SELECTED HYDROLOGIC DATA FOR URBAN WATERSHEDS IN SOUTH CAROLINA, 1983-90

By Sarah W. Logan, Michael R. Eckenwiler, and Larry R. Bohman

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CONVERSION FACTORS AND ABBREVIATIONS OF UNITS

Multiply	By	To obtain
	Length	
inch (in.)	2.54	centimeter
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
foot per mile (ft/mi)	0.1894	meter per kilometer
	Area	
square mile (mi^2)	2.590	square kilometer
	Flow	
cubic foot per second (ft^3/s)	0.02832	cubic meter per second

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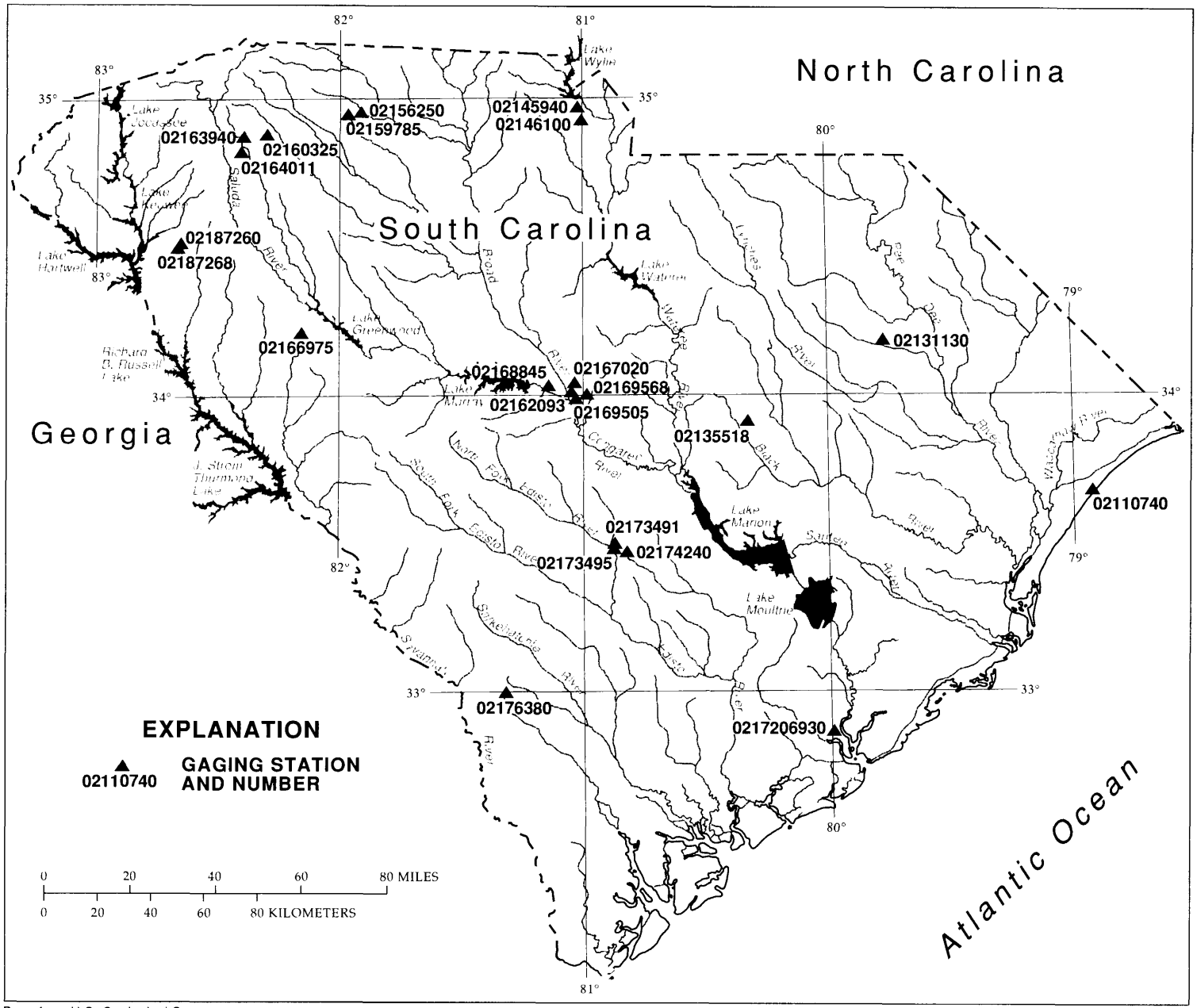
ABSTRACT

Rainfall and streamflow data were collected at 23 gaging stations located in urban watersheds in South Carolina from 1983-90. The site selection process and the instrumentation used to collect the data are described. A compilation of rainfall and streamflow data in graphic and tabular form for seven selected events at each gaging station are presented. A gaging-station description and a listing of certain streamflow and basin characteristics also are included.

