

Rainfall In and Near Du Page County, Illinois, October 1991–September 1995

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U.S. GEOLOGICAL SURVEY

Open-File Report 97–582

Prepared in cooperation with

DU PAGE COUNTY, DEPARTMENT OF ENVIRONMENTAL CONCERNS

Urbana, Illinois
1998



U.S. DEPARTMENT OF THE INTERIOR
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CONVERSION FACTORS AND VERTICAL DATUM

	Multiply	By	To obtain
		Length	
	inch (in)	25.4	millimeter
	foot (ft)	0.3048	meter
	mile (mi)	1.609	kilometer

Temperature in degrees Fahrenheit (°F) may be converted to degrees Celsius (°C) as follows:

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

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.

RAINFALL IN AND NEAR DU PAGE COUNTY, ILLINOIS, OCTOBER 1991–SEPTEMBER 1995

by Timothy D. Straub, Nancy J. Hornewer, and James J. Duncker

ABSTRACT

Twenty-four hour rainfall data are presented for 11 rain gages in and near Du Page County, Illinois. Daily rainfall totals were recorded from October 1, 1991, to September 30, 1995. Station descriptions include site identifiers, locations, drainage basins, types of instrumentation, accuracy, and periods of record. Missing and partial rainfall data, and precipitation totals affected by snowfall have been noted for the periods of record.

INTRODUCTION

Du Page County is approximately 17 mi west of the city of Chicago (fig. 1). Rapid urbanization has affected the hydrology in the county. Storm sewers route runoff into wastewater-treatment plants, man-made detention ponds, or streams. Changes in the hydrologic environment have increased the magnitude and frequency of high flows and have resulted in damage to personal and public property. Mitigating flood damages in urban areas is a difficult task for engineers and planners. Hydrologic data are needed to aid engineers and planners in solving stormwater-management and engineering problems related to flooding.

The Du Page County, Department of Environmental Concerns (DCDEC) developed a countywide, comprehensive, stormwater-management plan in response to State legislation and to address flooding problems. The U.S. Geological Survey (USGS), in cooperation with DCDEC, collected rainfall and streamflow data in three small, urban watersheds. These data are used primarily to simulate storm hydrographs and to evaluate a variety of watershed conditions.

Rainfall data collected in and near Du Page County by the USGS from 1986 to 1991 are presented in Duncker and others (1993). Data were collected at 14 stations throughout this period. Data from 11 of those stations were used during the present study.

Purpose and Scope

The purpose of this report is to present daily rainfall totals collected at the 11 rain gages in and near Du Page County, Ill., from October 1, 1991, to September 30, 1995 (present, as defined in this report). For some stations more current rainfall data are available from the USGS. Station descriptions include site identifiers, locations, drainage basins, types of instrumentation, accuracy, and periods of record.

Acknowledgments

The authors acknowledge the staff of the municipal wastewater-treatment facilities and private land owners who permitted installation and continued operation of rain gages on their property.

DESCRIPTION OF STUDY AREA

The study area is in northeastern Illinois 17 mi west of the city of Chicago (fig. 1). The study area includes Du Page County and parts of the surrounding counties. Three tributaries to the Des Plaines River drain most of the study area. The tributaries generally flow south and include the West and East Branches of the Du Page River and Salt Creek (fig. 1).

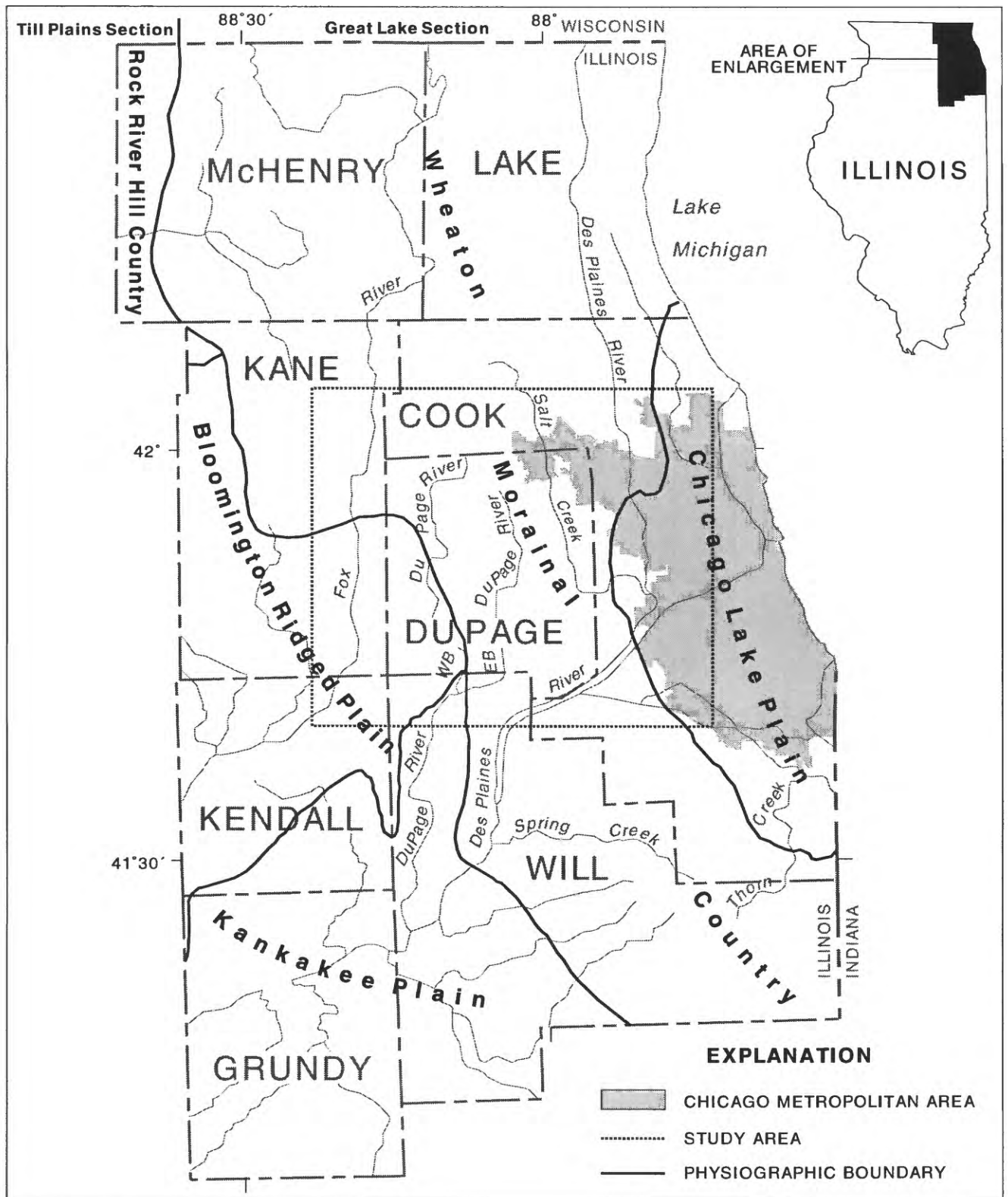


Figure 1. Location of study area in and near Du Page County, Illinois, and physiography of the Central Lowland Province.

Physiography

The study area is mostly in the Wheaton Morainal Country of the Region of the Central Lowlands Province (Leighton and others, 1948) (fig. 1). The southwest part of the study area is in the Bloomington Ridged Plain (fig. 1). The morainal ridges were formed in the Wisconsin glacial period and remain the predominant topography. The topography generally is low-lying and poorly drained. Land-surface elevations range from 830 ft above sea level in the northwestern part of the study area to 585 ft above sea level in the southeastern part.

Climate

Northeastern Illinois has a temperate, humid, continental climate that is slightly modified by Lake Michigan. Long-term precipitation data in and near the study area are available at National Oceanic and Atmospheric Administration (NOAA) precipitation gages (fig. 2). The long-term average annual precipitation for the study area is approximately 33 in., and the long-term mean annual temperature for the study area is approximately 49°F (U.S. Department of Commerce, National Oceanic and Atmospheric Administration, 1986–91).

METHODS OF STUDY

To describe the spatial and temporal distribution of rainfall in the study area, daily rainfall totals were collected at 11 tipping-bucket rain gages. Data were collected from two stations since February 1986; all stations were installed by October 1, 1990.

Data Collection

Eleven USGS rain gages were in operation throughout the study area (fig. 2, table 1) from October 1, 1991, to September 30, 1995. The location for each station was determined by a distributed spatial coverage and by the selection of sites that were suitable for a rain-gage installation. A consideration used in the determination of site locations was the proximity of existing structures and obstructions. Rainfall data were collected by electronic data loggers in 0.01-in. increments at 5-minute intervals. One rain gage contained a

thermostatically controlled heating element that provides a water equivalent for snowfall.

Data Analysis

Rainfall data were not recorded (missing record) 8 percent of the time during the study period and was attributed to equipment failure and clogging of the rain-gage funnel. Snow-affected data resulted when the rain-gage funnels were filled with snow. Snow-melt readings result as temperatures rise and the snow melts. Snow-melt readings were determined by routine field trips and comparing recorded data with snowfall, snow depth, and temperature and precipitation data from the NOAA precipitation gages (fig. 2). The timing and volume of snow-affected data are subject to appreciable errors and should not be used in modeling.

Small corrections, based on the manufacturer's specifications, were made when the tipping-bucket rain gage under-recorded during periods of intense rain (Qualimetrics, Inc., 1986, p. 8). During intense rainfall, water can spill out of the tipping-bucket without being measured. Over-recording of rainfall at the Sawmill Creek near Lemont, Ill., gage may have resulted from wind vibrating the gage causing the tipping mechanism to tip before it was fully filled. The Sawmill Creek gage vibrates because it is installed on a 10-ft pole. To verify the problem, shaking the gage has been manually reproduced in the field.

RAINFALL DATA

Rainfall data for each station are presented in order of increasing rain-gage station number. A description for each rain-gage station is presented and includes site identifiers, the location of the gage, drainage basins, the type of instrumentation, accuracy, and period of record. Twenty-four hour rainfall totals are tabulated and presented by water year¹. A 24-hour period extends from just past midnight the previous day to midnight the current day. Rainfall totals were not computed for months containing days with missing record. Rainfall data recorded at 5-minute intervals are available for each station from the USGS.

¹The water year is the 12-month period from October 1 through September 30 and is designated by the calendar year in which it ends and includes 9 of the 12 months.

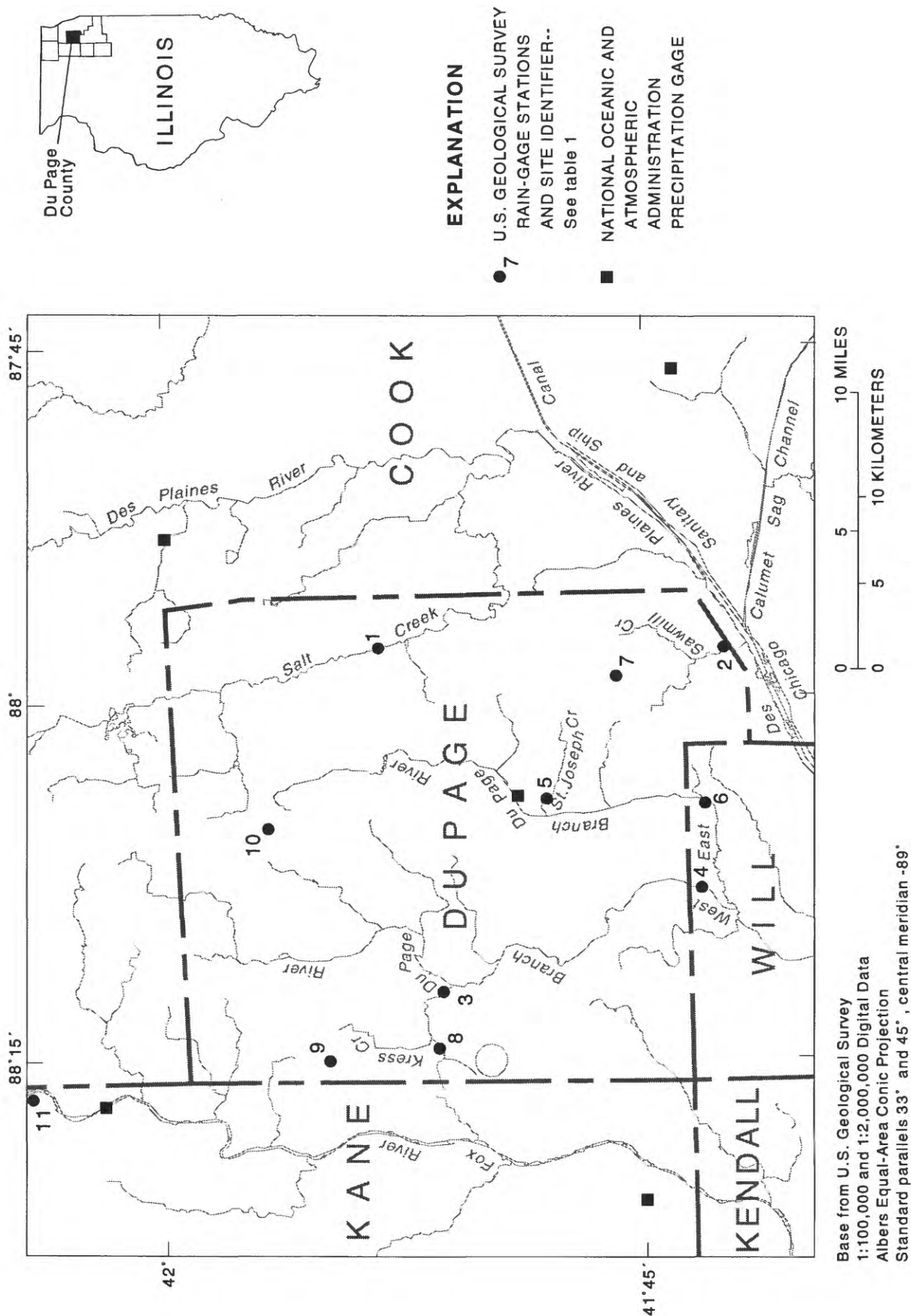


Figure 2. Locations of National Oceanic and Atmospheric Administration precipitation gages and U.S. Geological Survey rain gages in and near Du Page County, Illinois.

Table 1. U.S. Geological Survey rainfall data-collection sites

[Site identifier corresponds to number listed in figure 2; Lat, latitude; Long, longitude]

Site identifier	Station number	Station name and location
1	05531300	Salt Creek at Elmhurst, Ill. Lat: 41°53'20" Long: 87°57'41"
2	05533400	Sawmill Creek near Lemont, Ill. Lat: 41°42'28" Long: 87°57'45"
3	05540060	Kress Creek at West Chicago, Ill. Lat: 41°51'23" Long: 88°12'15"
4	05540130	West Branch Du Page River near Naperville, Ill. Lat: 41°43'13" Long: 88°07'55"
5	05540195	St. Joseph Creek at State Highway 34 at Lisle, Ill. Lat: 41°48'06" Long: 88°04'08"
6	05540250	East Branch Du Page River at Bolingbrook, Ill. Lat: 41°43'05" Long: 88°04'14"
7	414552087585600	Clarendon Hills Cemetery at Darien, Ill. Lat: 41°45'52" Long: 87°58'56"
8	415131088143600	National Accelerator Laboratory near West Chicago, Ill. Lat: 41°51'31" Long: 88°14'36"
9	415457088150600	Du Page County Airport near St. Charles, Ill. Lat: 41°54'57" Long: 88°15'06"
10	415651088051900	Bloomingtondale Lift Station at Bloomingtondale, Ill. Lat: 41°56'51" Long: 88°05'19"
11	420354088170500	Elgin Wastewater Treatment Facility at Elgin, Ill. Lat: 42°03'54" Long: 88°17'05"

Salt Creek at Elmhurst, Illinois

Site identifier.—1

Station number.—05531300

Location.—Latitude 41°53'20", longitude 87°57'41", in NE1/4NE1/4NE1/4 sec.10, T.39 N., R.11 E., Du Page County, on left downstream side of bridge on State Highway 83 in Elmhurst (Elmhurst 7.5-minute quadrangle).

To reach gage.—From north: From intersection of U.S. Highway 90 and State Highway 83, drive south on State Highway 83 approximately 2.5 mi to St. Charles Road. Turn east on St. Charles Road. Proceed approximately 50 ft to Scott Street. Turn south on Scott Street. Park on the west side of Scott Street near the water tower. The gage is located in the open area between Scott Street and State Highway 83, approximately 100 ft west of Scott Street.

From south: From intersection of State Highway 83 and State Highway 56, drive north on State Highway 83 approximately 1.5 mi to St. Charles Road. From the intersection of State Highway 83 and St. Charles Road, follow the directions listed in the previous paragraph.

Drainage basin.—Salt Creek.

Gage.—An 8-in.-diameter, unheated, tipping-bucket rain gage mounted on top of a wooden post approximately 7 ft above the ground surface. A multiparameter electronic data logger, housed inside a weatherproof electrical enclosure and mounted to a wooden shelter near the left downstream wingwall of the bridge on State Highway 83, records rainfall data.

Accuracy.—The rain gage records rainfall totals in 0.01-in. increments at 5-minute intervals.

Period of record.—October 16, 1989, to present. Periods of missing record exist because of equipment-related problems.

Salt Creek at Elmhurst, Illinois—Continued

Rainfall, in inches, water year October 1991 to September 1992

Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	.37	.00	.00	.00	.00	.00	.00	.00	.00	1.02	.13	.01
3	.55	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	.00
4	2.42	.00	.00	.00	.00	.00	.03	.00	.01	.04	.00	.00
5	.01	.00	.00	.00	.00	.38	.00	.00	.00	.01	.00	.00
6	.00	.00	s.14	.00	.00	.43	.00	.00	.04	.00	.00	.00
7	.00	.00	.00	.00	.00	.03	.00	.00	.01	.00	.46	.21
8	.00	.00	.02	.26	.00	.00	.00	.00	.00	.00	.00	.02
9	.00	.00	.00	.00	.00	.29	.00	.00	.00	.00	.00	2.00
10	.01	.00	.00	.00	.00	.00	.43	.00	.00	.00	.04	.00
11	.02	s.01	.00	.00	.00	s.01	.00	.00	.00	.09	.00	.00
12	.00	.00	.33	.02	.00	.00	.00	.00	.00	.17	.16	.00
13	.07	.00	.00	.03	.00	.00	.00	.00	.00	1.40	.00	.00
14	.18	.61	.04	.00	s.21	.00	.11	.01	.03	.21	.00	.52
15	.00	.26	.00	.00	.37	.00	.79	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	s.11	.23	.00	.00	.12	.00	.00
17	.00	.00	.00	.00	.06	.00	.13	.00	.89	.02	.00	.19
18	.23	.28	.00	.00	.22	.00	.08	.00	.01	1.07	.00	.18
19	.00	.51	.00	.00	.03	.00	.10	.00	.00	.00	.00	.00
20	.00	.06	s.16	.00	.00	.00	.01	.00	.00	.00	.00	.28
21	.00	.00	s.09	.00	.00	.00	.00	.00	.00	.00	.00	.19
22	.00	.00	.00	s.23	.00	s.21	.00	.00	.00	.14	.00	.00
23	.00	.07	s.04	s.04	.00	.00	.10	.13	.00	.05	.00	.00
24	.82	.00	.00	.00	.42	.00	.04	.00	.08	.00	.00	.00
25	1.33	.00	.00	.00	.00	.00	.00	.00	.00	.16	.37	.00
26	1.73	.00	.00	.00	.00	.05	.14	.00	.00	.14	1.04	.94
27	.00	s.15	.00	.00	.00	.00	.00	.00	.00	.00	.83	.00
28	.14	.54	.00	s.02	.00	.13	.00	.00	.00	.00	.00	.00
29	.38	.49	.00	s.01	.00	.12	.05	.00	.00	.02	.00	.00
30	.73	.01	.00	.00	--	.01	.00	.00	.00	.69	.00	.00
31	.00	--	.00	.00	--	.02	--	.00	--	.05	.00	--
Total	8.99	3.57	0.82	0.61	1.31	1.79	2.24	0.14	1.07	5.40	3.12	4.54

s Snowfall-affected precipitation.

