3/98 at 0802 2/4/98 at 0919	1.22	5	5	20	26	A,D,E,F
6/10/98 at 0740	2	1.53	0758/1101	1.53	4	5	100	100	A,B,D,E,F

^aStorm duration is defined as a period when rainfall does not stop for a time period greater than 4 hours.

^bRainfall from site 22 (CRN12). Total rainfall is the amount of rain that occurred during the storm duration.

^cNumber of dry days is defined as days that ≤ 0.10 inch of rainfall occurred.

Table 87. Rainfall and streamflow characteristics for the monitored storms at site 43 (CSW07), July 1997 through September 1998

[Peak discharge for event may occur after storm duration ends. Sample types: A - Chemical, nutrients, and metals, B - Organic compounds, C - Volatile compounds, D - Total organic carbon, E - Oil and grease, F - Bacteria]

Date and time storm began	Storm duration ^a (hours)	Total rainfall ^b (Inches)	Time first/ last samples collected	Total rainfall from beginning of storm to end of sampling	Number of dry days preceeding storm ^c	Number of days since last rainfall of > 0.5 inch	Peak discharge sampled (ft ³ /s)	Peak discharge during the storm duration (ft ³ /s)	Sample types
7/23/97 at 0350	6	.88	0628/0754	.79	6	25	29	42	A,D
11/21/97 at 0950	5	.64	1058/1504	.64	6	7	23	24	A,D,E,F
1/22/98 at 1840	17	.78	1/22/98 at 1942 1/23/98 at 0745	.72	2	2	11	12	A,D,F
6/10/98 at 0805	2	1.02	0812/1148	1.02	3	5	56	66	A,B,C,D,E,F

^aStorm duration is defined as a period when rainfall does not stop for a time period greater than 4 hours.

^bRainfall from site 19 (CRN08). Total rainfall is the amount of rain that occurred during the storm duration.

^cNumber of dry days is defined as days that ≤ 0.10 inch of rainfall occurred.