INTRODUCTION

Knowledge of flood characteristics is essential for the design of highway-drainage structures, for establishing flood-insurance rates, and for many other uses by urban planners and engineers. Although abundant rural rainfall-runoff data are available, these data are not applicable to urban streams. Therefore, in the fall of 1983, the U.S. Geological Survey (USGS), in cooperation with the South Carolina Department of Transportation, began collecting rainfall-runoff data at selected urban basins in the Piedmont and Coastal Plain Provinces of South Carolina to be used in determining urban flood characteristics. Each basin was instrumented with a water-stage recorder and a cumulative-rainfall recorder. By the end of 1984, data were being collected at 7 sites in 6 cities and towns in South Carolina. In 1985, the number of data-collection sites was increased to a total of 27 sites in 14 cities; however, 4 sites were excluded because the data were not usable for modeling.

The data presented in this report were collected as part of a broader investigation to determine techniques for estimating peak streamflows, runoff volumes, and flood hydrographs for urban watersheds in South Carolina. However, only the final results from that investigation were published. The purpose of this report is to present selected concurrent rainfall and streamflow data from 1983-90 for the 23 urban data-collection sites in South Carolina used by Bohman (1992) (fig. 1). Included in the report is the description of the site selection process and a detailed description of data-collection methods. For each site, a station description, rainfall data, and streamflow data for selected storm events are presented.



Base from U.S. Geological Survey
1:2,000,000 Digital Line Graphs

Figure 1.--Gaging station locations.

SITE SELECTION

Extensive field reconnaissance was required to select the basins to be instrumented. Approximately 500 sites were selected and inspected in the field for possible use. Some factors considered during the site inspections were 1) suitability for rain-gage location, 2) accessibility for streamflow measurements, 3) presence of a bridge or culvert with hydraulic characteristics suitable for theoretical computation of peak streamflow, 4) absence of ponds or lakes, and 5) urban land use in the basin. Basins that were likely to undergo changes in impervious area or drainage efficiency were eliminated from the selection process. Basin characteristics such as drainage area, main channel slope, and degree of development were determined to ensure a suitable distribution of basin characteristics. The final sites were equally distributed between the Piedmont and Coastal Plain physiographic provinces.

STORM SELECTION

Hydrologic data from seven storms were selected to provide sufficient data for modeling (the number of storms, seven, was arbitrarily selected). The largest single-peak storms were used when possible to facilitate hydrograph comparison. Other criteria governing storm selection were uniform rainfall throughout the basin and that the record was complete for the entire storm. The length of the storm and the amount of rainfall were not considered in the selection process.

DEFINITION OF TERMS

Terms and symbols related to streamflow, basin characteristics, and other hydrologic data, as used in the data compilation section of this report, are defined below. They are not necessarily the only valid definitions for these terms. A brief description of how the basin characteristics were determined or measured also is given.

Basin development factor (BDF, dimensionless)--This parameter is an index of the efficiency of the drainage system and ranges from 0 to 12. Four aspects of the drainage system are evaluated in order to determine the BDF, as shown below:

1. Channel modifications such as deepening, enlarging, straightening, or clearing of vegetation and debris.
2. Channel linings made of impervious material.
3. Storm drains and storm sewers present.
4. Curb and gutter streets.

The drainage basin is divided into three subbasins based on approximate travel times. A value of 1 is added to the BDF for each drainage improvement aspect that is prevalent in over 50 percent of a subbasin. Therefore, the maximum BDF of 12 results from 3 subbasins times 4 improvement aspects per subbasin. A value of 0 indicates a lack of drainage system modifications, but does not necessarily mean the basin is rural. The BDF is described in more detail in a report by Sauer and others (1983).

Channel length (mi)--Computed as the distance measured along the main channel from the basin outlet to the watershed divide as determined from USGS 7.5-minute series topographic quadrangle maps or maps of equivalent accuracy.

Channel slope (ft/mi)--Computed between points that are 10 and 85 percent of the main channel length upstream from a specified location as determined from USGS 7.5-minute series topographic quadrangle maps or maps of equivalent accuracy.