Salt Creek at Elmhurst, Illinois—Continued

Rainfall, in inches, water year October 1992 to September 1993 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	1.51	0.00	0.00	0.00	0.00	s0.02	0.00	0.00	0.03	0.00	0.00
2	.00	.39	s.03	s.05	.00	.05	s.03	.06	.04	.00	.00	.32
3	.00	.16	.00	s.26	.00	.00	.00	.16	.00	.00	.00	.00
4	.00	.05	.00	s1.28	.00	.05	.00	.23	.92	.00	.00	.00
5	.00	.08	.00	.00	.00	.00	.00	.00	.00	.26	.07	.01
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.44	.28
7	.00	.00	.00	.00	.00	.00	.01	.00	1.67	.00	.00	.00
8	.12	.00	.00	.00	.00	.00	.66	.00	1.28	.00	.00	.05
9	.05	.28	.00	.00	.00	.00	.00	.00	.00	.00	.30	.00
10	.00	.24	.00	.00	.00	s.17	.00	.00	.00	.00	.00	.00
11	.00	.04	s.29	.00	.00	.00	.00	.00	.00	.01	.79	.04
12	.00	.57	.00	s.22	.00	.00	.00	.00	.00	.00	.01	.00
13	.10	.00	.00	s.03	s.08	.00	.00	.00	.00	.10	.00	1.01
14	.82	.00	.00	.00	.00	.00	.46	.00	.87	.01	.00	1.43
15	.16	.00	.85	.00	.00	.00	1.17	.00	.00	.00	.66	.00
16	.01	.00	.00	.00	.00	.29	.05	.04	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.14	.00	.00	.00
18	.00	.00	.00	s.01	.00	.00	.00	.00	.23	.47	.00	.00
19	.01	.13	s.04	s.01	.00	.00	1.34	.00	.98	.00	.07	.00
20	.09	.27	.00	s.34	.00	s.15	.50	.00	.13	.00	.00	.04
21	.00	.12	.00	.60	.00	.00	.00	.00	.06	.00	.00	.00
22	.00	.21	.00	.00	s.01	s1.40	.00	.27	.02	.00	.00	.00
23	.00	.00	.00	.00	.00	s.30	.00	.27	.01	.00	1.88	.00
24	.00	.01	.00	.00	.00	.00	.03	.00	.00	.02	.00	.00
25	.00	.22	.00	.00	.00	.00	.00	.00	.01	1.17	.00	.96
26	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.08
27	.00	.00	.00	.00	s.07	.00	.03	.00	.04	.00	.00	.38
28	.00	.00	.00	.00	.00	.00	.04	.41	.02	.02	.01	.00
29	.00	.00	.49	.00	--	.00	.41	.00	.01	.00	.46	.00
30	.00	.00	1.38	.00	--	.00	.00	.97	.69	.00	.07	.00
31	.09	--	.00	.00	--	1.65	--	.00	--	.00	.21	--
Total	1.45	4.28	3.08	2.80	0.16	4.06	4.75	2.41	7.15	2.09	4.97	4.60

s Snowfall-affected precipitation.

Salt Creek at Elmhurst, Illinois—Continued

Rainfall, in inches, water year October 1993 to September 1994 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.00	s0.23	0.00	0.00	s0.06	0.00	0.00	0.00	0.00	0.34	0.00
2	.00	.06	.09	.00	.00	s.11	.00	.00	.00	.00	.00	.00
3	.00	.01	.00	s.01	.00	.00	.00	.00	.00	.00	.35	.06
4	.00	.00	.02	.00	.00	.00	.00	.00	.00	.04	.43	.01
5	.00	.00	.00	.00	s.01	.00	.00	.00	.00	.00	.00	.03
6	.00	s.01	.06	.00	.00	.00	.11	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.19	.01	.32	.00	.00
8	.43	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.01
9	.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	s.04	.00	.00	.00	.00	.00	.00	.51	.02
11	.00	.00	.00	s.17	.00	.00	.18	.02	.25	.00	.75	.00
12	.00	.52	.00	s.01	.00	.05	.98	.00	.00	.18	.00	.00
13	.00	.01	.00	.00	.00	.04	.12	.00	.12	.00	1.54	.00
14	.00	.10	.11	.00	s.12	.00	.00	.06	1.13	.00	.00	.00
15	.02	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00
16	.42	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.41	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.42	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.01	.02	.00	1.07	.00	.00	.00	.00	.25	.28	.00
20	.31	.00	.00	.00	.24	.08	.00	.00	.75	.13	.05	.00
21	.00	.00	.00	.00	.00	.30	.00	.00	.00	.41	.00	.00
22	.00	.00	.00	s.01	.00	.00	.00	.00	.00	.00	.00	.44
23	.00	.00	.00	.00	.00	.00	.00	.15	2.32	.00	.00	.36
24	.00	.09	.00	.00	s.03	.00	.00	.01	.64	.00	.00	.31
25	.00	.31	.00	s.02	s.02	.00	.04	.10	.00	.08	.00	.08
26	.00	.44	.00	.00	s.01	.29	.10	.00	.00	.00	.04	.07
27	.00	.00	.00	s.01	.00	.05	.00	.00	.00	.00	.00	.02
28	.00	s.01	.00	.00	.00	.00	.46	.00	.00	.00	.00	.00
29	.00	.00	.00	s.01	--	.00	.00	.00	.00	.00	.00	.00
30	s.03	.00	.00	.00	--	.00	.60	.00	.00	.00	.64	.00
31	.00	--	.00	.00	--	.00	--	.00	--	.00	.00	--
Total	1.89	1.58	1.01	0.28	1.50	0.98	2.65	0.53	5.24	1.43	4.93	1.41

s Snowfall-affected precipitation.

Salt Creek at Elmhurst, Illinois—Continued

Rainfall, in inches, water year October 1994 to September 1995

Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
2	.00	.00	.00	.00	.00	.00	.00	.00	3.09	.00	.07	.00
3	.00	.25	.02	.00	.00	.00	.10	.00	.01	.00	.08	.00
4	.00	.35	.00	.00	.00	.00	.00	.01	.00	1.22	.17	.00
5	.00	1.07	.14	.00	.00	s.21	.00	.00	.00	.19	.00	.00
6	.00	.03	.15	.00	.00	.00	.00	.00	.02	.00	.03	.00
7	.16	.00	s.10	s.01	.00	s.19	.04	.00	.00	.00	.04	.58
8	.66	.14	s.19	.00	.00	s.01	.00	.49	.00	.00	.00	.00
9	.00	.31	s.14	.00	.00	s.03	1.01	.86	.00	.03	.08	.00
10	.00	.00	.00	.00	.00	.00	.64	.31	.08	.00	.00	.00
11	.00	.01	.00	s.15	.00	.00	.71	.00	.00	.00	.00	.00
12	.00	.00	.00	s.01	.00	.00	.08	.00	.00	.00	.00	.00
13	.00	.25	.00	m	.00	.00	.00	.08	.00	.00	.00	.00
14	.00	.09	.00	m	.00	.00	.00	.00	.00	.00	.01	.00
15	.00	.00	s.02	m	s.01	.00	.00	.00	.00	.00	1.31	.00
16	.00	.00	s.25	m	.00	.00	.03	.26	.00	.00	1.80	.00
17	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.06	.00
18	.03	.00	.00	.00	.00	.00	.60	.14	.00	.00	.00	.00
19	.00	.00	.00	s.66	.00	.02	.00	.00	.00	.00	.00	.01
20	.00	.08	.00	.00	s.01	.26	.00	.00	.00	.99	.00	.01
21	.00	.04	.00	.00	.00	.00	.05	.00	.00	.00	.00	.28
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00
23	.00	.00	.00	s.01	.01	.03	.00	.86	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.05	.27	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00
26	.00	.00	.00	.00	.16	.09	1.46	.00	.03	.13	.00	.00
27	.00	1.01	.00	.00	.11	.62	.43	.34	.28	.10	.00	.00
28	.00	.00	.00	.00	.07	.03	.00	.30	.00	.01	.02	.00
29	.00	.00	.00	.00	--	.00	.05	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	--	.00	.13	.00	.00	.00	.00	.08
31	2.35	--	.00	.00	--	.00	--	.00	--	.00	.00	--
Total	3.20	3.71	1.01	nc	0.37	1.49	5.49	3.94	3.51	2.71	3.70	0.96

s Snowfall-affected precipitation.

m Missing record.

nc Not computed because of missing record.

Sawmill Creek near Lemont, Illinois

Site identifier.—2

Station number.—05533400

Location.—Latitude 41°42'28", longitude 87°57'45", in NE1/4NE1/4SW1/4 sec.10, T.37 N., R.11 E., Du Page County, approximately 150 ft west of the bridge on Bluff Road at the south edge of Argonne National Laboratory, 2.5 mi northeast of Lemont (Sag Bridge 7.5-minute quadrangle).

To reach gage.—From south: From the intersection of State Highway 83 and Bluff Road, drive west on Bluff Road approximately 0.8 mi to the gate that is across Bluff Road. Rain gage is 750 ft west of the Forest Preserve gate.

From north: From intersection of U.S. Highway 55 and Cass Avenue, drive south on Cass Avenue. Cass Avenue becomes Bailey Road south of the Argonne National Laboratory main entrance. Proceed south to the intersection of Bailey Road and Bluff Road. Turn west and proceed through the Forest Preserve gate. The rain gage is located approximately 750 ft west of the Forest Preserve gate.

Drainage basin.—Sawmill Creek.

Gage.—An 8-in.-diameter, unheated, tipping-bucket rain gage mounted to a steel post, approximately 10 ft above the ground surface. The electronic data logger is housed in a weatherproof electrical enclosure located at the streamflow-gaging site on the upstream side of the bridge on Bluff Road.

Accuracy.—The rain gage records rainfall totals in 0.01-in. increments at 5-minute intervals. Over-recording of rainfall may have resulted from wind vibrating the gage causing the tipping mechanism to tip before it was fully filled. The gage vibrates because of its installation on a 10-ft pole. The vibrating has been manually reproduced in the field.

Period of record.—April 17, 1986, to present. Periods of missing record exist because of equipment-related problems.

Sawmill Creek near Lemont, Illinois—Continued

Rainfall, in inches, water year October 1991 to September 1992 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.68	0.00	0.01	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00
2	.19	.00	.00	.01	.00	.00	.01	.00	.00	1.15	.20	.08
3	.91	.00	s.01	.00	.00	.00	.07	.00	.00	.00	.36	.01
4	2.41	.00	.00	.00	.00	.00	.07	.00	.67	.18	.00	.00
5	.02	.00	s.10	.00	.00	.08	.00	.00	.02	.14	.00	.00
6	.00	.00	s.15	.00	.00	.25	.00	.16	.08	.00	m	.00
7	.00	s.04	s.10	.00	.00	.09	.00	.00	.00	.26	m	.93
8	.00	.00	.30	.25	.00	.00	.00	.00	.00	.00	m	.04
9	.00	.00	.00	.00	.00	.58	.00	.00	.00	.00	m	3.63
10	.02	.00	.01	.00	s.06	.00	.33	.00	.00	.01	m	.01
11	.01	.00	.00	.00	.00	s.16	.01	.00	.00	.05	m	.00
12	.00	s.01	.35	.03	.00	.00	.00	.02	.00	.36	m	.00
13	.03	.00	.00	.08	s.01	.00	.04	.00	.00	.61	m	.00
14	.25	.74	.06	.00	s.22	.01	.17	.03	.00	.37	m	.62
15	.00	.29	.00	.00	.50	.00	1.27	.00	.00	.01	m	.01
16	.00	.00	.00	.00	.00	s.40	.33	.11	.00	.27	m	.00
17	.00	.03	.00	s.01	.09	.00	.01	.01	1.64	.63	m	.32
18	.45	.22	.00	.00	.28	.00	.16	.00	.00	.30	m	.33
19	.00	.40	.00	.00	.04	.00	.18	.00	.03	.01	m	.00
20	.00	.12	s.09	.00	.00	.00	.01	.00	.00	.01	m	.25
21	.00	.01	.00	.00	.00	.00	.01	.00	.00	.00	m	.67
22	.00	.00	s.18	s.25	.00	s.53	.00	.02	.00	.17	m	.00
23	.00	.09	s.19	s.05	.00	s.02	.28	.03	.02	.02	m	.00
24	1.50	.00	.00	.00	.36	.00	.15	.00	.36	.00	m	.01
25	2.18	.00	.00	s.04	.00	.00	.00	.00	.00	.01	m	.00
26	1.41	.00	.00	s.09	.01	.15	.12	.00	.00	.08	m	1.07
27	.02	s.21	.00	s.04	.00	.00	.00	.00	.00	.00	1.08	.00
28	.22	.78	.00	.00	.00	.08	.00	.00	.00	.30	.00	.00
29	.20	.53	.00	s.01	.01	.17	.01	.00	.00	.02	.00	.00
30	1.20	.01	.00	.00	--	.01	.00	.00	.00	.74	.00	.00
31	.00	--	.00	.00	--	.06	--	.00	--	.03	.00	--
Total	11.02	4.16	1.54	0.87	1.58	2.59	3.23	0.44	2.82	5.73	nc	7.98

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

Sawmill Creek near Lemont, Illinois—Continued

Rainfall, in inches, water year October 1992 to September 1993 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	1.56	0.00	m	m	0.00	s0.05	0.00	0.02	0.00	0.00	0.01
2	.00	.74	s.04	m	m	s.04	s.12	.14	.13	.08	.00	.41
3	.00	.94	.00	m	p0.00	s.04	.00	.04	.01	.00	.00	.03
4	.00	.08	.01	m	.00	s.21	.00	.04	.97	.00	.00	.00
5	.00	.06	.00	m	.00	.00	.00	.00	.00	.10	.05	.02
6	.00	.00	.00	m	.00	.00	.00	.00	.00	.08	.43	.50
7	.01	.00	.00	m	.00	.00	.01	.00	3.76	.00	.00	.00
8	.13	.00	.00	m	.00	s.01	.68	.00	2.39	.00	.00	.03
9	.06	.33	.00	m	.00	.00	.01	.00	.00	.00	.56	.00
10	.01	.29	.06	m	.00	s.16	.00	.00	.00	.19	.00	.00
11	.00	.14	s.25	m	.00	s.01	.01	.00	.00	.00	.00	.33
12	.00	.65	.00	m	.00	s.05	.00	.00	.00	.00	.00	.00
13	.00	.01	.00	m	s.14	s.02	.00	.00	.00	.53	.00	.48
14	.48	.00	s.11	m	.00	.00	.40	.00	.83	.01	.00	1.91
15	.17	.00	m	m	.00	.00	.94	.00	.00	.00	1.37	.01
16	.00	.00	m	m	s.08	.35	.05	.04	.00	.00	.00	.00
17	.00	.01	m	m	.00	.01	.00	.00	.79	.00	.00	.00
18	.00	.00	m	m	.00	.00	.00	.02	.71	.45	.00	.00
19	.01	.09	m	m	.00	s.01	1.04	.00	.96	.00	.18	.00
20	.04	.25	m	m	.00	s.17	.52	.00	.09	.00	.00	.02
21	.00	.12	m	m	.00	s.01	.00	.00	.00	.00	.00	.00
22	.00	.18	m	m	s.01	s1.43	.00	.30	.00	.00	.00	.02
23	.00	.02	m	m	.00	s.29	.00	.34	.00	.00	.43	.00
24	.00	.01	m	m	.00	.00	.02	.01	.07	.08	.00	.00
25	.00	.26	m	m	.00	.00	.00	.00	.05	.93	.07	.92
26	.00	.01	m	m	s.03	.00	.00	.00	.04	.00	.00	.32
27	.00	.00	m	m	.00	.00	.00	.00	.07	.00	.00	.12
28	.00	.00	m	m	s.14	.00	.09	.18	1.98	.00	.01	.00
29	.00	.00	m	m	--	.00	.43	.00	.00	.00	1.59	.01
30	.00	.00	m	m	--	.00	.00	.35	.69	.00	.32	.01
31	.11	--	m	m	--	1.43	--	.01	--	.00	.19	--
Total	1.02	5.75	nc	nc	nc	4.24	4.37	1.47	13.56	2.45	5.20	5.15

m Missing record.

p Partial record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

Sawmill Creek near Lemont, Illinois—Continued

Rainfall, in inches, water year October 1993 to September 1994 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.00	s0.12	s0.01	0.00	s0.08	0.00	0.00	0.00	0.00	2.12	0.00
2	.00	.13	.15	.00	.00	s.12	.00	.00	.00	.02	.00	.00
3	.00	.00	.00	.00	.00	s.35	.00	.00	.00	.00	.10	.07
4	.00	.00	.04	.00	.00	.00	.00	.00	.00	.44	.93	.05
5	.00	s.01	.01	.00	.00	.01	.00	.05	.00	.00	.00	.04
6	.00	s.02	.07	.00	.00	.00	.00	.02	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.30	.03	.62	.00	.00
8	.10	.00	.00	.00	.00	.00	.00	.00	.24	.34	.00	.00
9	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.59	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.01
11	.00	.00	.00	s.07	.00	.00	.28	.01	.68	.00	2.16	.00
12	.00	.57	.00	s.01	.00	.04	1.11	.00	.01	.09	.00	.00
13	.00	.01	.00	.00	.00	.06	.20	.00	.23	.00	1.26	.00
14	.00	.09	.12	.00	s.31	.00	.00	.04	1.10	.00	.00	.00
15	.06	.00	.00	.00	.00	.00	.14	.01	.00	.00	.00	.00
16	.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.16	.08	.05	.00	.00	.00	.00	.00	.00	.02	.00	.00
18	.30	.01	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.09	.02	.00	.00	.91	.00	.00	.00	.00	.47	.51	.00
20	.28	.00	.00	.00	.13	.00	.00	.00	.62	.37	.01	.00
21	.00	.00	.00	.00	.00	.08	.00	.00	.00	.61	.00	.00
22	.00	.00	.00	s.04	.00	.00	.00	.00	.00	.02	.00	m
23	.00	.00	.00	s.33	.00	.00	.00	.10	1.79	.00	.00	m
24	.00	.06	.00	.00	.00	.00	.00	.00	.61	.00	.00	m
25	.00	.40	.00	.00	.00	.00	.00	.13	.00	.01	.00	m
26	.00	.38	.00	.00	.00	.28	.09	.01	.00	.00	.12	m
27	.00	s.03	.00	.00	.00	.06	.00	.00	.00	.00	.00	.01
28	.00	s.01	.00	.00	s.03	.00	.36	.00	.01	.00	.01	.00
29	.00	.00	.00	.00	--	.00	.00	.00	.03	.00	.00	.00
30	s.01	.00	.00	.00	--	.00	.54	.00	.00	.00	1.05	.00
31	s.01	--	s.02	.00	--	.00	--	.00	--	.00	.00	--
Total	1.94	1.82	0.98	0.46	1.38	1.08	2.72	0.67	5.35	3.01	8.52	nc