Drainage area (mi^2)--The area contributing surface runoff to a specified location on a stream, measured in a horizontal plane and enclosed by a topographic divide. The area was determined from USGS 7.5-minute series topographic quadrangle maps or maps of equivalent accuracy using a digitizer or planimeter. Storm-sewer maps obtained from city engineering or public works departments were used when available. Basin boundaries were checked in the field areas of low relief when storm-sewer information could not be obtained.

Flood frequency data (UQ_T, ft^3/s)--Urban peak streamflow (UQ) corresponding to the indicated recurrence interval (T), in years. These values were taken from a study by Bohman (1992).

Total impervious area (percentage)--The percentage of the watershed that is impervious to infiltration of rainfall. This characteristic was measured by use of the grid-overlay method using aerial photography. According to Cochran (1963), a minimum of 200 points, or grid intersections, for each area or subbasin will provide a confidence level of 0.10. Grid intersections over points on buildings, streets, and parking lots were counted as impervious surface points. Grid intersections located over forests, lawns, unpaved industrial yards, and so on, were treated as pervious surface points. An estimate of the percentage of total impervious area was determined by dividing the impervious points by the total number of grid intersections. Three counts of at least 200 points for each subbasin (usually many more) were obtained with different orientation of the grid network and the results were averaged for the final value.

Two-year 2-hour rainfall amount (in.)--The cumulative 2-hour rainfall corresponding to the two-year recurrence interval as determined from the National Weather Service (NWS), formerly known as the U.S. Weather Bureau (1961).

Left bank, right bank--Right and left refer to the direction that would be reported by an observer facing downstream.

INSTRUMENTATION AND HYDROLOGIC DATA COLLECTION

Rainfall and streamflow data were collected for each urban basin studied. A rain gage was located near each gaging station with the same data-collection interval. Rainfall recorders were housed in metal shelters attached to 3-in. galvanized pipe collector wells with a funnel mounted to the top. A float in the well was connected by a steel cable to a recorder that registered rainfall accumulations to the nearest 0.01 in.

Larger basins have greater probability for areal variations in rainfall amount, intensity, timing, and distribution. The data in this report have been compared to other local USGS rain gages or daily NWS sites in the vicinity so that the amounts and distribution given can be assumed to be reasonably uniform throughout the basin. Local NWS stations also were used to check monthly and annual rainfall amounts recorded at the USGS gages. Stage data were converted to flow data using standard rating curves that relate stage to flow. Stage elevations were recorded at 5-minute intervals for basins with drainage areas less than about 5 mi^2 and at 15-minute intervals for larger basins. The stage elevations were referenced to an arbitrary datum and were recorded to the nearest 0.01 ft. Recorders were housed in metal shelters set on top of 8- or 12-in. diameter corrugated-metal pipe stilling wells. Communication between the stilling well and the stream was usually accomplished through 1/2 in.-diameter holes drilled in the well at about 1-ft intervals. Stilling wells were attached to wooden free-standing platforms set along an upstream bank outside the hydraulic drawdown zone of the structure. In cases where the gage was attached to the headwall or a wingwall, the stilling well was sealed and an 1 1/4-in.-diameter-intake pipe was extended upstream beyond the zone of influence caused by drawdown from the structure. A crest-stage indicator was installed in the vicinity of the intake to verify maximum gage-height recordings. Crest-stage indicators also were installed at the downstream end of each structure near the exit.

Rating curves and tables for each station were prepared to represent the stage-streamflow relation defined by streamflow measurements. These relations were used to convert recorded stage to flow. Extensions to rating curves, necessary to express streamflow greater than measured, were made from the results of indirect measurements of peak streamflow, or from a logarithmic extrapolation of the stage-streamflow relation.

The fall through the culverts, culvert geometry, and the surveyed approach section were used to compute a theoretical stage-streamflow relation from indirect methods described by Bodhaine (1968). The fall was determined from a plot of upstream and downstream stages recorded and a second plot was drawn to show the relation between the maximum stage elevation indicated by the recording gage and the upstream crest-stage indicator. When a difference was observed, the relation was used to adjust recorded stage to correspond with stages from the crest-stage indicator. The relation between the stage elevation registered by the upstream crest-stage indicator and the elevation indicated by the continuous recorder also indicated any problem with the continuous-record data collection. These problems include a hanging float, a float tape that jumped the spline, or intakes clogged with sediment.