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

Sawmill Creek near Lemont, Illinois—Continued

Rainfall, in inches, water year October 1994 to September 1995 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.07	0.00	0.00	0.01	0.00	0.01	0.00	0.00	m	0.33	0.00
2	.00	.00	.08	.00	.00	.00	.00	.00	.69	m	.18	.00
3	.00	.35	.10	.00	.00	.00	.07	.00	.01	m	.21	.00
4	.00	.39	.00	.00	.00	s.01	.00	.04	.00	m	.00	.00
5	.00	1.16	.08	.00	.00	s.24	.00	.00	.00	m	.00	.00
6	.00	.07	.13	.00	.00	s.01	.00	.00	.03	m	.00	.01
7	.05	.00	s.48	.00	.00	s.31	.02	.00	.87	m	.00	.74
8	.82	.06	s.15	.00	s.10	s.01	.01	.57	.00	m	.00	.00
9	.01	.90	s.17	.00	.00	s.03	1.23	.79	.01	m	.00	.00
10	.00	.01	.00	.00	.00	s.11	.84	.07	.31	m	.00	.00
11	.00	.00	.00	s.13	.00	.00	.69	.00	.00	m	.00	.00
12	.00	.00	.00	s.01	.00	.00	.09	.00	.00	m	.00	.00
13	.00	.24	.00	1.01	.00	.00	.00	.28	.00	m	.00	.00
14	.00	.15	.00	.88	.00	.00	.00	.00	.00	m	.00	.00
15	.00	.00	s.12	.00	s.03	.00	.00	.00	.00	m	.44	.00
16	.00	.00	s.42	.00	.00	.00	.00	.38	.00	m	.37	.00
17	.00	.00	.00	.00	.00	.00	.04	.01	.00	m	.00	.00
18	.02	.00	.00	.00	s.02	.04	.51	.15	.00	m	.00	.00
19	.03	.00	.00	s.93	.00	.02	.00	.00	.00	m	.00	.03
20	.00	.15	.00	.00	.00	.24	.02	.00	.00	m	.00	.00
21	.00	.12	.00	.00	.00	.00	.10	.00	.00	m	.00	p.21
22	.04	.00	.00	.00	.00	.14	.00	.00	.00	m	.00	m
23	.00	.00	.00	.00	.02	.04	.00	1.54	.00	m	.00	m
24	.00	.00	.00	.00	.00	.00	.11	.47	.00	m	.00	m
25	.00	.00	.00	s.01	.00	.00	.00	.15	.00	p0.00	.00	m
26	.00	.00	.00	.00	.48	.02	.92	.00	m	.08	.00	m
27	.00	1.01	.00	s.01	.33	.82	.43	.31	m	1.11	.00	m
28	.00	.00	.00	.00	.00	.09	.00	.25	m	.01	.15	m
29	.00	.00	.00	.00	--	.00	.06	.00	m	.00	.00	m
30	.02	.00	.00	.00	--	.00	.17	.00	m	.00	.00	m
31	2.75	--	.00	s.01	--	.00	--	.00	--	.00	.00	--
Total	3.74	4.68	1.73	2.99	0.99	2.13	5.32	5.01	nc	nc	1.68	nc

m Missing record.

p Partial record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

Kress Creek at West Chicago, Illinois

Site identifier.—3

Station number.—05540060

Location.—Latitude 41°51'23", longitude 88°12'15", in SW1/4SW1/4SW1/4 sec.15, T.39 N., R.9 E., Du Page County, northwest of the intersection of Wilson Street and Joliet Road, 0.5 mi south of West Chicago (Naperville 7.5-minute quadrangle).

To reach gage.—From south: From the intersection of State Highway 59 and Joliet Road, drive north on Joliet Road about 0.4 mi. The rain gage is on the west side of Joliet Road, just north of the intersection of Wilson Street and Joliet Road. From east: From intersection of State Highway 59 and Wilson Street, drive west on Wilson Street about 0.4 mi.

Drainage basin.—Kress Creek.

Gage.—An 8-in.-diameter, unheated, tipping-bucket rain gage mounted on a steel post, 8 ft above the ground surface. The electronic data logger is housed in a weatherproof electrical enclosure at the stream gage located on the downstream side of the bridge at the intersection of Wilson Street and Joliet Road.

Accuracy.—The rain gage records rainfall totals in 0.01-in. increments at 5-minute intervals.

Period of record.—April 5, 1986, to present. Periods of missing record exist because of equipment-related problems.

Kress Creek at West Chicago, Illinois—Continued

Rainfall, in inches, water year October 1991 to September 1992 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	.46	.00	.00	.05	.00	.00	.00	.00	.00	1.00	.35	.13
3	.69	.00	s.06	.00	.00	.00	.08	.00	.00	.01	.05	.01
4	2.66	.00	.00	.00	.00	.00	.11	.00	.09	.08	.00	.00
5	.02	.00	s.05	.00	.00	.09	.00	.00	.00	.13	.00	.00
6	.00	.00	.00	.00	s.01	.26	.00	.00	.06	.00	.00	.00
7	.00	.00	.00	.00	.00	.29	.00	.00	.00	.08	.31	.37
8	.00	.00	.03	.25	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.01	.00	.55	.00	.00	.00	.01	.00	1.74
10	.03	.00	.01	.00	s.01	.00	.64	.00	.00	.02	.00	.00
11	.01	.00	.00	.00	.00	s.23	.00	.00	.00	.00	.00	.00
12	.00	.00	.78	.05	.00	.00	.00	.03	.00	.29	.17	.00
13	.09	.00	.00	.04	s.01	.00	.02	.00	.00	1.15	.00	.00
14	.24	1.02	.07	.00	s.20	.02	.07	.02	.00	.27	.00	.58
15	.00	.36	.00	.00	.37	.00	.87	.00	.00	.00	.00	.03
16	.00	.00	.00	.00	.00	s.11	.41	.00	.00	.19	.00	.00
17	.00	.07	.00	.00	.09	.00	.05	.00	1.18	.00	.00	.17
18	.31	.20	.00	.00	.44	.00	.20	.00	.00	.07	.00	.22
19	.00	.60	.00	.00	.04	.00	.06	.00	.03	.02	.00	.00
20	.00	.08	s.16	.00	.00	.00	.01	.00	.00	.00	.00	.35
21	.00	.00	s.22	.00	.01	.00	.03	.00	.00	.00	.00	.19
22	.00	.00	.00	s.39	.00	s.59	.00	.09	.01	.16	.00	.00
23	.00	.17	s.10	s.04	s.01	.00	.11	.14	.00	.04	.00	.00
24	.55	.00	.00	.00	.47	.00	.07	.00	.00	.00	.00	.00
25	1.14	.00	.00	s.08	.00	.00	.00	.00	.00	.23	.27	.00
26	.99	.01	s.01	s.12	.00	.01	.12	.00	.00	.00	.55	.78
27	.01	s.18	.00	.00	.00	.00	.00	.00	.00	.00	.64	.00
28	.18	.57	.00	.00	.02	.10	.00	.00	.00	.00	.00	.00
29	.68	.55	.00	.00	.00	.16	.04	.00	.00	.02	.00	.00
30	.48	.00	.00	.00	--	.00	.00	.00	.00	.84	.00	.00
31	.00	--	.00	.00	--	.02	--	.00	--	.01	.00	--
Total	8.54	4.26	1.49	1.03	1.68	2.43	2.89	0.28	1.37	4.62	2.34	4.57

s Snowfall-affected precipitation.

Kress Creek at West Chicago, Illinois—Continued

Rainfall, in inches, water year October 1992 to September 1993 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	1.66	0.00	0.00	0.00	0.00	s0.05	0.05	0.03	0.00	0.00	0.00
2	.00	.23	s.04	s.03	.00	s.15	s.01	.08	.06	.00	.00	.30
3	.00	.72	.00	s.26	.00	.00	.00	.03	.01	.00	.00	.00
4	.00	.12	.00	s1.13	.00	s.02	.00	.87	1.03	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.01	.00	.23	m	.02
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	m	.30
7	.00	.00	.00	.00	.00	.00	.01	.00	1.46	.03	m	.00
8	.07	.00	.00	.00	.00	s.01	.95	.00	1.81	.00	m	.05
9	.01	.29	.00	.00	.00	.00	.00	.00	.00	.00	m	.00
10	.00	.39	.00	.00	.01	s.08	.00	.00	.00	.00	m	.00
11	.00	.06	s.16	.00	.00	.00	.00	.00	.00	.00	m	.00
12	.00	.72	.00	s.39	.00	.00	.00	.00	.00	.00	m	.00
13	.03	.00	.00	s.02	s.03	.00	.01	.00	.00	.27	m	1.21
14	.56	.00	.00	s.04	s.04	.00	.45	.00	1.04	.00	m	.82
15	.23	.00	.63	.00	.00	.00	1.14	.01	.00	.00	m	.00
16	.00	.00	.00	.00	s.01	.41	.07	.06	.00	.00	p.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.39	.00	.00	.00
18	.00	.00	.00	s.01	.00	.00	.00	.00	.25	.69	.00	.00
19	.01	.14	s.01	.00	.00	.00	1.20	.03	.00	.00	.00	.00
20	.06	.23	.00	s.52	.00	s.13	.31	.00	.00	.00	.00	.01
21	.00	.18	.00	.40	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.39	.00	s.03	.00	s1.48	.00	.32	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	s.24	.00	.28	.17	.00	1.39	.00
24	.00	.02	.00	.00	.00	s.01	.02	.00	.00	.05	.00	.00
25	.00	.24	.00	.00	.00	.00	.00	.00	.03	.50	.00	m
26	.00	.01	.00	.00	.00	.00	.00	.00	.45	.00	.00	m
27	.00	.00	.00	.00	s.10	.00	.03	.00	.15	.00	.00	m
28	.00	.00	.00	s.03	.00	.00	.05	.40	.94	.01	.02	.00
29	.00	.00	.49	.00	--	.00	.35	.00	.00	.00	.41	.01
30	.00	.00	1.41	.00	--	.00	.00	.63	1.08	.00	.11	.00
31	.15	--	.00	.00	--	1.53	--	.00	--	.00	.07	--
Total	1.12	5.40	2.74	2.86	0.19	4.06	4.65	2.77	8.90	1.78	nc	nc

m Missing record.

p Partial record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

Kress Creek at West Chicago, Illinois—Continued

Rainfall, in inches, water year October 1993 to September 1994 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.00	s0.12	0.00	0.00	m	m	0.00	0.00	0.00	0.06	0.00
2	.00	.07	.00	s.03	.00	m	m	.00	.00	.14	.00	.00
3	.00	.00	.02	s.01	.00	m	m	.00	.00	.02	.07	.12
4	.00	.00	.01	s.02	.00	m	m	.00	.00	.00	.50	.01
5	.00	.00	.01	s.01	s.02	m	m	.05	.00	.01	.00	.03
6	.00	.00	.02	s.01	s.03	m	m	.01	.00	.18	.00	.00
7	.00	.00	.01	.00	.00	m	m	.19	.00	.83	.00	.00
8	m	.00	.01	s.01	s.02	m	m	.00	.06	.04	.00	.00
9	m	.00	.00	s.01	s.03	m	m	.00	.00	.02	.00	.00
10	.00	.00	.00	s.02	.00	m	m	.00	.00	.00	1.79	.00
11	.00	.00	.00	s.03	s.01	m	m	.03	.22	.00	1.84	.00
12	.00	.37	.00	s.01	.00	m	m	.00	.00	.22	.00	.00
13	.00	.03	.00	.00	s.01	m	m	.00	.11	.00	1.93	.00
14	.00	.00	.17	.00	s.01	m	m	.18	.52	.00	.00	.00
15	.00	.01	.01	s.01	.00	m	m	.00	.01	.00	.00	.00
16	m	.03	.03	s.01	.00	m	m	.00	.00	.00	.00	.00
17	.24	.03	.05	s.02	.00	m	m	.00	.00	.00	.00	.00
18	.00	.03	m	s.05	.00	m	m	.00	.00	.00	.00	.00
19	.00	.01	m	s.01	m	m	m	.00	.01	.18	.36	.00
20	m	.02	m	s.01	m	m	m	.00	.47	.27	.00	.00
21	m	.00	m	s.02	m	m	m	.00	.00	.04	.00	.00
22	.00	.00	.00	s.02	m	m	m	.00	.00	.00	.00	.34
23	.00	.00	.00	s.02	m	m	m	.13	3.92	.00	.00	.46
24	.00	.06	.00	s.01	m	m	0.00	.00	.98	.00	.00	.63
25	.00	m	s.03	.00	m	m	.22	.13	.00	.04	.00	.13
26	.00	m	s.01	.00	m	m	.08	.00	.00	.00	.05	.03
27	.00	s.01	.00	.00	m	m	.01	.00	.00	.00	.00	.01
28	.00	s.01	.00	.00	m	m	.40	.00	.00	.00	.01	.00
29	.00	s.01	s.01	.00	--	m	.01	.00	.43	.00	.00	.00
30	.00	.00	s.01	.00	--	m	.73	.00	.00	.00	.66	.00
31	.00	--	s.02	.00	--	m	--	.00	--	.00	.00	--
Total	nc	nc	nc	0.34	nc	nc	nc	0.72	6.73	1.99	7.27	1.76

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

Kress Creek at West Chicago, Illinois—Continued

Rainfall, in inches, water year October 1994 to September 1995

Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.07	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.12	0.00
2	.00	.00	.01	.00	s.10	.00	.00	.00	m	.00	.22	.00
3	.00	.57	.00	.00	.00	.01	.12	.00	m	.00	.09	.00
4	.00	.13	.00	.00	.00	.00	.00	.00	m	1.45	1.14	.00
5	.00	1.44	.19	.00	.00	s.23	.00	.00	m	.23	.01	.00
6	.00	.04	.06	.00	.00	.00	.00	.00	m	.00	.00	.01
7	.08	.00	s.17	.00	.00	s.21	.04	.00	m	.00	.00	1.31
8	.91	.16	s.17	.00	.00	.00	.00	.77	m	.00	.00	.00
9	.01	.33	.00	.00	.00	s.01	1.28	.53	m	.11	.00	.00
10	.00	.01	s.06	.00	.00	.00	.62	.12	m	.00	.00	.00
11	.00	.00	.00	s.03	.00	.00	.80	.00	m	.00	.00	.00
12	.00	.00	.00	s.01	.00	.00	.04	.08	.00	.00	.00	.00
13	.00	.30	.00	.81	.00	.00	.01	.13	.00	.00	.00	.00
14	.00	.08	.00	1.37	.00	.00	.00	.01	.00	.00	.20	.00
15	.00	.00	s.14	.00	s.01	.00	.00	.00	.00	.00	1.83	.00
16	.00	.00	s.61	.00	.00	.00	.11	.35	.00	.00	1.19	.00
17	.01	.00	s.05	.00	.00	.00	.11	.01	.00	.00	.00	.00
18	.02	.00	s.01	.00	.00	.04	.61	.27	.00	.00	.00	.00
19	.01	.00	.00	s.76	.00	.03	.00	.00	.00	.00	.00	.02
20	.00	.14	.00	.00	s.01	.24	.00	.00	.00	.79	.00	.01
21	.00	.08	.00	.00	.00	.00	.10	.00	.00	.00	.00	.35
22	.01	.00	.00	.00	.00	.07	.00	.00	.00	.17	.00	.01
23	.00	.00	.00	.00	.02	.01	.00	1.50	.00	1.04	.00	.00
24	.00	.00	.00	.00	.00	.00	.14	.29	.00	.00	.00	.00
25	.00	.00	.00	s.01	.00	.00	.00	.04	.00	.00	.00	.00
26	.00	.00	.00	s.01	.33	.08	1.97	.00	.53	.30	.00	.00
27	.00	1.19	.00	.00	.12	.78	.53	.13	.36	.29	.00	.00
28	.00	.00	.00	s.01	.05	.07	.00	.06	.07	.00	.16	.00
29	.00	.00	.00	.00	--	.01	.07	.02	.00	.00	.00	.00
30	.00	.00	.00	.00	--	.00	.15	.01	.00	.00	.00	.22
31	2.58	--	.00	s.01	--	.00	--	.00	--	.00	.00	--
Total	3.63	4.54	1.47	3.02	0.64	1.80	6.72	4.32	nc	4.38	4.96	1.93

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

West Branch Du Page River near Naperville, Illinois

Site identifier.—4

Station number.—05540130

Location.—Latitude 41°43'13", longitude 88°07'55", in SE1/4SW1/4NE1/4 sec.6, T.37 N., R.10 E., Will County, on downstream side of the Washington Street bridge, on the center pier, 3.5 mi southeast of Naperville (Normantown 7.5-minute quadrangle).

To reach gage.—From north: From intersection of State Highway 34 and Washington Street, drive south on Washington Street approximately 4 mi. Rain gage is mounted to the center pier on the downstream side of the bridge.

From south: From the intersection of Royce Road and Washington Street, drive north on Washington Street approximately 0.5 mi.

Drainage basin.—West Branch Du Page River.

Gage.—An 8-in.-diameter, unheated, tipping-bucket rain gage mounted on a steel post above the stream gage, which is mounted on the downstream side of the Washington Street bridge, on the center pier. The rain gage is approximately 8 ft above ground surface. The electronic data logger is housed in a weatherproof electrical enclosure.

Accuracy.—The rain gage records rainfall totals in 0.01-in. increments at 5-minute intervals.

Period of record.—May 26, 1989, to present. Periods of missing record exist because of equipment-related problems.