STATION DESCRIPTIONS, HYDROGRAPHS, AND TABULATED RAINFALL AND STREAMFLOW DATA

Station locations, and selected hydrologic data for each of the 23 stations are presented in this section as listed below. For each station, a brief station description is given including 1) station name and number, 2) latitude (lat) and longitude (long), 3) general location, 4) period of record, 5) description of gages, 6) stage-streamflow rating information, and 7) selected climatic and physiographic basin characteristics. Following the station description, the data for the seven selected storm events are presented in graphic and tabular form.

Station 02110740, Midway Swash at Myrtle Beach, S.C.

Location.--Lat 33°39'44", long 78°55'25", Horry County, Hydrologic Unit 03040206, at culvert on U.S. Highway 17, and about 1.0 mi upstream from the mouth at the Atlantic Ocean.

Period of record.-- March 4, 1987 to September 25, 1990.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to a free-standing platform located on the left bank approximately 18 ft upstream from a double 5 ft by 10 ft concrete box culvert. An enameled staff gage is attached to the platform. One crest-stage indicator is located in the median between the northbound and southbound roadway culverts on the left wingwall. A second crest-stage indicator is located on the right downstream culvert wingwall.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 362 ft^3/s. The stage-streamflow relation was extended to 500 ft^3/s using indirect computational methods.

Rain gage and location.--Station 333943078552300, lat 33°39'43", long 78°55'23". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval attached to the right downstream wingwall, at the U.S. Highway 17 crossing of Midway Swash, and 1.0 mi upstream from the mouth at the Atlantic Ocean.

Selected basin characteristics.--

Drainage area -- 0.80 mi^2

Physiographic province -- Lower Coastal Plain
Channel slope -- 9.2 ft/mi
Channel length -- 1.40 mi
Total impervious area -- 23.0 percent
Basin development factor -- 7
2-year, 2-hour rainfall amount -- 2.24 in.

Flood frequency data:		
	UQ_2	296 ft^3/s
	UQ_5	478 ft^3/s
	UQ_{10}	605 ft^3/s
	UQ_{25}	771 ft^3/s
	UQ_{50}	897 ft^3/s
	UQ_{100}	1,020 ft^3/s
	UQ_{500}	1,330 ft^3/s