West Branch Du Page River near Naperville, Illinois—Continued

Rainfall, in inches, water year October 1991 to September 1992 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	.56	.00	.00	.05	.00	.00	.00	.00	.00	.71	.24	.16
3	.79	.00	.00	.00	.00	.00	.18	.00	.00	.00	.01	.01
4	1.80	.00	.00	.00	.00	.00	.07	.00	.27	.02	.00	.00
5	.24	.00	s.04	.00	.00	.05	.00	.00	.01	.13	.00	.00
6	.00	.00	s.19	.00	.00	.47	.00	.00	.08	.00	.00	.00
7	.00	.00	s.01	.00	.00	.13	.00	.00	.00	.19	.55	1.37
8	.00	.00	.53	.28	.00	.00	.00	.00	.00	.00	.00	.01
9	.00	.00	.00	.00	.00	.15	.00	.00	.00	.00	.00	3.46
10	.02	.00	.00	.01	s.02	.00	.24	.00	.00	.00	.06	.00
11	.00	.00	.00	.00	s.01	s.01	.00	.00	.00	.00	.00	.00
12	.00	.00	.38	.02	.00	.00	.00	.00	.00	m	.19	.00
13	.02	.00	.00	.05	.00	.00	.05	.00	.00	m	.00	.00
14	.21	.73	.05	.00	s.24	.01	.13	.03	.00	m	.00	.21
15	.02	.26	.00	.00	.27	s.01	.96	.00	.00	m	.00	.00
16	.00	.00	.00	.00	.00	s.08	.24	.00	.00	m	.00	.00
17	.00	.05	.00	.00	.14	.00	.01	.00	.59	.13	.00	.32
18	m	.19	.00	.00	.33	.00	.08	.00	.01	.00	.00	.07
19	m	.28	.00	.00	.04	.00	.04	.00	.07	.00	.00	.00
20	m	.04	s.07	.00	.00	.00	.00	.00	.00	.01	.00	.23
21	m	.01	s.07	.00	.00	.00	.00	.00	.00	.00	.00	.22
22	m	.00	s.04	s.29	.00	s.27	.00	.00	.01	.18	.00	.00
23	m	.08	s.12	s.03	.00	s.16	.24	.06	.01	.04	.00	.00
24	m	.00	.00	.00	.41	.00	.13	.00	.00	.00	.00	.00
25	m	.00	.00	.00	.00	.00	.00	.00	.00	.02	.09	.00
26	m	.00	s.01	s.02	.00	.01	.12	.01	.00	.11	.51	.73
27	m	s.11	.00	s.14	.00	.00	.00	.00	.00	.00	.64	.00
28	.11	.60	.00	.00	.01	.09	.00	.00	.00	.00	.00	.00
29	.46	.39	.00	.00	.00	.14	.02	.00	.00	.02	.00	.00
30	.61	.00	.00	.00	--	.00	.00	.00	.00	.58	.00	.00
31	.00	--	.00	.00	--	.02	--	.00	--	.00	.00	--
Total	nc	3.17	1.51	0.89	1.47	1.75	2.51	0.10	1.05	nc	2.29	6.79

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

West Branch Du Page River near Naperville, Illinois—Continued

Rainfall, in inches, water year October 1992 to September 1993 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	1.28	0.00	0.00	0.00	0.00	s0.02	0.03	0.01	0.00	0.00	0.00
2	.00	.16	s.03	.04	.00	s.08	s.05	.32	.14	.14	.00	.22
3	.00	.86	.00	s.39	.00	s.01	.00	.06	.03	.04	.00	.01
4	.00	.00	.00	s1.21	.00	s.07	.00	.44	1.06	.00	.00	.00
5	.00	.04	.00	s.01	.00	.00	.00	.00	.00	.24	.02	.03
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	.42
7	.00	.00	.00	s.01	.00	.00	.00	.00	2.50	.00	.00	.00
8	.07	.00	.00	.00	.00	.00	.77	.00	1.59	.00	.00	.00
9	.01	.31	.00	.00	.00	.00	.00	.00	.00	.00	.36	.00
10	.01	.31	s.05	.00	.00	s.02	.00	.00	.00	.03	.00	.00
11	.00	.09	s.20	.00	.00	.00	.00	.00	.00	.00	.00	.52
12	.00	.60	.00	s.01	.00	s.03	.00	.00	.00	.00	.26	.00
13	.00	.03	.00	.00	s.12	.00	.00	.00	.00	.14	.00	.16
14	.30	.00	.00	s.01	.00	.00	.42	.00	.55	.00	.00	1.29
15	.06	.00	1.00	.00	.00	.00	.73	.00	.00	.00	1.14	.00
16	.00	.00	.00	.00	s.02	.37	.01	.04	.00	.00	.01	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.41	.00	.00	.00
18	.00	.00	.00	s.01	.00	.01	.00	.00	.33	.91	.00	.00
19	.00	.12	s.04	s.01	.00	.00	.78	.00	.61	.03	.14	.00
20	.00	.21	.00	s.37	.00	s.16	.26	.00	.03	.00	.01	.00
21	.00	.16	.01	s.47	.00	s.04	.00	.00	.00	.00	.00	.00
22	.00	.16	.00	s.02	.00	s1.43	.00	.32	.00	.00	.00	.02
23	.00	.11	.00	.00	.00	s.24	.00	.27	.00	.00	.07	.00
24	.00	.01	.00	.00	.00	s.01	.00	.00	.05	.14	.00	.00
25	.00	.10	.00	.00	.00	.00	.00	.00	.02	.52	.00	.81
26	.00	.10	.00	.00	.00	.00	.00	.00	.02	.00	.00	.14
27	.00	.04	.00	.00	s.24	.00	.01	.00	.08	.00	.00	.13
28	.00	.00	.00	s.01	.00	.00	.10	.21	1.35	.07	.06	.00
29	.00	.00	.53	.00	--	.00	.42	.00	.00	.00	1.13	.00
30	.00	.00	1.34	.00	--	.00	.01	.71	.51	.00	.18	.00
31	.15	--	.01	.00	--	1.47	--	.01	--	.00	.07	--
Total	0.60	4.69	3.21	2.57	0.38	3.94	3.58	2.41	9.29	2.26	3.74	3.75

s Snowfall-affected precipitation.

West Branch Du Page River near Naperville, Illinois—Continued

Rainfall, in inches, water year October 1993 to September 1994 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.00	s0.28	s0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00
2	.00	.07	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	s.02	.00	.00	.00	.00	.00	.00	.40	.09
4	.00	.00	.07	.00	.00	.00	.00	.00	.00	.01	1.32	.06
5	.00	.00	.02	.00	s.01	.01	.00	.06	.00	.00	.00	.08
6	.00	s.01	.05	s.13	.00	.00	.00	.01	.00	.02	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.25	.09	.18	.00	.00
8	.56	.00	.00	.00	.00	.00	.00	.00	.26	.02	.00	.00
9	.20	.00	.00	s.04	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.00
11	.00	.00	.00	s.02	s.02	.00	.30	.04	.40	.00	1.83	.00
12	.00	m	.00	.00	.00	.04	1.20	.00	.00	.38	.01	.00
13	.00	m	.00	.00	s.16	.05	.13	.00	m	.00	1.16	.00
14	.00	m	.22	.00	.00	.00	.00	.08	m	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.11	.01	m	.00	.00	.00
16	m	.00	.01	.00	s.01	.00	.00	.00	m	.00	.00	.00
17	m	.05	.08	.00	.00	.00	.00	.00	m	.02	.00	.00
18	.00	.00	.25	.00	.00	.00	.00	.00	m	.00	.00	.00
19	.00	.00	.01	.00	1.05	.00	.00	.00	m	.46	.82	.00
20	.19	.00	.00	.00	.12	.00	.00	.00	m	.38	.01	.00
21	.00	.00	.00	.00	.00	.18	.00	.00	m	.50	.00	.00
22	.00	.00	.00	s.03	.00	.00	.00	.00	m	.00	.00	.34
23	.00	.00	s.01	.00	s.01	.00	.00	.03	m	.00	.00	.49
24	.00	.01	.00	s.01	s.05	.00	.00	.00	m	.00	.00	.79
25	.00	.34	.00	s.02	s.02	.00	.03	.22	m	.04	.00	.08
26	.00	.34	.00	s.01	s.09	.30	.08	.01	m	.00	.16	.00
27	.00	s.02	.00	s.01	s.04	.05	.01	.00	m	.00	.00	.03
28	.00	s.02	.00	.00	s.08	.01	.41	.00	m	.00	.06	.00
29	.00	.00	.00	s.01	--	.00	.01	.00	.21	.00	.01	.00
30	.00	.00	.00	.00	--	.00	.71	.00	.00	.00	1.02	.00
31	.00	--	.00	.00	--	.00	--	.00	--	.00	.00	--
Total	nc	nc	1.06	0.31	1.66	0.64	2.99	0.71	nc	2.01	7.19	1.96

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

West Branch Du Page River near Naperville, Illinois—Continued

Rainfall, in inches, water year October 1994 to September 1995 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.08	0.00	s0.01	0.02	0.00	0.01	0.00	m	0.00	0.06	0.00
2	.00	.00	.07	.00	.00	.01	.00	.00	m	.00	m	.00
3	.00	.44	.08	.00	.00	.00	.09	.00	m	.00	m	.00
4	.00	.28	.00	.00	.00	.00	.00	.02	m	.83	m	.00
5	.00	1.08	.15	s.01	.00	s.23	.00	.00	m	.10	.00	.00
6	.00	.03	.81	.00	.00	s.02	.00	.00	m	.00	.00	.01
7	.08	.00	s.42	.00	.00	s.29	.03	.00	m	.00	.00	.74
8	.68	.11	s.08	.00	.00	s.03	.00	.78	m	.00	.01	.00
9	.00	.52	s.32	.00	.00	s.01	1.10	.84	m	.04	.00	.00
10	.00	.00	s.02	.00	.00	.00	.92	.47	m	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.71	.00	m	.00	.00	.00
12	.00	.00	.00	s.01	.00	.00	.08	.00	0.00	.00	.00	.00
13	.00	.39	.00	.95	.00	.00	.00	.17	.00	.00	.00	.00
14	.00	.10	.00	.91	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	s.07	.00	s.02	.00	.00	.00	.00	.01	m	.00
16	.00	.00	s.33	.00	.00	.00	.03	m	.00	.03	m	.00
17	.06	.00	.00	.00	s.01	.00	.04	m	.00	.00	.00	.00
18	.08	.00	.00	.00	.00	.06	.69	m	.00	.00	.00	.00
19	.05	.00	.00	s.72	.00	.05	.00	m	.00	.00	.00	.00
20	.00	.19	.00	.00	s.01	.31	.01	m	.00	.02	.00	.02
21	.00	.06	.00	.00	.00	.00	.09	m	.00	.01	.00	.20
22	.00	.00	s.01	s.01	.00	.12	.00	m	.00	.12	.00	.00
23	.00	.00	.00	s.07	.02	.06	.00	m	.00	.03	.00	.00
24	.00	.00	.00	s.02	.00	.01	.02	m	.00	.02	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	m	.00	.01	.00	.00
26	.00	.00	s.01	.00	.40	.05	1.17	m	m	m	.00	.00
27	.00	1.16	.00	.00	.24	.79	.33	m	m	m	.00	.00
28	.00	.00	.00	s.02	.06	.10	.00	m	m	.00	.02	.00
29	.00	.00	s.01	.00	--	.00	.08	m	.00	.01	.00	.00
30	.02	.00	.00	.00	--	.00	.11	m	.00	.00	.00	.11
31	2.33	--	.00	.00	--	.00	--	m	--	.00	.00	--
Total	3.30	4.44	2.38	2.73	0.78	2.14	5.51	nc	nc	nc	nc	1.08

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

St. Joseph Creek at State Highway 34 at Lisle, Illinois

Site identifier.—5

Station number.—05540195

Location.—Latitude 41°48'06", longitude 88°04'08", in SE1/4SW1/4SW1/4 sec.2, T.38 N., R.10 E., Du Page County, on the left downstream wingwall of the bridge on State Highway 34 (Ogden Avenue) in Lisle (Wheaton 7.5-minute quadrangle).

To reach gage.—From west: From the intersection of State Highway 53 and State Highway 34 in Lisle, drive east on State Highway 34 approximately 0.4 mi. The gage is located on the north side of State Highway 34 approximately 300 ft east of Lacey Road.

Drainage basin.—St. Joseph Creek.

Gage.—An 8-in.-diameter, unheated, tipping-bucket rain gage mounted on a steel pole, which is bolted to the side of the Tennessee shelter stream-gaging station. The rain gage is approximately 8 ft above the ground surface.

Accuracy.—The rain gage records rainfall totals in 0.01-in. increments at 5-minute intervals.

Period of record.—July 11, 1989, to present. Periods of missing record exist because of equipment-related problems.

St. Joseph Creek at State Highway 34 at Lisle, Illinois—Continued

Rainfall, in inches, water year October 1991 to September 1992 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.33	0.00	0.00	0.00	m	0.00	m	m	m	m	m
2	.31	.00	.00	.01	.00	m	.00	m	m	m	m	m
3	.47	.00	.00	.00	.00	m	.02	m	m	m	m	m
4	1.87	.00	.00	.00	.00	m	.06	m	m	m	m	m
5	.02	.00	.00	.00	.00	m	.00	m	m	m	m	m
6	.00	.00	s.11	.00	.00	m	.00	m	m	m	m	m
7	.00	.00	.00	.00	.00	m	.00	m	m	m	m	m
8	.00	.00	.01	.12	.00	m	.00	m	m	m	m	m
9	.00	.00	.01	.00	.00	m	.00	m	m	m	m	m
10	.01	.00	.00	.00	s.01	m	.25	m	m	m	m	m
11	.02	.00	.00	.00	.00	m	.01	m	m	m	m	m
12	.00	.00	.15	.02	.00	m	.00	m	m	m	m	m
13	.04	.00	.00	.00	.00	m	.00	m	m	m	m	m
14	.14	.45	.00	.01	s.12	m	.04	m	m	m	m	p0.95
15	.00	.24	.00	.00	m	m	.31	m	m	m	m	.00
16	.00	.00	.01	.00	m	m	.13	m	m	m	m	.00
17	.00	.02	.00	.00	m	m	.02	m	m	m	m	.20
18	.17	.17	.00	.00	m	m	.02	m	m	m	m	.10
19	.00	.16	.00	.00	m	m	.02	m	m	m	m	.00
20	.00	.07	s.04	.00	m	m	.00	m	m	m	m	.20
21	.00	.00	s.07	.00	m	m	.00	m	m	m	m	.13
22	.00	.00	.00	s.01	m	m	.00	m	m	m	m	.00
23	.00	.07	s.03	.00	m	m	.09	m	m	m	m	.00
24	.70	.00	.00	.01	m	m	.01	m	m	m	m	.00
25	.58	.00	.00	.00	m	m	.00	m	m	m	m	.00
26	1.46	.00	.00	.00	m	m	.03	m	m	m	m	.93
27	.00	s.08	.00	.00	m	m	.00	m	m	m	m	.00
28	.09	.36	.00	.00	m	m	.00	m	m	m	m	.00
29	.36	.20	.00	.00	m	m	m	m	m	m	m	.00
30	.45	.01	.00	.00	--	m	m	m	m	m	m	.00
31	.00	--	.00	.00	--	m	--	m	--	m	m	--
Total	6.69	2.16	0.43	0.18	nc	nc	nc	nc	nc	nc	nc	nc

m Missing record.

p Partial record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

St. Joseph Creek at State Highway 34 at Lisle, Illinois—Continued

Rainfall, in inches, water year October 1992 to September 1993 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	1.31	0.00	0.00	0.00	s0.07	s0.07	0.03	0.02	0.02	0.00	0.00
2	.00	.27	s.02	s.06	.00	s.14	s.10	.23	.05	.00	.00	.36
3	.00	.82	.00	s.27	.00	s.02	.00	.17	.02	.03	.00	.13
4	.00	.05	.00	s1.16	.00	s.16	.00	.14	1.04	.00	.00	.00
5	.00	.04	.00	.00	.00	.00	.00	.00	.00	.40	.10	.03
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.45	.32
7	.00	.00	.00	.00	.00	.00	.00	.00	1.10	.09	.00	.00
8	.16	.00	.00	.00	.00	.00	.62	.00	1.42	.00	.00	.07
9	.01	.34	.00	.00	.00	.00	.00	.00	.00	.00	.44	.00
10	.01	.31	.00	.00	.00	s.17	.00	.00	.00	.00	.00	.00
11	.00	.05	s.22	.00	.00	.00	.00	.00	.00	.01	.00	.10
12	.00	.67	.00	s.39	.00	s.03	.00	.00	.00	.00	.00	.01
13	.00	.00	.00	s.03	s.14	.00	.00	.00	.00	.12	.00	.89
14	.35	.00	.00	s.02	.00	.00	.50	.00	.65	.00	.00	1.60
15	.10	.00	.96	.00	.00	.00	1.00	.00	.00	.00	.84	.00
16	.01	.00	.00	.00	s.10	.40	.03	.06	.00	.00	.01	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.14	.00	.00	.00
18	.00	.00	.00	.00	.00	.01	.00	.00	.56	.82	.00	.00
19	.03	.12	s.07	.00	.00	.00	.98	.00	.74	.14	.07	.00
20	.05	.26	.00	s.37	.00	s.21	.40	.00	.00	.00	.00	.05
21	.00	.12	.00	.52	s.02	s.04	.00	.00	.00	.00	.00	.00
22	.00	.41	.00	.00	s.01	s1.30	.00	.28	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	s.30	.00	.24	.00	.01	1.16	.00
24	.00	.01	.00	.00	.00	s.01	.02	.00	.00	.10	.00	.00
25	.00	.27	.00	.00	.00	.00	.00	.00	.02	.70	.00	.90
26	.00	.00	.00	.00	s.04	.00	.00	.00	.61	.00	.00	.19
27	.00	.00	.00	.00	s.24	.00	.02	.00	.10	.00	.00	.21
28	.00	.00	.00	s.01	.00	.00	.18	.22	1.16	.03	.01	.00
29	.00	.00	.50	.00	--	.00	.50	.01	.00	.00	.91	.00
30	.00	.00	1.31	.00	--	.00	.01	.75	.85	.00	.19	.01
31	.11	--	.00	.00	--	1.68	--	.01	--	.00	.15	--
Total	0.83	5.05	3.08	2.83	0.55	4.54	4.43	2.14	8.48	2.48	4.33	4.87

s Snowfall-affected precipitation.

St. Joseph Creek at State Highway 34 at Lisle, Illinois—Continued

Rainfall, in inches, water year October 1993 to September 1994 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.00	s0.30	s0.01	0.00	s0.18	0.00	0.00	0.00	0.00	1.57	0.00
2	.00	.10	.07	.00	.00	s.05	.00	.00	.00	.01	.00	.00
3	.00	.00	.00	s.01	.00	.00	.00	.00	.00	.00	.27	.07
4	.00	.00	.05	.00	.00	.00	.00	.00	.00	.12	.67	.01
5	.00	.00	.01	.00	.00	.00	.00	.04	.00	.00	.00	.03
6	.00	.00	.03	s.01	s.03	.00	.00	.00	.00	.14	.00	.00
7	.00	s.01	.00	.00	.00	.00	.00	.19	.03	.37	.00	.00
8	.63	.00	.00	.00	.00	.00	.00	.00	.12	.05	.00	.00
9	.32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.38	.00
11	.00	.00	.00	s.18	.00	.00	.21	.02	.24	.00	1.80	.00
12	.00	.58	.00	.00	.00	.04	1.00	.00	.01	.19	.00	.00
13	.00	.00	.00	.00	.00	.03	.11	.00	.13	.00	1.37	.00
14	.00	.12	.14	.00	s.24	.00	.00	.05	.62	.00	.00	.00
15	.04	.00	.00	.00	.00	.00	.04	.00	.00	.00	.00	.00
16	.56	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.37	.02	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.35	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.01	.00	.00	1.11	.00	.00	.00	.00	.29	.57	.00
20	.32	.00	.00	.00	.19	.04	.00	.00	.61	.17	.04	.00
21	.00	.00	.00	.00	.00	.23	.00	.00	.00	.37	.00	.00
22	.00	.00	.00	s.02	.00	.00	.00	.00	.00	.00	.00	.38
23	.00	.00	.00	.00	s.02	.00	.00	.13	2.18	.00	.00	.32
24	.00	.06	.00	.00	.00	.00	.00	.01	.58	.00	.00	.97
25	.00	.30	.00	s.02	s.01	.00	.03	.08	.00	.12	.00	.08
26	.00	.40	.00	.00	s.01	.27	.03	.00	.00	.00	.20	.04
27	.00	s.01	.00	s.03	.00	.05	.00	.00	.00	.00	.00	.01
28	.00	.00	.00	s.08	.00	.00	.37	.00	.00	.00	.00	.00
29	.00	.00	.00	s.02	--	.00	.01	.00	.07	.00	.00	.00
30	.00	.00	.00	.00	--	.00	.69	.00	.00	.00	.81	.00
31	.00	--	.00	.00	--	.00	--	.00	--	.00	.00	--
Total	2.24	1.61	1.01	0.38	1.61	0.89	2.49	0.52	4.59	1.83	8.68	1.91

s Snowfall-affected precipitation.