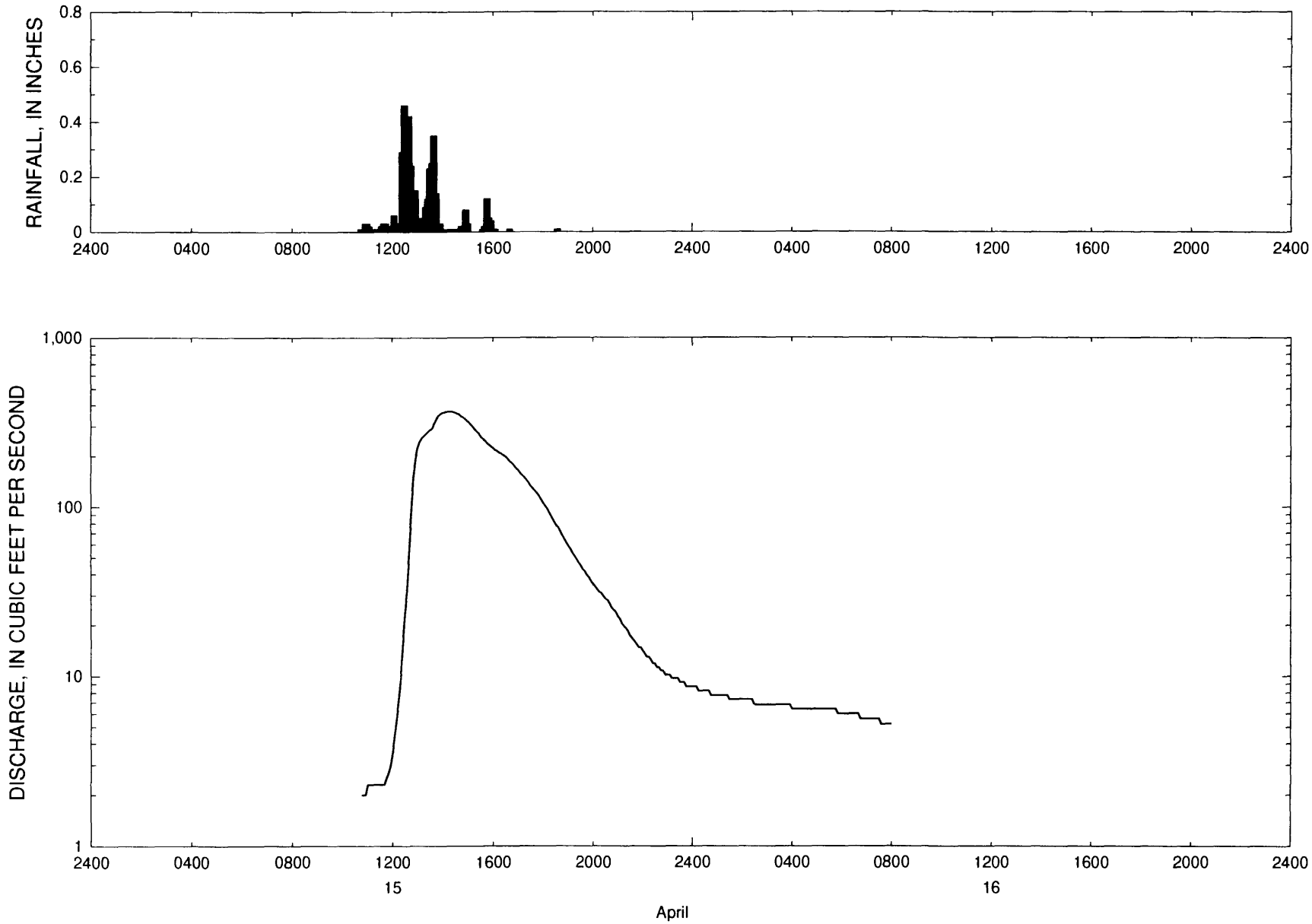


Figure 2.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, April 15-16, 1987.

Table 1.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, April 15-16, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
April 15, 1987			1605	218.0	0.01	2130	17.2	0.00
1045	2.0	0.01	1610	215.0	0.00	2135	16.6	0.00
1050	2.0	0.00	1615	210.0	0.00	2140	16.0	0.00
1055	2.0	0.03	1620	207.0	0.00	2145	15.4	0.00
1100	2.3	0.03	1625	202.0	0.00	2150	14.8	0.00
1105	2.3	0.02	1630	198.0	0.00	2155	14.8	0.00
1110	2.3	0.01	1635	192.0	0.00	2200	14.2	0.00
1115	2.3	0.01	1640	186.0	0.01	2205	13.6	0.00
1120	2.3	0.01	1645	182.0	0.00	2210	13.0	0.00
1125	2.3	0.01	1650	176.0	0.00	2215	13.0	0.00
1130	2.3	0.00	1655	170.0	0.00	2220	12.5	0.00
1135	2.3	0.02	1700	166.0	0.00	2225	11.9	0.00
1140	2.3	0.03	1705	159.0	0.00	2230	11.9	0.00
1145	2.5	0.03	1710	154.0	0.00	2235	11.3	0.00
1150	2.7	0.01	1715	150.0	0.00	2240	11.3	0.00
1155	3.0	0.01	1720	145.0	0.00	2245	10.8	0.00
1200	3.6	0.02	1725	140.0	0.00	2250	10.8	0.00
1205	4.5	0.06	1730	134.0	0.00	2255	10.2	0.00
1210	5.6	0.03	1735	129.0	0.00	2300	10.2	0.00
1215	7.3	0.00	1740	124.0	0.00	2305	10.2	0.00
1220	9.7	0.01	1745	120.0	0.00	2310	9.7	0.00
1225	14.8	0.29	1750	115.0	0.00	2315	9.7	0.00
1230	23.8	0.46	1755	110.0	0.00	2320	9.7	0.00
1235	33.3	0.31	1800	105.0	0.00	2325	9.7	0.00
1240	56.6	0.42	1805	101.0	0.00	2330	9.2	0.00
1245	98.2	0.24	1810	97.3	0.00	2335	9.2	0.00
1250	150.0	0.12	1815	91.9	0.00	2340	9.2	0.00
1255	193.0	0.15	1820	87.6	0.00	2345	8.7	0.00
1300	224.0	0.05	1825	83.3	0.00	2350	8.7	0.00
1305	243.0	0.03	1830	79.1	0.00	2355	8.7	0.00
1310	256.0	0.04	1835	75.8	0.01	April 16, 1987		
1315	264.0	0.05	1840	72.5	0.00	0000	8.7	0.00
1320	271.0	0.09	1845	68.3	0.00	0005	8.7	0.00
1325	278.0	0.12	1850	65.1	0.00	0010	8.7	0.00
1330	286.0	0.23	1855	61.9	0.00	0015	8.2	0.00
1335	292.0	0.25	1900	58.9	0.00	0020	8.2	0.00
1340	312.0	0.35	1905	56.6	0.00	0025	8.2	0.00
1345	331.0	0.14	1910	53.6	0.00	0030	8.2	0.00
1350	346.0	0.00	1915	51.4	0.00	0035	8.2	0.00
1355	355.0	0.03	1920	49.3	0.00	0040	8.2	0.00
1400	362.0	0.01	1925	47.1	0.00	0045	7.7	0.00
1405	364.0	0.01	1930	45.0	0.00	0050	7.7	0.00
1410	368.0	0.01	1935	42.9	0.00	0055	7.7	0.00
1415	368.0	0.00	1940	41.6	0.00	0100	7.7	0.00
1420	366.0	0.00	1945	39.6	0.00	0105	7.7	0.00
1425	366.0	0.01	1950	38.3	0.00	0110	7.7	0.00
1430	362.0	0.00	1955	36.4	0.00	0115	7.7	0.00
1435	358.0	0.01	2000	35.1	0.00	0120	7.7	0.00
1440	353.0	0.00	2005	33.9	0.00	0125	7.7	0.00
1445	344.0	0.02	2010	32.7	0.00	0130	7.3	0.00
1450	338.0	0.01	2015	31.5	0.00	0135	7.3	0.00
1455	328.0	0.08	2020	30.9	0.00	0140	7.3	0.00
1500	320.0	0.03	2025	29.7	0.00	0145	7.3	0.00
1505	311.0	0.00	2030	28.6	0.00	0150	7.3	0.00
1510	301.0	0.00	2035	28.0	0.00	0155	7.3	0.00
1515	291.0	0.00	2040	26.6	0.00	0200	7.3	0.00
1520	282.0	0.00	2045	25.2	0.00	0205	7.3	0.00
1525	273.0	0.00	2050	24.5	0.00	0210	7.3	0.00
1530	262.0	0.00	2055	23.8	0.00	0215	7.3	0.00
1535	254.0	0.01	2100	22.5	0.00	0220	7.3	0.00
1540	248.0	0.02	2105	21.8	0.00	0225	7.3	0.00
1545	240.0	0.12	2110	20.4	0.00	0230	6.8	0.00
1550	234.0	0.05	2115	19.7	0.00	0235	6.8	0.00
1555	228.0	0.04	2120	19.1	0.00	0240	6.8	0.00
1600	223.0	0.00	2125	18.4	0.00	0245	6.8	0.00

Table 1.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, April 15-16, 1987--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
0250	6.8	0.00	0435	6.4	0.00	0620	6.0	0.00
0255	6.8	0.00	0440	6.4	0.00	0625	6.0	0.00
0300	6.8	0.00	0445	6.4	0.00	0630	6.0	0.00
0305	6.8	0.00	0450	6.4	0.00	0635	6.0	0.00
0310	6.8	0.00	0455	6.4	0.00	0640	6.0	0.00
0315	6.8	0.00	0500	6.4	0.00	0645	5.6	0.00
0320	6.8	0.00	0505	6.4	0.00	0650	5.6	0.00
0325	6.8	0.00	0510	6.4	0.00	0655	5.6	0.00
0330	6.8	0.00	0515	6.4	0.00	0700	5.6	0.00
0335	6.8	0.00	0520	6.4	0.00	0705	5.6	0.00
0340	6.8	0.00	0525	6.4	0.00	0710	5.6	0.00
0345	6.8	0.00	0530	6.4	0.00	0715	5.6	0.00
0350	6.8	0.00	0535	6.4	0.00	0720	5.6	0.00
0355	6.8	0.00	0540	6.4	0.00	0725	5.6	0.00
0400	6.4	0.00	0545	6.4	0.00	0730	5.6	0.00
0405	6.4	0.00	0550	6.0	0.00	0735	5.2	0.00
0410	6.4	0.00	0555	6.0	0.00	0740	5.2	0.00
0415	6.4	0.00	0600	6.0	0.00	0745	5.2	0.00
0420	6.4	0.00	0605	6.0	0.00	0750	5.2	0.00
0425	6.4	0.00	0610	6.0	0.00	0755	5.2	0.00
0430	6.4	0.00	0615	6.0	0.00	0800	5.2	0.00