St. Joseph Creek at State Highway 34 at Lisle, Illinois—Continued

Rainfall, in inches, water year October 1994 to September 1995 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.13	0.00	0.00	s0.11	0.00	0.02	0.01	0.00	0.00	0.23	0.00
2	.00	.00	.02	.00	.00	.02	.00	.00	.37	.00	.16	.00
3	.00	.47	.10	.00	.00	.00	.12	.00	.00	.00	.13	.00
4	.00	.30	.00	.00	.00	.00	.00	.01	.00	1.08	.04	.00
5	.00	1.12	.14	.00	.00	s.16	.00	.00	.00	.29	.00	.00
6	.00	.03	.11	.00	.00	.00	.00	.00	.02	.00	.00	.00
7	.20	.00	s.52	s.02	.00	s.25	.02	.00	.00	.00	.05	.08
8	.61	.21	s.10	.00	.00	s.01	.00	.50	.00	.00	.00	.00
9	.00	.32	s.22	.00	.00	s.04	1.21	.83	.00	.04	.00	.00
10	.00	.00	.00	.00	.00	.00	.74	.54	.11	.00	.00	.00
11	.00	.00	.00	s.08	.00	.00	.74	.00	.00	.00	.00	.00
12	.00	.00	.00	s.01	.00	.00	.09	.00	.00	.00	.00	.00
13	.00	.36	.00	.87	.00	.00	.00	.13	.00	.00	.00	.00
14	.00	.11	.00	.95	.00	.00	.00	.00	.00	.00	.39	.00
15	.00	.00	s.26	.00	s.01	.00	.00	.00	.00	.00	1.03	.00
16	.00	.00	s.37	.00	.00	.00	.03	.30	.00	.00	1.77	.00
17	.00	.00	.00	.00	.00	.00	.08	.00	.00	.00	.01	.00
18	.04	.00	.00	.00	.00	.04	.64	.20	.00	.00	.00	.00
19	.00	.00	.00	s.77	.00	.03	.00	.00	.00	.00	.00	.01
20	.00	.13	.00	.00	.00	.27	.00	.00	.00	.17	.00	.00
21	.00	.10	.00	.00	.00	.00	.10	.00	.00	.00	.00	.26
22	.04	.00	.00	s.01	.00	.04	.00	.00	.00	.09	.00	.01
23	.00	.00	.00	s.01	.00	.02	.00	1.39	.00	.00	.00	.01
24	.00	.00	.00	.00	.00	.00	.03	.36	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.00
26	.00	.00	.00	.00	.45	.09	1.40	.00	.04	.43	.00	.00
27	.00	1.07	.00	.00	.21	.63	.42	.36	1.08	.21	.00	.00
28	.00	.00	.00	.00	.09	.05	.00	.26	.04	.03	.04	.00
29	.00	.00	.00	.00	--	.00	.06	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	--	.00	.13	.00	.00	.00	.00	.02
31	2.39	--	.00	.00	--	.00	--	.00	--	.01	.00	--
Total	3.28	4.35	1.84	2.72	0.87	1.65	5.83	4.94	1.66	2.35	3.85	0.39

s Snowfall-affected precipitation.

East Branch Du Page River at Bolingbrook, Illinois

Site identifier.—6

Station number.—05540250

Location.—Latitude 41°43'05", longitude 88°04'14", in SE1/4NE1/4SE1/4 sec.3, T.37 N., R.10 E., Will County, on the center pier of the downstream side of the bridge on Royce Road, 0.5 mi north of Bolingbrook and 4.8 mi northwest of Lemont (Romeoville 7.5- minute quadrangle).

To reach gage.—From north: From the intersection of State Highway 53 and State Highway 34, drive south on State Highway 53 approximately 6 mi to Royce Road. Turn west on Royce Road approximately 0.2 mi to the gage.

From south: From the intersection of Interstate 55 and State Highway 53, drive approximately 2 mi north on State Highway 53 to Royce Road. Turn west on Royce Road, approximately 0.2 mi to the gage.

Drainage basin.—East Branch Du Page River.

Gage.—An 8-in.-diameter, unheated, tipping-bucket rain gage mounted on a steel post above the stream gage, which is mounted on the center pier of the downstream side of the bridge on Royce Road. The rain gage is approximately 8 ft above the ground surface. The electronic data logger is housed in a weatherproof electrical enclosure within the stream-gage shelter.

Accuracy.—The rain gage records rainfall totals in 0.01-in. increments at 5-minute intervals.

Period of record.—May 30, 1989, to present.

East Branch Du Page River at Bolingbrook, Illinois—Continued

Rainfall, in inches, water year October 1991 to September 1992 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.49	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
2	.55	.06	.00	.01	.00	.00	.00	.00	.00	.74	.23	.11
3	.71	.00	.00	.00	.00	.00	.22	.00	.00	.01	.06	.00
4	1.84	.00	.00	.00	.00	.00	.09	.00	.07	.03	.01	.00
5	.01	.00	.00	.00	.00	.13	.00	.00	.01	.10	.00	.00
6	.00	.00	s.18	.00	.00	.22	.00	.00	.09	.00	.00	.00
7	.00	.00	s.22	m	.00	.12	.00	.00	.00	.22	.48	.75
8	.00	.00	.78	m	.00	.00	.00	.00	.00	.00	.00	.01
9	.00	.00	.00	m	.00	.15	.00	.00	.00	.00	.00	3.65
10	.02	.00	.01	m	s.01	.00	.11	.00	.00	.00	.09	.00
11	.00	.00	.00	m	s.01	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.30	m	.00	.00	.00	.03	.00	.30	.17	.00
13	.02	.00	.00	.03	.00	.01	.04	.00	.00	.52	.01	.00
14	.20	.66	.05	.00	s.04	.00	.06	.02	.00	.40	.00	.36
15	.00	.24	.00	.00	.12	.00	.83	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	s.07	.20	.12	.00	.15	.00	.00
17	.00	.03	.00	.00	.09	.00	.01	.00	.51	.10	.00	.33
18	.18	.16	.00	.00	.31	.00	.09	.00	.00	.02	.00	.03
19	.00	.35	.00	.00	.02	.00	.10	.00	.05	.00	.00	.00
20	.00	.07	s.04	.00	.00	.00	.00	.00	.00	.02	.00	.19
21	.00	.00	s.03	.00	.00	s.06	.00	.00	.00	.00	.00	.24
22	.00	.00	s.05	s.25	.00	s.04	.00	.00	.01	.19	.00	.00
23	.00	.09	s.14	s.03	.00	s.15	.22	.04	.01	.06	.00	.00
24	.48	.00	.00	.00	.36	.00	.12	.00	.00	.00	.00	.00
25	1.49	.00	.00	.00	.00	.00	.00	.00	.00	.03	.18	.00
26	1.39	.00	.00	.00	.00	.02	.09	.01	.00	.08	.39	.97
27	.00	s.10	.00	.00	.00	.00	.00	.00	.00	.00	.65	.00
28	.10	.74	.00	.00	.01	.07	.00	.00	.00	.00	.00	.00
29	.50	.37	.00	.00	.00	.11	.01	.00	.00	.01	.00	.00
30	.75	.00	.00	.00	--	.00	.00	.00	.00	.42	.00	.00
31	.00	--	.00	.00	--	.02	--	.00	--	.02	.00	--
Total	8.24	3.36	1.80	nc	0.97	1.17	2.19	0.23	0.75	3.42	2.27	6.64

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

East Branch Du Page River at Bolingbrook, Illinois—Continued

Rainfall, in inches, water year October 1992 to September 1993 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	1.28	0.00	0.00	0.00	s0.18	0.00	0.00	0.01	0.00	0.00	0.00
2	.00	.31	s.02	s.08	.00	.00	.00	.08	.06	.04	.00	.35
3	.00	.91	.00	s.39	.00	.00	.00	.13	.01	.00	.00	.00
4	.00	.00	.00	s1.23	.00	s.08	.00	.11	.97	.00	.00	.00
5	.00	.04	.00	.00	.00	.00	.00	.00	.00	.38	.04	.01
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.51	.28
7	.00	.00	.00	.00	.00	.00	.00	.00	2.99	.03	.00	.00
8	m	.00	.00	.00	.00	.00	.56	.00	1.57	.00	.00	.01
9	m	.25	.00	.00	.00	.00	.01	.00	.00	.00	.40	.00
10	m	.29	s.07	.00	.00	s.09	.00	.00	.00	.13	.00	.00
11	m	.05	s.18	.00	.00	.00	.00	.00	.00	.01	.00	.18
12	m	.57	s.03	.00	.00	.00	.00	.00	.00	.00	.17	.00
13	m	.00	.00	.00	s.01	.00	.00	.00	.00	.10	.00	.47
14	m	.00	.00	.00	.00	s.01	.49	.00	.40	.00	.00	1.71
15	m	.00	.82	.00	.00	.00	.95	.00	.00	.00	1.48	.00
16	.00	.00	.00	.00	.00	.09	.00	.04	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.39	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.21	1.13	.00	.00
19	.01	.10	s.05	.00	.00	.00	1.12	.00	.68	.00	.13	.00
20	.03	.20	.00	s.29	.00	s.01	.30	.00	.02	.00	.00	.00
21	.00	.11	.01	.53	s.11	.00	.00	.00	.00	.00	.00	.00
22	.00	.21	.00	.00	.00	s1.19	.00	.29	.00	.00	.00	.02
23	.00	.00	.00	.00	.00	s.19	.00	.32	.00	.00	.04	.00
24	.00	.01	.00	.00	.00	.00	.01	.00	.03	.12	.00	.00
25	.00	.22	.00	.00	.00	.00	.00	.00	.04	.57	.00	.90
26	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.09
27	.00	.00	.00	.00	.00	.00	.00	.00	.08	.00	.00	.11
28	.00	.00	.00	.00	.00	.00	.07	.19	1.33	.02	.04	.00
29	.00	.00	.56	.00	--	.00	.46	.00	.00	.00	1.09	.00
30	.00	.00	1.35	.00	--	.00	.00	.38	.56	.00	.23	.00
31	.13	--	.00	.00	--	1.11	--	.00	--	.00	.10	--
Total	nc	4.55	3.09	2.52	0.12	2.95	3.97	1.54	9.37	2.55	4.23	4.13

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

East Branch Du Page River at Bolingbrook, Illinois—Continued

Rainfall, in inches, water year October 1993 to September 1994 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.00	s0.16	0.00	0.00	s0.24	0.00	0.00	0.00	0.00	0.09	0.00
2	.00	.10	.07	.00	.00	s.21	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	s.02	.00	.00	.00	.00	.15	.08
4	.00	.00	.06	.00	.00	.00	.00	.00	.00	.22	.97	.01
5	.00	.00	.01	.00	.00	.01	.00	.07	.00	.00	.00	.02
6	.00	.00	.07	s.02	.00	.00	.00	.01	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.18	.11	.32	.00	.00
8	.90	.00	.00	.00	.00	.00	.00	.00	.19	.04	.00	.00
9	.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	s.01	.00	s.01	.00	.00	.00	.00	.19	.04
11	.00	.00	.00	s.08	.00	.00	.23	.02	.44	.00	1.49	.00
12	.00	.51	.00	.00	s.15	.04	1.22	.00	.00	.20	.00	.00
13	.00	.00	.00	.00	.00	.04	.12	.00	.15	.00	1.02	.00
14	.00	.10	.17	.00	s.03	.00	.00	.10	.46	.03	.00	.00
15	.01	.00	.00	.00	.00	.00	.07	.00	.00	.00	.00	.00
16	.48	.00	.00	s.03	.00	.00	.00	.00	.00	.00	.00	.00
17	.37	.04	.08	.00	.00	s.03	.00	.00	.00	.11	.00	.00
18	.01	.01	.33	.00	.00	.00	.01	.00	.00	.00	.00	.00
19	.00	.01	.00	.00	.92	.00	.00	.00	.00	.29	.39	.00
20	.28	.00	.00	.00	.10	.00	.00	.00	.10	.31	.01	.00
21	.00	.00	.00	.00	.00	.13	.00	.00	.00	.83	.00	.00
22	.00	.00	.00	s.01	.00	.00	.00	.00	.00	.02	.00	.31
23	.00	.00	.00	.00	s.02	.00	.00	.10	1.71	.00	.00	.36
24	.00	.07	.00	.00	.00	.01	.00	.00	.62	.00	.00	.56
25	.00	.33	.00	s.02	s.11	.00	.01	.21	.00	.03	.00	.04
26	.00	.38	.00	s.02	s.13	.29	.03	.01	.00	.00	.20	.01
27	.00	.00	.00	s.01	.00	.05	.00	.00	.01	.00	.00	.01
28	.00	.00	.00	s.01	s.04	.01	.38	.00	.00	.00	.03	.00
29	.00	.00	.00	.00	--	.00	.00	.00	.13	.00	.00	.00
30	.00	.00	.00	.00	--	.00	.54	.00	.00	.00	.82	.00
31	.00	--	.00	.00	--	.01	--	.00	--	.00	.00	--
Total	2.24	1.55	0.95	0.21	1.50	1.10	2.61	0.70	3.92	2.40	5.36	1.44

s Snowfall-affected precipitation.

East Branch Du Page River at Bolingbrook, Illinois—Continued

Rainfall, in inches, water year October 1994 to September 1995 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.07	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.10	0.00
2	.00	.00	.06	.00	.00	.00	.00	.00	1.01	.00	.11	.00
3	.00	.36	.06	.00	.00	.00	.06	.00	.00	.00	.17	.00
4	.00	.26	.00	.00	.00	s.01	.00	.02	.00	.78	.02	.00
5	.00	1.10	.13	s.01	.00	s.19	.00	.00	.00	.11	.00	.00
6	.00	.02	.76	.00	.00	.00	.00	.00	.02	.00	.00	.00
7	.07	.00	s.32	.00	.00	s.36	.02	.00	.33	.00	.00	.66
8	.57	.06	s.09	.00	.00	.00	.00	.47	.03	.00	.02	.00
9	.00	.35	s.22	.00	s.06	s.01	1.09	.68	.00	.05	.00	.00
10	.00	.00	.00	.00	.00	s.09	.79	.14	.18	.00	.00	.00
11	.00	.00	.00	s.13	.00	.00	.69	.00	.00	.00	.01	.00
12	.00	.00	.00	s.01	.00	.00	.07	.00	.00	.00	.00	.00
13	.00	.39	.00	.92	.00	.00	.00	.17	.00	.00	.00	.00
14	.00	.12	.00	.84	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	s.07	.00	s.01	.00	.00	.00	.00	.03	.53	.00
16	.00	.00	s.33	.00	.00	.00	.05	.26	.01	.00	.07	.00
17	.01	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00
18	.03	.00	.00	s.01	.00	.05	.50	.15	.00	.00	.00	.00
19	.03	.00	.00	s.80	.00	.03	.00	.00	.00	.00	.02	.00
20	.00	.13	.00	.00	.00	.26	.00	.00	.00	.02	.00	.00
21	.00	.09	.00	.00	.00	.00	.09	.00	.00	.00	.00	.24
22	.02	.00	.00	.00	.00	.09	.00	.00	.01	1.34	.00	.00
23	.00	.00	.00	.00	.01	.04	.00	1.41	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.02	.38	.00	.00	.01	.00
25	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00
26	.00	.00	.00	s.01	.29	.06	.93	.00	.23	.10	.00	.00
27	.01	.99	s.01	.00	.25	.38	.40	.31	.85	.38	.00	.00
28	.00	.00	.00	.00	.00	.04	.00	.33	.19	.00	.19	.00
29	.00	.00	.00	.00	--	.00	.06	.00	.00	.00	.01	.00
30	.01	.00	.00	.00	--	.00	.11	.00	.00	.00	.00	.08
31	2.11	--	.00	.00	--	.02	--	.00	--	.00	.00	--
Total	2.86	3.94	2.05	2.73	0.63	1.63	4.92	4.35	2.86	2.81	1.27	0.98

s Snowfall-affected precipitation.

Clarendon Hills Cemetery at Darien, Illinois

Site identifier.—7

Station number.—414552087585600

Location.—Latitude 41°45'52", longitude 87°58'56", in NW1/4NW1/4SE1/4 sec.21, T.38 N., R.11 E., Du Page County, on the northern perimeter of the cemetery road, within Clarendon Hills Cemetery (Hinsdale 7.5-minute quadrangle).

To reach gage.—From south: From the intersection of 75th Street and Cass Avenue, drive north on Cass Avenue approximately 0.7 mi to the cemetery entrance. Turn left into the cemetery. Bear right along the northern perimeter of the cemetery road. The rain gage is located on the north side of the cemetery road approximately 1,500 ft west of Cass Avenue.

Drainage basin.—St. Joseph Creek.

Gage.—An 8-in.-diameter, unheated, tipping-bucket rain gage mounted on a 4-in.-diameter steel post approximately 6 ft above the ground surface. An electronic data logger housed inside a weatherproof electrical enclosure is mounted on the steel post below the rain gage.

Accuracy.—The rain gage records rainfall totals in 0.01-in. increments at 5-minute intervals.

Period of record.—February 21, 1986, to present. Periods of missing record exist because of equipment-related problems.

Clarendon Hills Cemetery at Darien, Illinois—Continued

Rainfall, in inches, water year October 1991 to September 1992 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.57	0.00	0.00	0.00	s0.04	0.00	0.20	0.00	0.00	0.00	0.00
2	.84	.00	.00	.00	.00	.00	.00	.00	.00	.71	.13	.13
3	.43	.00	.00	.00	.00	.00	.01	.00	.00	.00	.50	.01
4	1.58	.00	.00	.00	.00	.00	.05	.00	.07	.28	.00	.00
5	.02	.00	.00	.00	.00	.08	.00	.00	.00	.10	.00	.00
6	.00	.00	s.26	.00	.00	.12	.00	.00	.03	.00	.00	.00
7	.00	.00	s.15	.00	.00	.00	.00	.00	.00	.08	.43	.72
8	.00	.00	.39	.19	.00	.00	.00	.00	.00	.00	.00	.02
9	.00	.00	.00	.00	.00	.17	.00	.00	.00	.01	.00	2.95
10	.01	.00	.00	.00	s.02	.00	.19	.00	.00	.00	.00	.00
11	.01	.00	.00	.00	.00	s.01	.00	.00	.00	.09	.00	.00
12	.00	s.01	.33	.02	.00	.00	.00	.00	.00	.35	.17	.00
13	.03	.00	.00	.04	.00	.00	.00	.00	.00	.85	.00	.00
14	.15	.62	m	.00	s.18	s.03	.00	.00	.00	.46	.00	.41
15	.00	.16	.00	.00	.24	.00	.61	.00	.00	.00	.00	.10
16	.00	.00	.00	.00	.00	s.08	.09	.15	.00	.12	.00	.00
17	.00	.01	.00	.00	.05	.00	.00	.00	.68	.01	.00	.26
18	.20	.18	.00	.00	.14	.00	.04	.00	.00	.06	.00	.05
19	.00	.59	.00	.00	.03	.00	.18	.00	.02	.00	.00	.00
20	.00	.03	m	.00	.00	.00	.00	.00	.00	.01	.00	.20
21	.00	.00	.00	s.10	.00	.00	.01	.00	.00	.00	.00	.22
22	.00	.00	m	s.19	.00	.00	.00	.00	.00	.12	.00	.00
23	.00	m	m	s.01	.00	s.26	.23	.04	.00	.02	.00	.00
24	.41	.00	.00	.00	m	.00	.04	.00	.05	.00	.00	.00
25	1.04	.00	.00	.00	.00	.00	.00	.00	.00	.04	.07	.00
26	1.37	.00	.00	.00	.00	.00	.04	.00	.00	.18	.30	.84
27	.01	s.12	.00	.00	.00	.00	.00	.00	.00	.00	.72	.00
28	.15	.52	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00
29	.20	.44	.00	.00	.00	.05	.02	.00	.00	.00	.00	.00
30	.79	.02	.00	s.10	--	.00	.00	.00	.00	.36	.00	.00
31	.00	--	.00	.00	--	.03	--	.00	--	.03	.00	--
Total	7.24	nc	nc	0.65	nc	0.90	1.51	0.39	0.85	3.88	2.32	5.91

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

Clarendon Hills Cemetery at Darien, Illinois—Continued

Rainfall, in inches, water year October 1992 to September 1993 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	1.55	0.00	0.00	0.00	s0.34	0.00	0.00	0.02	0.00	0.00	0.00
2	.00	.47	s.03	s.04	.00	s.04	.00	.03	.05	.01	.00	.28
3	.00	.84	.00	s.24	.00	.00	.00	.02	.00	.01	.00	.00
4	.00	.07	.00	s1.03	.00	s.02	.00	.01	.79	.01	.00	.00
5	.00	.04	.00	.00	.00	s.02	.00	.00	.00	.65	.01	.02
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.24	.32
7	.00	.00	.00	.00	.00	.00	.00	.00	1.99	.00	.00	.00
8	.06	.00	.00	.00	.00	.00	.56	.00	1.32	.00	.00	.01
9	.01	.32	.00	.00	.00	.00	.01	.00	.00	.00	.27	.02
10	.01	.22	.00	.00	.00	s.10	.00	.00	.00	.09	.00	.00
11	.00	.08	s.05	.00	.00	s.01	.00	.00	.00	.00	.00	.10
12	.00	.70	s.03	s.13	.00	.00	.00	.00	.00	.00	.00	.02
13	.00	.00	.00	s.05	s.08	.00	.00	.00	.00	.31	.00	.43
14	.33	.00	.00	.00	.00	.00	.36	.00	.31	.00	.00	1.72
15	.12	.00	1.21	.00	.00	s.38	.91	.00	.00	.00	.64	.00
16	.00	.00	.00	.00	.00	.16	.00	.05	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.23	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.16	.94	.00	.00
19	.01	.06	s.02	.00	.00	.00	1.02	.00	.29	.00	.14	.00
20	.06	.20	.00	s.32	.00	s.01	.22	.00	.00	.00	.00	.01
21	.00	.50	.00	.32	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.36	.00	.00	.00	s.95	.00	.14	.00	.00	.00	.00
23	.00	.04	.00	s.01	.00	s.23	.00	.23	.00	.01	.18	.00
24	.00	.01	s.24	.00	.00	.00	.52	.03	.01	.05	.00	.00
25	.00	.25	.05	.00	.00	.00	.00	.00	.01	.36	.08	1.13
26	.00	.00	.00	.00	.00	.00	.00	.00	.12	.00	.00	.13
27	.00	.00	.00	.00	.00	.00	.01	.00	.04	.00	.00	.11
28	.00	.00	.00	.00	s.01	.00	.06	.14	1.04	.02	.03	.00
29	.00	.00	.48	.00	--	.00	.30	.00	.00	.00	1.35	.01
30	.00	.00	.91	s.02	--	.00	.00	.67	.47	.00	.20	.02
31	.08	--	.00	s.01	--	1.28	--	.00	--	.00	.14	--
Total	0.68	5.71	3.02	2.17	0.09	3.54	3.97	1.32	6.85	2.47	3.28	4.33

s Snowfall-affected precipitation.

Clarendon Hills Cemetery at Darien, Illinois—Continued

Rainfall, in inches, water year October 1993 to September 1994 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.00	s0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.00
2	.00	.09	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.06	.05
4	.00	.00	.01	.00	.00	.00	.00	.00	.00	.23	.93	.02
5	.00	.00	.00	.00	.00	.01	.00	.05	.00	.00	.00	.03
6	.01	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	s.01	.00	.00	.00	.00	.00	.24	.07	.36	.00	.00
8	.64	.00	.00	.00	.00	.00	.00	.00	.18	.00	.00	.00
9	.30	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.74	.00
11	.00	.00	.00	.00	.00	.00	.25	.02	.45	.00	1.86	.00
12	.00	.46	.00	.00	.00	.04	1.14	.00	.00	.71	.00	.00
13	.00	.04	.00	.00	.00	.04	.09	.00	.29	.00	.92	.00
14	.00	.04	.04	.00	s.27	.00	.00	.04	.18	.00	.00	.00
15	.01	.00	.00	.00	.00	.00	m	.00	.00	.00	.00	.00
16	.34	.00	.00	.00	.00	.00	m	.00	.00	.00	.00	.00
17	.31	.02	.00	.00	.00	.00	.00	.00	.00	.06	.00	.00
18	.00	.00	.34	.00	.00	.00	.01	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.82	.00	.00	.00	.00	.22	.40	.00
20	.22	.00	.00	.00	.14	.16	.00	.00	.04	.05	.01	.00
21	.00	.04	.00	.00	.00	.12	.00	.00	.00	.28	.00	.00
22	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.35
23	.00	.00	.00	s.04	.00	.05	.00	.24	1.71	.00	.00	.32
24	.00	.05	.00	.00	.00	.06	.00	.01	.71	.00	.00	.61
25	.00	.17	.00	s.02	s.15	.00	m	.05	.00	.04	.00	.04
26	.00	.30	.00	.00	.00	.26	m	.00	.00	.00	.14	.02
27	.00	.00	.00	s.01	.00	.05	.01	.00	.01	.00	.00	.03
28	.00	.00	.00	s.08	.00	.02	.37	.00	.00	.00	.02	.00
29	.00	.00	.00	.00	--	.00	.00	.00	.03	.00	.00	.00
30	.00	.00	.00	.00	--	.00	.61	.00	.00	.00	.65	.00
31	.02	--	.00	.00	--	.00	--	.00	--	.00	.00	--
Total	1.85	1.23	0.63	0.15	1.38	0.83	nc	0.65	3.67	1.96	6.71	1.47

s Snowfall-affected precipitation.

nc Not completed because of missing record.

Clarendon Hills Cemetery at Darien, Illinois—Continued

Rainfall, in inches, water year October 1994 to September 1995 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	m	0.00
2	.00	.00	.01	.00	s.10	.00	.01	.00	.89	.00	m	.00
3	.00	.38	.06	.00	.00	.00	.05	.00	.01	.00	m	.00
4	.00	.24	.00	.00	.00	s.01	.00	.01	.00	.66	m	.00
5	.00	1.26	.10	.00	.00	s.09	.00	.00	.00	.12	m	.00
6	.00	.04	.16	.00	.00	.00	.00	.00	.01	.00	m	.01
7	.10	.00	s.27	.00	.00	s.15	.03	.00	.00	m	m	.37
8	.55	.11	s.00	.00	.00	.00	.00	.23	.00	m	m	.00
9	.00	.44	s.10	.00	.00	.00	.96	.61	.00	m	m	.00
10	.00	.00	.00	.00	s.10	s.01	.41	.06	.31	m	m	.00
11	.00	.00	.00	s.01	.00	.00	.41	.00	.00	m	m	.00
12	.00	.00	.00	s.01	.00	.00	.02	.00	.00	m	m	.00
13	.00	.35	.00	1.00	.00	.00	.00	.17	.00	m	m	.00
14	.00	.12	.00	.73	.00	.00	.00	.00	.00	m	m	.00
15	.00	.00	.00	.00	s.01	.00	.00	.00	.00	m	m	.00
16	.00	.00	s.24	.00	.00	.00	.00	.29	.00	m	m	.00
17	.00	m	.00	.00	.00	.00	.08	.01	.00	m	m	.00
18	.00	m	.00	.00	.00	.00	1.94	.14	.00	m	m	.00
19	.03	m	.00	s.85	.00	.00	.00	.00	.00	m	m	.01
20	.00	m	.00	.00	.00	.30	.01	.00	.00	m	m	.00
21	.00	m	.00	.00	.00	.00	.07	.00	.00	m	m	.22
22	.00	m	.00	.00	.00	.03	.00	.00	.00	m	m	.01
23	.00	m	.00	.00	.01	.00	.00	1.42	.00	m	0.00	.00
24	.00	m	.00	.00	.00	.00	.00	.45	.00	m	.00	.00
25	.00	m	.00	.00	.00	.00	.00	.02	.00	m	.00	.00
26	.00	m	.00	.00	.15	.05	.89	.00	.08	m	.00	.00
27	.00	m	.00	.00	m	.33	.44	.24	.09	m	.00	.00
28	.03	m	.00	.00	.00	.00	.00	.15	.10	m	.07	.00
29	.00	.00	.00	.00	--	.00	.05	.00	.00	m	.00	.00
30	.00	.00	.00	.00	--	.00	.15	.00	.00	m	.00	.02
31	2.26	--	.00	.00	--	.00	--	.00	--	m	.00	--
Total	2.97	nc	0.94	2.60	nc	0.97	5.52	3.80	1.49	nc	nc	0.64

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

National Accelerator Laboratory near West Chicago, Illinois

Site identifier.—8

Station number.—415131088143600

Location.—Latitude 41°51'31", longitude 88°14'36", in NW1/4SW1/4SW1/4 sec.17, T.39 N., R.9 E., Du Page County, on the east side of McChesney Road, just south of the Burlington Northern Railroad tracks near West Chicago (Naperville 7.5-minute quadrangle).

To reach gage.—From east: From the intersection of Batavia Road and State Highway 59, drive west on Batavia Road through the Fermilab East Entrance Gate to Eola Road. Turn north on Eola Road and drive approximately 1.0 mi to McChesney Road. Turn north on McChesney Road and proceed approximately 0.5 mi to the McChesney Road Gate. The rain gage is located on the east side of McChesney Road, adjacent to the guard shack.

From west: From the intersection of Farnsworth Road and Wilson Road, drive east on Wilson Road through the Fermilab Wilson Road Entrance Gate to McChesney Road. Turn north on McChesney Road and proceed approximate 0.5 mi to the McChesney Road Gate. The rain gage is located on the east side of McChesney Road, adjacent to the guard shack.

Drainage basin.—Kress Creek.

Gage.—A 12-in.-diameter, unheated, tipping-bucket rain gage mounted on a wooden post approximately 4 ft above the ground surface. An electronic data logger housed inside a weatherproof electrical enclosure is mounted on the wooden post below the rain gage.

Accuracy.—The rain gage records rainfall totals in 0.01-in. increments at 5-minute intervals.

Period of record.—April 5, 1989, to present. Periods of missing record exist because of equipment-related problems.

National Accelerator Laboratory near West Chicago, Illinois—Continued

Rainfall, in inches, water year October 1991 to September 1992 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	m
2	.34	.00	.00	.02	.00	.00	.00	.00	.00	.93	.27	m
3	.50	.00	.00	.00	.00	.00	.08	.00	.00	.00	.09	m
4	2.46	.00	.00	.00	.00	.00	.03	.00	.10	.07	.00	m
5	.02	.00	.00	.00	.00	.04	.00	.00	.00	.11	.00	m
6	.00	.00	.00	.00	.00	.63	.00	.00	.04	.00	.00	m
7	.00	.00	.00	.00	.00	.30	.00	.00	.00	.07	.27	m
8	.00	.00	.02	.18	.00	.00	.00	.00	.00	.00	.00	m
9	.00	.00	.00	.01	.00	.67	.00	.00	.00	.00	.00	m
10	.03	.00	.00	.00	.00	.00	.61	.00	.00	.00	.00	m
11	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	m
12	.00	.00	.41	.02	.00	.00	.00	.00	.00	.20	.19	m
13	.08	.00	.00	.01	.00	.00	.01	.00	.00	m	.01	m
14	.16	.83	.03	.00	s.12	.01	.05	.02	.00	m	.00	m
15	.00	.22	.00	.00	.34	.00	1.16	.00	.00	.00	.00	m
16	.00	.00	.00	.00	.00	s.09	.30	.02	.00	.16	.00	m
17	.00	.05	.00	.00	.07	.00	.03	.00	.95	.00	.00	m
18	.23	.12	.00	.00	.33	.00	.16	.00	.00	.27	.00	m
19	.00	.66	.00	.00	.02	.00	.04	.00	.02	.02	.00	m
20	.00	.01	s.03	.00	.00	.00	.06	.00	.00	.00	.00	m
21	.00	.00	.00	.00	.01	.00	.01	.00	.00	.00	.00	m
22	.00	.00	s.02	s.35	.00	s.05	.00	.00	.00	.15	.00	m
23	.00	.12	s.07	s.02	.00	s.32	.08	.09	.00	.04	.00	m
24	.35	.00	.00	.00	.42	.00	.07	.00	.01	.00	.00	m
25	1.09	.00	.00	.00	.00	.00	.00	.00	.00	.24	.22	m
26	.88	.00	.00	.00	.00	.00	.07	.00	.00	.01	.47	m
27	.00	s.09	.00	s.01	.00	.00	.00	.00	.00	.00	m	m
28	.08	.41	.00	.00	.02	.07	.00	.00	.00	.00	m	m
29	.48	.54	.00	.00	.00	.06	.02	.00	.00	.01	m	m
30	.28	.01	.00	.00	--	.00	.00	.00	.00	.61	m	m
31	.00	--	.00	.00	--	.00	--	.00	--	.00	m	--
Total	6.98	3.41	0.58	0.62	1.33	2.24	2.78	0.14	1.12	nc	nc	nc

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

National Accelerator Laboratory near West Chicago, Illinois—Continued

Rainfall, in inches, water year October 1992 to September 1993 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	m	1.21	0.00	0.00	0.00	s0.02	s0.02	0.00	0.01	0.00	0.00	0.00
2	m	.12	s.01	s.01	.00	s.09	.00	.00	.06	.00	.00	.33
3	m	.69	.00	s.12	.00	.00	.00	.00	.01	.00	.00	.04
4	m	.09	.00	s.93	.00	s.01	.00	.50	.75	.00	.00	.00
5	m	.01	.00	.00	.00	.00	.00	.00	.00	.21	.13	.03
6	m	.00	.00	.00	.00	.00	.00	.00	.00	.01	.23	.26
7	m	.00	.00	.00	.00	.00	.01	.00	m	.02	.00	.00
8	m	.00	.00	.00	.00	s.01	.85	.00	m	.00	.00	.04
9	m	.25	.00	.00	.00	.00	.00	.00	m	.00	.43	.00
10	m	.34	.00	.00	.01	s.05	.00	.00	m	.01	.00	.00
11	m	.05	s.06	.00	.00	.00	.00	.00	m	.00	.00	.09
12	m	.61	s.09	s.15	.00	.00	.00	.00	m	.00	.00	.00
13	m	.00	.00	.00	s.03	.00	.00	.00	m	.01	.00	.46
14	m	.00	.00	.00	.00	.00	.36	.00	m	.00	.00	.83
15	m	.00	.75	.00	.00	.00	.85	.00	m	.00	.76	.00
16	p0.00	.00	.00	.00	.00	.09	.00	.06	m	.00	.01	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	m	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	m	.70	.00	.00
19	.02	.08	s.01	.00	.00	.00	.78	.03	m	.02	.10	.00
20	.05	.17	.00	s.43	s.01	s.03	.16	.01	m	.00	.00	.00
21	.00	.14	.00	.35	.00	.00	.00	.00	m	.00	.00	.00
22	.00	.18	.00	.00	.00	s1.18	.00	.27	m	.00	.00	.00
23	.00	.00	.00	.00	.00	s.16	.00	.38	m	.00	2.12	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.02	.08	.00	.01
25	.00	.11	.00	.00	.00	.00	.00	.00	.06	.68	.00	.81
26	.00	.00	.00	.00	.00	.00	.00	.00	.45	.00	.02	.07
27	.00	.00	.00	.00	.00	.00	.02	.00	.12	.00	.00	.41
28	.00	.00	.00	s.01	.00	.00	.02	.36	.76	.03	.01	.00
29	.00	.00	.43	.00	--	.00	.25	.01	.00	.00	.38	.00
30	.00	.00	1.29	.00	--	.00	.00	.72	1.16	.00	.21	.00
31	.14	--	.00	.00	--	1.20	--	.01	--	.00	.14	--
Total	nc	4.05	2.64	2.00	0.05	2.84	3.32	2.35	nc	1.77	4.54	3.38

m Missing record.

p Partial record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

National Accelerator Laboratory near West Chicago, Illinois—Continued

Rainfall, in inches, water year October 1993 to September 1994 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.00	s0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00
2	.00	.05	.02	.00	.00	s.01	.00	.00	.00	.13	.00	.00
3	.00	.00	.00	.00	.00	s.04	.00	.00	.00	.00	.06	.11
4	.00	.00	.07	.00	.00	.00	.00	.00	.00	.00	.43	.02
5	.00	.00	.03	.00	.00	.00	.00	.03	.00	.00	.00	.03
6	.00	.00	.02	s.01	.00	.00	.00	.00	.00	m	.00	.01
7	.00	.00	.00	.00	.00	.00	.00	.06	.00	m	.00	.00
8	.43	.00	.00	.00	.00	.00	.00	.00	.05	m	.00	.00
9	.27	.00	.00	.00	.00	.00	.00	.00	.00	m	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.29	.00
11	.00	.00	.00	s.01	.00	.02	.11	.01	.13	.00	1.73	.00
12	.00	.49	.00	.00	.00	.03	.50	.00	.00	.18	.00	.00
13	.01	.00	.00	.00	.00	.01	.02	.00	.10	.00	1.81	.00
14	.00	.10	.06	.00	s.12	.01	.00	.20	.38	.00	.00	.00
15	.01	.00	.01	.00	.00	.00	.11	.00	.00	.00	.00	.00
16	.22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.25	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.01	.01	.22	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.02	.00	.00	.94	.00	.00	.00	.01	.14	.54	.00
20	.21	.00	.00	.00	.16	.13	.00	.00	.45	.42	.00	.00
21	.00	.00	.00	.00	.00	.18	.00	.00	.00	.01	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25
23	.00	.00	.00	s.06	.00	.00	.00	.20	3.62	.00	.00	.35
24	.00	.04	.00	.00	.00	.00	.00	.00	1.05	.00	.00	.64
25	.00	.28	.00	.00	.00	.00	.36	.15	.00	.02	.00	.09
26	.00	.29	.00	.00	.00	.08	.06	.00	.00	.00	.09	.03
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01
28	.00	.00	.00	s.01	s.01	.00	.23	.00	.00	.00	.01	.00
29	.00	.00	.00	.00	--	.00	.00	.00	.22	.00	.00	.00
30	.00	.00	.00	.00	--	.00	.34	.00	.00	.00	.49	.00
31	.00	--	.00	.00	--	.00	--	.00	--	.00	.00	--
Total	1.41	1.28	0.66	0.09	1.23	0.51	1.73	0.65	6.01	nc	7.56	1.54

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

National Accelerator Laboratory near West Chicago, Illinois—Continued

Rainfall, in inches, water year October 1994 to September 1995 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.17	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.07	0.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.97	.00	.19	.00
3	.00	.50	.00	.00	.00	.00	.09	.00	.02	.00	.07	.00
4	.00	.13	.00	.00	.00	.01	.00	.00	.00	1.32	1.18	.00
5	.00	1.05	.14	.00	.00	s.07	.00	.00	.00	.27	.01	.00
6	.00	.03	.06	.00	.00	.00	.00	.00	.49	.00	.00	.02
7	.13	.00	s.10	.00	.00	.00	.01	.00	.00	.00	.00	1.27
8	.73	.15	s.09	.00	.00	.00	.00	.52	.00	.00	.00	.00
9	.00	.21	s.03	.00	.00	.00	.97	.45	.00	.04	.00	.00
10	.00	.00	.00	.00	.00	.06	.28	.02	.13	.00	.00	.00
11	.00	.00	.00	s.01	.00	.00	.69	.00	.00	.00	.00	.00
12	.00	.00	.00	s.02	.00	.00	.01	.00	.00	.00	.00	.00
13	.00	.26	.00	.75	.00	.00	.00	.11	.00	.00	.00	.00
14	.00	.06	.00	1.10	.00	.00	.00	.01	.00	.00	.00	.00
15	.00	.00	s.05	.00	s.01	.00	.00	.00	.00	.00	1.60	.00
16	.00	.00	s.51	.00	.00	.00	.07	.31	.00	.00	1.16	.00
17	.01	.00	s.09	.00	.00	.00	.06	.01	.00	.00	.01	.00
18	.01	.00	.00	.00	.00	.06	.43	.24	.00	.00	.00	.00
19	.01	.00	.00	s.38	.00	.03	.00	.00	.00	.00	.00	.02
20	.00	.11	.00	.00	.00	.25	.00	.00	.00	.54	.00	.00
21	.00	.00	.00	.00	.00	.00	.12	.00	.00	.00	.00	.40
22	.01	.00	.00	.00	.00	.05	.00	.00	.00	.03	.00	.01
23	.00	.00	.00	.00	.01	.00	.00	1.34	.00	.81	.00	.00
24	.00	.00	.00	.00	.00	.00	.10	.26	.00	.01	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00
26	.00	.00	.00	.00	.30	.09	1.65	.00	.33	.18	.00	.00
27	.00	1.08	.00	.00	.12	.42	.44	.42	.25	.38	.00	.00
28	.00	.00	.00	.00	.00	.02	.00	.06	.00	.00	.15	.00
29	.00	.00	.00	.00	--	.00	.05	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	--	.00	.09	.00	.00	.00	.00	.23
31	2.20	--	.00	s.01	--	.00	--	.00	--	.00	.00	--
Total	3.10	3.75	1.07	2.27	0.44	1.06	5.07	3.78	2.19	3.58	4.44	1.95

s Snowfall-affected precipitation.