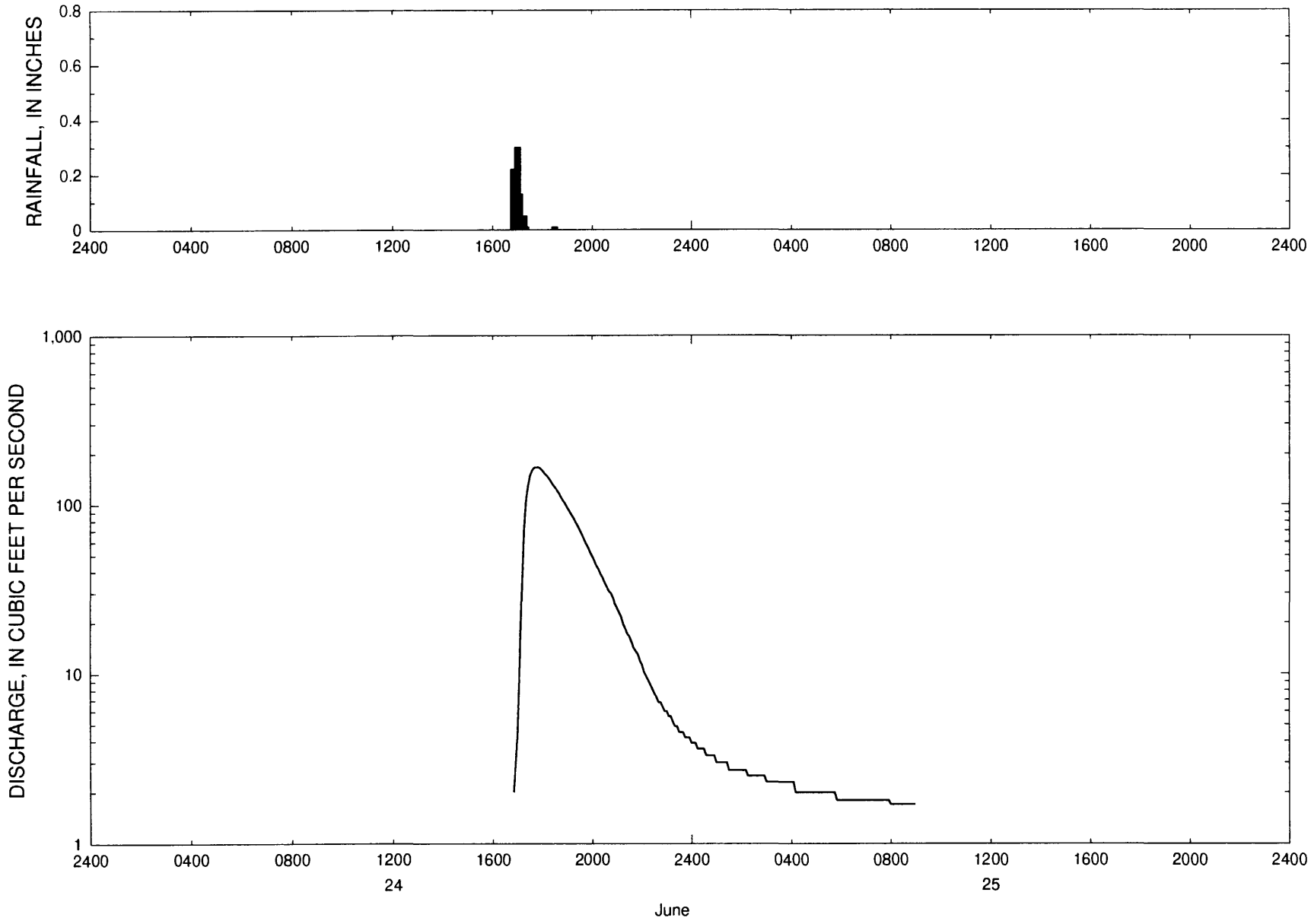


Figure 3.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, June 24-25, 1987.