Du Page County Airport near St. Charles, Illinois

Site identifier.—9

Station number.—415457088150600

Location.—Latitude 41°54'57", longitude 88°15'06", in NW1/4SW1/4SE1/4 sec.30, T.40 N., R 9 E., Du Page County, on the north side of the airport service road, approximately 0.2 mi west of Keil Street near St. Charles (Geneva 7.5-minute quadrangle).

To reach gage.—From east: From the intersection of State Highway 64 and State Highway 59, drive west on State Highway 64 approximately 2.1 mi to Keil Street. Turn left on Keil Street and drive approximately 0.4 mi to the airport service road. Turn right on the airport service road and proceed approximately 0.2 mi. The rain gage is located on the north side of the service road, opposite the airport hangar buildings.

Drainage basin.—Kress Creek.

Gage.—A 12-in.-diameter, unheated, tipping-bucket rain gage mounted on a 4-in.-diameter steel post approximately 4 ft above the ground surface. An electronic data logger housed inside a weatherproof electrical enclosure is mounted on a steel post below the rain gage.

Accuracy.—The rain gage records rainfall totals in 0.01-in. increments at 5-minute intervals.

Period of record.—February 20, 1986, to present. Periods of missing record exist because of equipment-related problems.

Du Page County Airport near St. Charles, Illinois—Continued

Rainfall, in inches, water year October 1991 to September 1992 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.33	m	m	m	0.00	0.00	0.03	0.00	0.00	m	0.00
2	.14	.00	m	m	m	.00	.00	.00	.00	.54	m	.08
3	.35	.00	m	m	m	.00	.04	.00	.00	.00	m	.00
4	2.58	.00	m	m	m	.00	.03	.00	.05	.18	m	.00
5	.02	.00	m	m	m	.04	.00	.00	.00	.00	m	.00
6	.00	.00	m	m	m	.29	.00	.00	.03	.00	p0.00	.00
7	.00	.00	m	m	m	.29	.00	.00	m	.03	.35	.17
8	.00	.00	m	m	m	.00	.00	.00	m	.00	.00	.00
9	.00	.00	m	m	m	m	.00	.00	m	.00	.00	1.65
10	.02	.00	m	m	m	.00	.42	.00	m	.00	.00	.00
11	.01	.00	m	m	m	.00	.00	.01	m	.10	.00	.00
12	.00	.00	m	m	m	.00	.00	.00	m	.26	.26	.00
13	.07	.00	m	m	m	.00	.05	.00	m	.96	.00	.00
14	.10	.84	m	m	s0.07	.00	.04	.01	m	.12	.00	.46
15	.00	.23	m	m	.36	.00	m	.00	m	.00	.00	.32
16	.00	.00	m	m	.00	.00	.21	.11	m	m	.00	.00
17	.00	.00	m	m	.02	.00	.02	.00	m	m	.00	.11
18	.23	.10	m	m	.14	.00	.04	.00	m	m	.00	.25
19	.00	m	m	m	.00	.00	.04	.00	m	m	.00	.00
20	.00	m	m	m	.00	.00	.05	.00	m	m	.00	.22
21	.00	m	m	m	.00	.00	.01	.00	m	m	.00	.11
22	.00	m	m	m	.00	.00	.00	.00	m	m	.00	.00
23	.00	m	m	m	.00	s.11	.12	.10	m	m	.00	.00
24	.28	m	m	m	m	.00	.01	.00	m	m	.00	.00
25	1.18	m	m	m	.00	.00	.00	.00	m	m	.15	.00
26	.97	m	m	m	.00	.00	.00	.00	.00	m	.55	.24
27	.00	m	m	m	.00	.00	.00	.00	.00	m	.41	.00
28	.12	m	m	m	.00	.07	.00	.00	.00	m	.00	.00
29	.36	m	m	m	.01	m	.02	.00	.00	m	.00	.00
30	.26	m	m	m	--	.00	.02	.00	.00	m	.00	.00
31	.00	--	m	m	--	.01	--	.00	--	m	.00	--
Total	6.69	nc	nc	nc	nc	nc	nc	0.26	nc	nc	nc	3.61

m Missing record.

p Partial record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

Du Page County Airport near St. Charles, Illinois—Continued

Rainfall, in inches, water year October 1992 to September 1993 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	1.05	0.00	0.00	0.00	s0.01	0.00	0.03	m	0.00	0.00	0.00
2	.00	.10	.00	s.01	.00	s.07	s.01	.04	m	.00	.00	m
3	.00	m	.00	s.02	.00	.00	.00	.07	m	.00	.00	m
4	.00	.00	.00	s.02	.00	.00	.00	m	m	.00	.00	m
5	.00	.00	.00	s.02	.00	.00	.00	m	m	.67	.12	m
6	.00	.00	.00	.00	.00	.00	.00	m	m	.00	.07	m
7	.00	.00	.00	.00	.00	.00	.01	m	m	.18	.00	.00
8	.05	.00	.00	s.03	.00	.00	.64	m	m	.08	.00	.01
9	.00	.20	.00	.00	.00	.00	.00	m	m	.00	m	.00
10	.01	.21	.00	.00	.00	s.05	.00	m	m	.00	m	.00
11	.00	.04	s.14	.00	.00	.00	.01	m	m	.03	m	.05
12	.00	.52	s.01	s.09	.00	s.01	.00	m	m	.00	m	.00
13	.05	.00	.00	.00	s.04	.00	.01	m	m	.17	m	.35
14	.58	.00	.00	s.02	.00	.00	.41	m	m	.01	m	.55
15	.19	.00	.94	.00	.00	.00	.78	m	0.00	.00	m	.00
16	.00	.00	.00	.00	.00	.07	.00	m	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	m	.37	.01	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	m	.67	1.14	.00	.00
19	.03	.07	.00	s.01	.00	.00	.89	m	.27	.00	.21	.00
20	.04	.19	.00	s.22	.00	.00	.02	m	.02	.00	.00	.00
21	.00	.14	.00	.19	s.01	.00	.00	m	.00	.00	.00	.00
22	.00	.30	.00	.00	.00	s1.14	.00	m	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	s.17	.00	m	.00	.00	1.39	.00
24	.00	.01	.00	.00	.00	.00	.00	m	.00	.05	.00	.00
25	.00	.12	.00	.00	.00	.00	.00	m	.05	1.42	.00	.85
26	.00	.00	.00	.00	s.01	.00	.00	m	.39	.00	.00	.06
27	.00	.00	.00	.00	s.06	.00	.03	m	.14	.00	.00	.42
28	.00	.00	.00	.01	.00	.00	.01	m	.54	.04	.00	.00
29	.00	.00	.45	.00	--	.00	.31	m	.00	.00	.55	.00
30	.00	.00	.95	.00	--	.00	.00	m	1.09	.00	.36	.00
31	.12	--	.00	.00	--	1.21	--	m	--	.00	.06	--
Total	1.07	nc	2.49	0.64	0.12	2.73	3.13	nc	nc	3.80	nc	nc

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

Du Page County Airport near St. Charles, Illinois—Continued

Rainfall, in inches, water year October 1993 to September 1994 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.00	s0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00
2	.00	.06	.02	.00	.00	s.03	.00	.00	.00	.08	.00	.00
3	.00	.00	.00	s.01	.00	s.01	.00	.00	.00	.01	.04	.11
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.40	.01
5	.00	.00	.00	.00	.00	.01	.00	.02	.00	.00	.00	.01
6	.00	s.01	.00	s.07	.01	.00	.00	.00	.00	.37	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.20	.00	.20	.00	.00
8	.36	.00	.00	.00	.00	.00	.00	.00	.01	.21	.00	.00
9	.19	.00	.00	s.03	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.27	.00
11	.00	.00	.00	s.04	s.03	.01	.16	.01	.09	.00	1.17	.00
12	.00	.47	.00	.00	.00	.02	.68	.00	.00	.04	.01	.00
13	.00	.00	.00	.00	.00	.02	.04	.00	.08	.00	1.25	.00
14	.00	.11	.09	.00	s.13	.00	.00	.12	.43	.01	.00	.00
15	.02	.01	.00	.00	.00	.00	.17	.00	.00	.00	.00	.00
16	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.26	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.26	.00	.00	s.01	.00	.00	.00	.00	.00	.00
19	.00	.02	.00	.00	.86	.00	.00	.00	.04	.25	.67	.00
20	.17	.00	.00	s.01	.11	.11	.00	.00	1.35	.44	.00	.00
21	.00	.00	.00	.00	.00	.17	.00	.00	.00	.04	.00	.00
22	.00	.00	.00	s.01	.00	.00	.00	.00	.00	.00	.00	.22
23	.00	.00	.00	.00	s.02	.00	.00	.14	3.89	.00	.00	.22
24	.00	.10	.00	.00	.00	.00	.00	.01	1.18	.00	.00	m
25	.00	.16	.00	s.01	s.03	.00	.28	.29	.00	.00	.00	.16
26	.00	.25	.00	.00	s.01	.12	.00	.00	.00	.00	.11	m
27	.00	.00	.00	s.64	s.02	.04	.00	.00	.00	.00	.00	m
28	.00	s.01	.00	s.04	s.09	.00	.34	.00	.00	.00	.00	.00
29	.00	.00	.00	s.05	--	.00	.00	.00	.21	.00	.00	.00
30	.00	.00	.00	s.01	--	.00	.52	.00	.00	.00	.35	.00
31	.00	--	.00	.00	--	.00	--	.00	--	.00	.00	--
Total	1.15	1.20	0.56	0.92	1.31	0.55	2.26	0.79	7.28	1.66	5.34	nc

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

Du Page County Airport near St. Charles, Illinois—Continued

Rainfall, in inches, water year October 1994 to September 1995 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.03	0.00	0.00	0.00	0.00	m	m	0.00	0.00	m	m
2	.00	.00	.00	.00	.00	.00	m	m	1.62	.00	m	m
3	.00	.21	.00	.00	.00	.00	m	m	.04	.00	m	m
4	.00	.25	.00	.00	.00	.00	m	m	.00	m	m	m
5	.00	1.11	.13	.00	.00	.00	m	m	.00	m	m	m
6	.00	.02	.02	.00	.00	.00	m	m	1.44	.00	m	m
7	.04	.00	s.13	.00	.00	s.14	m	m	.00	.00	m	m
8	.23	.11	s.15	.00	.00	.00	m	p0.36	.00	.00	m	m
9	.00	.14	s.05	.00	.00	.00	m	.53	.00	.13	m	m
10	.00	.00	.00	.00	.00	.00	m	.00	.09	.00	m	m
11	.00	.00	.00	.00	.00	.00	m	.00	.00	.00	m	m
12	.00	.00	.00	s.01	.00	.00	m	.00	.00	.00	m	m
13	.00	.23	.00	.69	.00	.00	m	.13	.00	.00	m	m
14	.00	.27	.00	1.16	.00	.00	m	.00	.00	.00	m	m
15	.00	.04	s.11	.00	.00	m	m	.00	.00	.00	m	m
16	.00	.00	s.16	.00	.00	m	m	.33	.00	.00	m	m
17	.00	.00	.00	.00	.00	m	m	.00	.00	.00	m	m
18	.00	.00	.00	.00	.00	m	m	.37	.00	.00	m	m
19	.01	.00	.00	s.44	.00	m	m	.00	.00	.00	m	m
20	.00	.11	.00	.00	.00	m	m	.00	.00	.52	m	m
21	.00	.12	.00	.00	.00	m	m	.00	.00	.00	0.00	m
22	.00	.00	.00	.00	.00	m	m	.00	.00	.57	.00	0.01
23	.00	.00	.00	.00	.03	m	m	1.32	.00	1.21	.00	.00
24	.00	.00	.00	.00	.00	m	m	m	.00	.15	.00	.00
25	.00	.00	.00	.00	.00	m	m	m	.00	.00	.00	.00
26	.00	.00	.00	.00	.28	m	m	m	.67	.09	.00	.00
27	.00	.96	.00	.00	.05	m	m	m	.44	.48	.00	.00
28	.00	.00	.00	.00	.02	m	m	m	.00	m	.09	.00
29	.00	.00	.00	.00	--	m	m	m	.00	m	.00	.00
30	.01	.00	.00	.00	--	m	m	p.00	.00	m	.00	.27
31	1.73	--	.00	.00	--	m	--	.00	--	m	.00	--
Total	2.02	3.60	0.75	2.30	0.38	nc	nc	nc	4.30	nc	nc	nc

m Missing record.

p Partial record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

Bloomington Lift Station at Bloomington, Illinois

Site identifier.—10

Station number.—415651088051900

Location.—Latitude 41°56'51", longitude 88°05'19", in SW1/4SW1/4SW1/4 sec.15, T.40 N., R.10 E., Du Page County, at the Bloomington Lift Station in Bloomington (Lombard 7.5-minute quadrangle).

To reach gage.—From east: From the intersection of Schick Road and Bloomington Road, drive west on Schick Road approximately 0.4 mi to Rosedale Court. Turn south onto Rosedale Court. At the end of Rosedale Court, drive east on Leslie Lane for approximately 50 ft, and then turn south onto a service road leading to the lift station. Rain gage is enclosed within the lift station, approximately 300 ft south of Leslie Lane. The contact person for this rain gage is Mike Marchi of the village of Bloomington.

Drainage basin.—East Branch Du Page River.

Gage.—An 8-in.-diameter, heated, tipping-bucket rain gage mounted on a steel post approximately 6 ft above the ground surface. The electronic data logger is housed in a weatherproof electrical enclosure.

Accuracy.—The rain gage records rainfall totals in 0.01-in. increments at 5-minute intervals.

Period of record.—March 21, 1990, to present. Periods of missing record exist because of equipment-related problems.

Bloomington Lift Station at Bloomington, Illinois—Continued

Rainfall, in inches, water year October 1991 to September 1992 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.64	0.00	m	m	m	m	m	m	0.00	0.00	0.00
2	.26	.00	.00	m	m	m	m	m	m	.54	.09	.09
3	.41	.00	.00	m	m	m	m	m	m	.00	.26	.00
4	2.88	.00	.00	m	m	m	m	m	m	.04	.01	.00
5	.00	.00	.00	m	m	m	m	m	m	.00	.00	.00
6	.00	.00	s.29	m	m	m	m	m	0.02	.00	.00	.00
7	.00	.00	s.15	m	m	m	m	m	.00	.00	.36	.16
8	.00	.00	.06	m	m	m	m	m	.00	.01	.00	.01
9	.00	.00	.00	m	m	m	m	m	.00	.00	.00	1.49
10	.01	.00	.00	m	m	m	m	m	.00	.00	.00	.00
11	.01	.00	.00	m	m	m	m	m	.00	.00	.00	.00
12	.00	.00	.31	m	m	m	m	m	.00	.23	.35	.00
13	.05	.00	.00	m	m	m	m	m	.00	.88	.00	.00
14	.17	.68	.05	m	m	m	m	m	.15	.15	.00	.45
15	.00	.25	.00	m	m	m	m	m	.00	.00	.00	.80
16	.00	.00	.00	m	m	m	m	m	.00	.17	.00	.00
17	.00	.02	.00	m	m	m	m	m	1.26	.00	.00	.07
18	.25	.21	.00	m	m	m	m	m	.02	.25	.00	.37
19	.00	.59	.00	m	m	m	m	m	.00	.00	.00	.00
20	.00	.05	s.09	m	m	m	m	m	.00	.01	.00	.25
21	.00	.00	s.05	m	m	m	m	m	.00	.00	.00	.20
22	.00	.00	s.05	m	m	m	m	m	.00	.19	.00	.00
23	.00	.11	s.07	m	m	m	m	m	.00	.03	.00	.00
24	.49	.00	.00	m	m	m	m	m	.03	.00	.00	.00
25	1.32	.00	.00	m	m	m	m	m	.00	.07	.15	.00
26	.98	.00	.00	m	m	m	m	m	.00	.08	.53	.74
27	.00	s.11	.00	m	m	m	m	m	.00	.00	.48	.00
28	.13	.78	.00	m	m	m	m	m	.00	.00	.00	.00
29	.46	.51	.00	m	m	m	m	m	.00	.03	.00	.00
30	.37	.01	m	m	--	m	m	m	.00	.62	.00	.00
31	.00	--	m	m	--	m	--	m	--	.09	.00	--
Total	7.79	3.96	nc	nc	nc	nc	nc	nc	nc	3.39	2.23	4.63

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

Bloomington Lift Station at Bloomington, Illinois—Continued

Rainfall, in inches, water year October 1992 to September 1993 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	1.71	0.00	0.00	0.00	0.00	s0.04	0.01	0.02	0.00	0.00	0.00
2	.00	.23	s.01	s.08	.00	s.03	s.05	.03	.03	.01	.00	.24
3	.00	.72	.00	s.16	.00	.00	.00	.00	.01	.00	.00	.51
4	.00	.00	.00	s1.08	.00	s.05	.00	.19	.78	.00	.00	.00
5	.00	.00	.00	s.01	.00	.00	.00	.01	.00	.27	.17	.02
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08	.21
7	.00	.00	.00	.00	.00	.00	.02	.00	.85	.03	.00	.00
8	.04	.00	.00	s.05	.00	.00	.74	.00	1.35	.00	.00	.04
9	.01	.24	.00	.00	.00	.00	.01	.00	.00	.00	.29	.00
10	.00	.20	s.34	s.24	.00	s.12	.00	.00	.00	.00	.00	.00
11	.00	.04	s.05	s.04	s.01	s.28	.03	.00	.00	.04	.92	.06
12	.00	.53	.00	s.55	s.07	.00	.01	.00	.00	.00	.26	.00
13	.08	.00	.00	s.10	s.04	.00	.02	.00	.00	.16	.00	.34
14	.65	.00	.00	.00	.00	.00	.06	.00	.69	.01	.00	.91
15	.35	.00	.96	.00	.00	.00	.68	.00	.00	.00	.76	.01
16	.00	.00	.00	.00	.00	.22	.02	.06	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.02	.71	1.99	.00	.00
19	.03	.10	.00	.00	.00	s.01	1.54	.01	.25	.02	.28	.00
20	.06	.24	.00	s.19	.00	s.04	.14	.00	.01	.00	.01	.01
21	.00	.15	.00	.63	s.18	s.05	.00	.00	.00	.00	.00	.00
22	.00	.36	.00	.00	.00	s.22	.00	.26	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	s.01	.00	.35	.00	.00	1.26	.00
24	.00	.00	.00	.00	.00	.00	.01	.00	.00	.05	.00	.00
25	.00	.33	.00	.00	.00	.00	.00	.00	.03	.73	.00	.96
26	.00	.00	.00	.00	s.08	.00	.00	.00	.67	.00	.00	.08
27	.00	.00	.00	.00	s.04	.00	.02	.00	.22	.00	.00	.22
28	.00	.00	.00	.00	.00	.00	.10	.18	.43	.04	.00	.00
29	.00	.00	.46	.00	--	.00	.01	.00	.00	.00	.63	.01
30	.00	.00	1.24	.00	--	.00	.00	.48	.89	.00	.24	.00
31	.10	--	.00	.00	--	1.50	--	.00	--	.00	.11	--
Total	1.32	4.85	3.06	3.09	0.42	2.53	3.50	1.60	7.34	3.35	5.01	3.62

m Missing record.

s Snowfall-affected precipitation.

Bloomington Lift Station at Bloomington, Illinois—Continued

Rainfall, in inches, water year October 1993 to September 1994 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.00	s0.14	0.00	0.00	s0.13	0.00	0.00	0.00	0.00	0.19	0.00
2	.00	.03	.02	.00	.00	s.01	.00	.00	.00	.07	.00	.00
3	.00	.00	.00	s.01	.00	.00	.00	.00	.00	.00	.06	.07
4	.00	.00	.02	.00	.00	.00	.00	.00	.00	.01	.37	.01
5	.00	.00	.01	.00	.00	.01	.00	.01	.00	.00	.00	.02
6	.00	.00	.03	s.19	.00	.00	.00	.00	.00	.38	.00	.01
7	.00	.00	.00	.00	.00	.00	.00	.21	.00	.31	.00	.00
8	.36	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.01
9	.17	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
10	.00	.00	.00	s.05	.00	.00	.00	.00	.00	.00	.67	.00
11	.00	.00	.00	s.03	.00	.00	m	.02	.22	.00	.88	.00
12	.00	.44	.00	.00	s.01	.01	m	.00	.00	.02	.03	.00
13	.00	.00	.00	.00	s.01	.01	m	.00	.08	.00	1.33	.00
14	.00	.12	.09	.00	.00	.00	m	.07	.32	.03	.00	.00
15	.00	.00	.01	.00	.00	.00	m	.00	.00	.00	.00	.00
16	.22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.36	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.37	.00	.00	.00	.00	.00	.00	.00	.00	m
19	.00	.01	.00	.00	.83	.00	.00	.00	.00	.27	.55	m
20	.22	.00	.00	.00	.20	.15	.00	.00	1.23	.27	.00	m
21	.00	.00	.00	.00	.00	.18	.00	.00	.00	.15	.01	m
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	m
23	.00	.00	.00	.00	.00	.00	.00	.10	3.30	.00	.00	m
24	.00	.13	.00	.00	.00	.00	.00	.02	1.34	.00	.00	m
25	.00	.24	.00	s.04	s.01	.00	.16	.06	.00	.00	.00	m
26	.00	.35	.00	s.01	.00	.10	.03	.01	.00	.00	.02	m
27	.00	.00	.00	s.80	s.01	.02	.00	.00	.00	.00	.00	m
28	.00	.00	.00	s.02	s.02	.00	.42	.00	.00	.00	.00	p.00
29	.00	.00	.00	.00	--	.00	.00	.00	.02	.00	.00	.00
30	.00	.00	.00	s.01	--	.00	.56	.00	.00	.00	.45	.00
31	.00	--	.00	.00	--	.00	--	.00	--	.00	.00	--
Total	1.33	1.32	0.72	1.16	1.09	0.62	nc	0.50	6.53	1.53	4.56	nc

m Missing record.

p Partial record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

Bloomington Lift Station at Bloomington, Illinois—Continued

Rainfall, in inches, water year October 1994 to September 1995 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
2	.00	.00	.00	.00	.00	.01	.00	.00	.93	.00	.21	.00
3	.00	.39	.00	.00	.00	.00	.07	.00	.03	.00	.05	.00
4	.00	.19	.00	.00	.00	.00	.00	.00	.00	1.01	.23	.00
5	.00	1.18	.12	.00	.00	.00	.00	.01	.00	.12	.00	.00
6	.00	.02	.04	.00	.00	.00	.00	.00	.03	.00	.00	.00
7	.05	.00	s.01	s.02	.00	s.05	.03	.00	.00	.00	.00	1.07
8	.69	.13	s.13	.00	.00	s.01	.00	.45	.00	.00	.00	.00
9	.00	.25	s.02	.00	.00	.00	.99	.81	.01	.02	.06	.00
10	.00	.00	.00	.00	.00	.00	.43	.05	.32	.00	.00	.00
11	.00	.00	.00	s.02	.00	.00	.40	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00
13	.00	.16	.00	.53	.00	.00	.00	.11	.00	.00	.00	.00
14	.00	.05	.00	.97	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	s.05	.00	.00	.00	.00	.00	.00	.07	1.01	.00
16	.00	.00	s.17	.00	.00	.00	.06	.18	.00	.00	.72	.00
17	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.01	.00
18	.01	.00	.00	.00	.00	.03	.50	.32	.00	.00	.00	.00
19	.00	.00	.00	s.06	.00	.03	.00	.00	.00	.00	.00	.03
20	.00	.08	.00	.00	.00	.10	.01	.00	.00	.53	.00	.00
21	.00	.04	.00	.00	.00	.00	.07	.00	.00	.00	.00	.27
22	.01	.00	.00	.00	.00	.03	.00	.00	.00	.22	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	1.39	.00	.24	.00	.00
24	.00	.00	.00	.00	.00	.00	.11	.20	.00	.03	.00	.00
25	.00	.00	.00	.00	.00	.00	.01	.08	.00	.00	.00	.00
26	.00	.00	.00	.00	.28	.08	1.64	.00	.02	.06	.00	.00
27	.00	.88	.00	.00	.01	.58	.47	.53	.17	.23	.00	.00
28	.00	.00	.00	.00	.00	.02	.00	.06	.06	.00	.05	.00
29	.00	.00	.00	.00	--	.00	.04	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	--	.00	.10	.00	.00	.00	.00	.12
31	2.10	--	.00	.00	--	.00	--	.00	--	.00	.00	--
Total	2.86	3.43	0.54	1.60	0.29	0.94	5.00	4.19	1.57	2.53	2.35	1.49

s Snowfall-affected precipitation.

Elgin Wastewater Treatment Facility at Elgin, Illinois

Site identifier.—11

Station number.—420354088170500

Location.—Latitude 42°03'54", longitude 88°17'05", in NW1/4NE1/4SE1/4 sec.2, T.41 N., R.8 E., Kane County, within the wastewater treatment facility on the south side of the frontage road (along the south side of U.S. Highway 90), approximately 0.5 mi east of State Highway 31 in Elgin (Elgin 7.5-minute quadrangle).

To reach gage.—From west: From the intersection of U.S. Highway 90 and State Highway 31, drive south on State Highway 31 approximately 0.2 mi to the stop-light at the frontage road leading east. Turn east on the frontage road and proceed approximately 0.5 mi to the wastewater treatment facility entrance road. Turn south and proceed to the facility office. The rain gage is located approximately 100 ft west of the main building, near the settling ponds.

Drainage basin.—Fox River.

Gage.—An 8-in.-diameter, unheated, tipping-bucket rain gage mounted on a wooden post approximately 4 ft above the ground surface. The electronic data logger is housed in a weatherproof electrical enclosure mounted on the wooden post below the rain gage.

Accuracy.—The rain gage records rainfall totals in 0.01-in. increments at 5-minute intervals.

Period of record.—March 22, 1989, to present. Periods of missing record exist because of equipment-related problems.

Elgin Wastewater Treatment Facility at Elgin, Illinois—Continued

Rainfall, in inches, water year October 1991 to September 1992 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.69	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00
2	.09	.00	.00	.05	.00	.00	.00	.00	.00	.63	.09	.45
3	.29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23	.00
4	2.45	.00	.00	.00	.00	.00	.11	.00	.25	.27	.01	.00
5	.06	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00
6	.01	.00	.00	.00	.00	.47	.00	.00	.06	.00	.00	.00
7	.00	.00	.00	.00	.00	.18	.00	.00	.00	.00	.43	.23
8	.00	.00	.05	.18	.00	.00	.01	.00	.00	.00	.00	.00
9	.00	.00	.01	.00	.00	.39	.00	.00	.00	.01	.00	1.33
10	.01	.00	.00	.00	.00	.00	.67	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.03	.00
12	.00	.00	.32	.03	.00	.00	.00	.11	.00	.44	.42	.00
13	.07	.00	.00	.03	.00	s.09	.00	.00	.00	.96	.00	.00
14	.13	.43	.08	.00	s.07	.00	.13	.00	.03	.57	.00	.36
15	.00	.18	.00	.00	.24	.00	.41	.00	.00	.00	.00	.20
16	.00	.00	.00	.00	.00	s.26	.20	.00	.00	.17	.00	.00
17	.00	.03	.00	.00	.05	.00	.01	.00	.54	.08	.01	.11
18	.34	.13	.00	.00	.32	.00	.11	.00	.01	.36	.21	.11
19	.00	.66	.00	.00	.02	.00	.04	.00	.00	.00	.00	.00
20	.00	.00	s.06	.00	.00	.00	.01	.00	.00	.00	.00	.35
21	.00	.00	s.01	.00	.00	.00	.03	.00	.00	.00	.00	.12
22	.00	.00	s.07	s.30	.00	.00	.00	.00	.00	.34	.00	.00
23	.00	.17	s.03	s.02	.00	s.09	.03	.34	.00	.01	.00	.00
24	.65	.00	.00	.00	.46	.00	.03	.00	.00	.00	.02	.00
25	.22	.00	.00	.00	.05	.00	.00	.00	.00	.08	.20	.00
26	.44	.00	.00	.00	.00	.02	.06	.00	.00	.16	.67	.45
27	.00	s.11	.00	.00	.00	.00	.00	.00	.00	.00	.15	.00
28	.25	.63	.00	.00	.01	.11	.00	.00	.00	.02	.00	.00
29	.44	.50	.00	.00	.00	.09	.01	.00	.00	.00	.00	.00
30	.26	.03	.00	.00	--	.00	.00	.00	.00	.84	.02	.00
31	.00	--	.00	.00	--	.00	--	.00	--	.14	.00	--
Total	5.71	3.56	0.63	0.61	1.22	1.75	1.86	0.52	0.89	5.08	2.49	3.71

s Snowfall-affected precipitation.

Elgin Wastewater Treatment Facility at Elgin, Illinois—Continued

Rainfall, in inches, water year October 1992 to September 1993 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	1.32	0.00	0.00	0.00	0.00	s0.02	0.00	0.00	0.00	0.00	0.00
2	.00	.22	.00	s.04	.00	.00	s.05	.06	.06	.02	.00	.10
3	.00	.27	.00	s.24	.00	.00	.00	.01	.01	.00	.00	.02
4	.00	.15	.00	s.93	.00	.00	.00	.02	.48	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.19	.02
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.08
7	.00	.00	.00	.00	.00	.00	.00	.00	.99	.02	.00	.00
8	.04	.00	.00	.00	.00	.00	m	.00	.93	.16	.00	.05
9	.03	.20	.00	.00	.00	.00	m	.00	.23	.00	.22	.00
10	.00	.04	.00	.00	.02	s.07	m	.00	.00	.00	.00	.00
11	.00	.03	.00	.00	.00	.00	m	.00	.00	.00	.00	.01
12	.00	.68	s.07	s.38	.00	.00	m	.00	.00	.00	.00	.00
13	.11	.00	s.06	.00	.00	.00	m	.00	.17	.00	.00	.44
14	.14	.00	.00	.00	.00	.00	m	.00	.24	.00	.00	.89
15	.49	.00	1.06	.00	.00	.00	m	.00	.00	.00	.76	.00
16	.05	.00	.00	.00	.00	.11	m	.07	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	m	.00	.61	.02	.00	.00
18	.00	.00	.00	.00	.00	.00	m	.02	1.60	3.11	.00	.00
19	.06	.09	.00	s.01	.00	.00	m	.00	1.18	.02	.08	.00
20	.08	.23	.00	s.49	.00	s.06	m	.00	.00	.00	.00	.25
21	.00	.05	.00	.79	.00	.00	m	.00	.01	.00	.00	.00
22	.00	.57	.00	s.01	.00	s1.33	.00	.26	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	s.25	.00	.49	.00	.00	.29	.01
24	.00	.02	.00	.00	.00	.00	.39	.00	.00	.08	.00	.00
25	.00	.33	.05	.00	.00	.00	.00	.00	.02	1.21	.00	1.11
26	.00	.00	.00	.00	.00	.00	.00	.00	.65	.00	.00	.06
27	.00	.00	.00	.00	s.01	.00	.06	.00	.09	.00	.00	.14
28	.00	.00	.00	s.01	.00	.00	.14	.17	.95	.03	.00	.00
29	.00	.00	.44	.00	--	.00	.31	.00	.00	.00	.86	.02
30	.00	.00	.82	.00	--	.00	.00	.30	1.30	.00	.10	.00
31	.10	--	.00	.00	--	1.70	--	.00	--	.00	.02	--
Total	1.10	4.20	2.50	2.90	0.03	3.52	nc	1.40	9.52	4.71	2.53	3.20

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

Elgin Wastewater Treatment Facility at Elgin, Illinois—Continued

Rainfall, in inches, water year October 1993 to September 1994 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	0.00	s0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00
2	.00	.11	.05	.00	.00	s.02	.00	.00	.00	.02	.00	.00
3	.03	.00	.00	.00	.00	s.16	.00	.00	.00	.00	.00	.06
4	.00	.00	.04	.00	.00	.00	.00	.00	.00	.03	.50	.00
5	.00	s.01	.04	.00	.00	.01	.00	.00	.00	.00	.00	.00
6	.00	.00	.05	.00	.00	.00	.00	.00	.00	.07	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.10	.01	.16	.00	.00
8	.32	.00	.00	.00	.00	.00	.00	.00	.01	.04	.00	.00
9	.27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	s.02	.00	.00	.00	.00	.00	.00	.00	.00	.86	.00
11	.01	.00	.00	.00	.00	.00	.00	.10	.00	.00	m	.00
12	.00	.48	.00	.00	.00	.01	.10	.00	.00	.33	.01	.00
13	.00	.03	.00	.00	.00	.02	.05	.00	.08	.00	1.05	.00
14	.00	.21	.05	.00	s.29	.02	.01	.03	.02	.00	.00	.00
15	.01	.01	.00	.00	.00	.00	.31	.00	.00	.00	.00	.00
16	.23	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00
17	.40	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.43	.00	.00	s.01	.00	.00	.00	.00	.11	.00
19	.00	.02	.00	.00	1.12	.00	.00	.00	.07	.00	.27	.00
20	.21	.00	.00	.00	.20	.03	.00	.00	.61	.22	.00	.00
21	.01	.00	.00	.00	.00	.60	.00	.00	.00	.08	.00	.00
22	.00	.00	.00	.00	s.15	.00	.00	.00	.00	.06	.00	m
23	.00	.00	.00	s.04	.00	.00	.00	.33	m	.00	.00	m
24	.00	.13	.00	.00	.00	.00	.00	.00	m	.00	.00	m
25	.00	.33	.00	s.01	.00	.00	.28	.08	m	.00	.00	m
26	.00	.31	.00	.00	.00	.28	.23	.00	m	.00	.04	m
27	.00	.00	.00	s.40	.00	.05	.00	.00	m	.00	.00	m
28	.00	.00	.00	.00	.00	.00	.37	.00	m	.00	.00	.00
29	.00	s.01	.00	.00	--	.00	.00	.00	m	.00	.00	.00
30	.00	.00	.00	.00	--	.00	.17	.00	m	.00	.04	.00
31	.00	--	.00	.00	--	.00	--	.00	--	.00	.00	--
Total	1.49	1.67	1.07	0.45	1.76	1.21	1.55	0.64	nc	3.01	nc	nc

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

Elgin Wastewater Treatment Facility at Elgin, Illinois—Continued

Rainfall, in inches, water year October 1994 to September 1995 Daily totals

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.00	m	m	0.00	0.00	0.00	0.00	m	0.02	0.00	0.00	0.00
2	.00	m	m	.00	.00	.00	.00	m	.36	.00	.15	.00
3	.00	m	m	.00	.00	.01	.00	m	.00	.00	.20	.00
4	.00	m	m	.00	.00	.01	.00	m	.00	2.16	1.31	.00
5	.00	m	m	.00	.00	s.08	.00	m	.00	.18	.00	.00
6	.00	m	m	.00	.00	.00	.00	m	.00	.00	.00	.00
7	m	m	m	.00	.00	s.04	.01	m	.00	.00	.00	.96
8	m	m	m	.00	.00	.00	m	m	.00	.00	.00	.00
9	.00	m	m	.00	.00	.00	m	m	.00	.00	.30	.00
10	.00	m	m	.00	s.01	.00	m	m	.02	.00	.10	.00
11	.00	m	m	s.12	s.05	s.02	m	m	.00	.00	.00	.00
12	.00	m	m	.00	.00	.00	m	m	.00	.00	.00	.00
13	.00	m	m	m	.00	.00	m	m	.00	.00	.00	.00
14	.00	m	m	m	.00	.00	m	m	.00	.00	.00	.00
15	.00	m	m	.00	.00	.00	m	m	.00	.09	1.33	m
16	.00	m	m	.00	.00	.00	m	m	.00	.00	.86	m
17	.03	m	m	.00	.00	.00	m	m	.00	.00	.22	m
18	.00	m	m	.00	.00	.03	m	m	.00	.00	.00	m
19	.00	m	m	s.14	.00	.01	m	m	.00	.05	.00	m
20	.00	m	m	.00	.00	.10	m	m	.00	.90	.00	m
21	.00	m	m	.00	.00	.00	m	m	.00	.00	.00	m
22	.00	m	m	.00	.00	.04	m	m	.00	.05	.00	m
23	.00	m	m	s.02	.00	.00	m	m	.00	.00	.00	m
24	.00	m	m	.00	.00	.00	m	m	.00	.00	.00	m
25	.00	m	m	.00	.00	.00	m	m	.00	.00	.00	m
26	.00	m	m	.00	m	.10	m	m	.11	.11	.00	m
27	.00	m	m	.00	m	m	m	m	.80	.24	.00	m
28	.00	m	m	.00	m	m	m	m	.11	.00	.13	m
29	.00	m	m	.00	--	m	m	m	.00	.00	.00	m
30	.00	m	m	.00	--	.00	m	m	.00	.00	.00	m
31	m	--	m	.00	--	.00	--	m	--	.05	.00	--
Total	nc	nc	nc	nc	nc	nc	nc	nc	1.42	3.83	4.60	nc

m Missing record.

s Snowfall-affected precipitation.

nc Not completed because of missing record.

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