Table 2.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, June 24-25, 1987

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
June 24, 1987			2205	10.2	0.00	0325	2.3	0.00
1645	1.3	0.08	2210	9.7	0.00	0330	2.3	0.00
1650	2.0	0.22	2215	9.2	0.00	0335	2.3	0.00
1655	3.0	0.19	2220	8.7	0.00	0340	2.3	0.00
1700	4.5	0.30	2225	8.2	0.00	0345	2.3	0.00
1705	10.2	0.13	2230	7.7	0.00	0350	2.3	0.00
1710	32.7	0.02	2235	7.3	0.00	0355	2.3	0.00
1715	70.8	0.05	2240	6.8	0.00	0400	2.3	0.00
1720	106.0	0.01	2245	6.8	0.00	0405	2.3	0.00
1725	130.0	0.00	2250	6.4	0.00	0410	2.0	0.00
1730	149.0	0.00	2255	6.0	0.00	0415	2.0	0.00
1735	160.0	0.00	2300	6.0	0.00	0420	2.0	0.00
1740	166.0	0.00	2305	5.6	0.00	0425	2.0	0.00
1745	167.0	0.00	2310	5.6	0.00	0430	2.0	0.00
1750	167.0	0.00	2315	5.2	0.00	0435	2.0	0.00
1755	165.0	0.00	2320	4.9	0.00	0440	2.0	0.00
1800	160.0	0.00	2325	4.9	0.00	0445	2.0	0.00
1805	154.0	0.00	2330	4.5	0.00	0450	2.0	0.00
1810	150.0	0.00	2335	4.5	0.00	0455	2.0	0.00
1815	144.0	0.00	2340	4.5	0.00	0500	2.0	0.00
1820	138.0	0.00	2345	4.2	0.00	0505	2.0	0.00
1825	132.0	0.00	2350	4.2	0.00	0510	2.0	0.00
1830	127.0	0.01	2355	4.2	0.00	0515	2.0	0.00
1835	122.0	0.00	June 25, 1987			0520	2.0	0.00
1840	117.0	0.00	0000	3.9	0.00	0525	2.0	0.00
1845	111.0	0.00	0005	3.9	0.00	0530	2.0	0.00
1850	106.0	0.00	0010	3.9	0.00	0535	2.0	0.00
1855	102.0	0.00	0015	3.6	0.00	0540	2.0	0.00
1900	96.4	0.00	0020	3.6	0.00	0545	2.0	0.00
1905	91.9	0.00	0025	3.6	0.00	0550	1.8	0.00
1910	87.6	0.00	0030	3.6	0.00	0555	1.8	0.00
1915	83.3	0.00	0035	3.3	0.00	0600	1.8	0.00
1920	79.1	0.00	0040	3.3	0.00	0605	1.8	0.00
1925	75.0	0.00	0045	3.3	0.00	0610	1.8	0.00
1930	70.8	0.00	0050	3.3	0.00	0615	1.8	0.00
1935	66.7	0.00	0055	3.3	0.00	0620	1.8	0.00
1940	62.7	0.00	0100	3.0	0.00	0625	1.8	0.00
1945	58.9	0.00	0105	3.0	0.00	0630	1.8	0.00
1950	55.8	0.00	0110	3.0	0.00	0635	1.8	0.00
1955	52.2	0.00	0115	3.0	0.00	0640	1.8	0.00
2000	49.3	0.00	0120	3.0	0.00	0645	1.8	0.00
2005	46.4	0.00	0125	3.0	0.00	0650	1.8	0.00
2010	43.6	0.00	0130	2.7	0.00	0655	1.8	0.00
2015	41.6	0.00	0135	2.7	0.00	0700	1.8	0.00
2020	38.9	0.00	0140	2.7	0.00	0705	1.8	0.00
2025	37.0	0.00	0145	2.7	0.00	0710	1.8	0.00
2030	34.5	0.00	0150	2.7	0.00	0715	1.8	0.00
2035	32.7	0.00	0155	2.7	0.00	0720	1.8	0.00
2040	30.9	0.00	0200	2.7	0.00	0725	1.8	0.00
2045	29.7	0.00	0205	2.7	0.00	0730	1.8	0.00
2050	28.0	0.00	0210	2.7	0.00	0735	1.8	0.00
2055	25.9	0.00	0215	2.5	0.00	0740	1.8	0.00
2100	24.5	0.00	0220	2.5	0.00	0745	1.8	0.00
2105	23.1	0.00	0225	2.5	0.00	0750	1.8	0.00
2110	21.8	0.00	0230	2.5	0.00	0755	1.8	0.00
2115	19.7	0.00	0235	2.5	0.00	0800	1.7	0.00
2120	18.4	0.00	0240	2.5	0.00	0805	1.7	0.00
2125	17.2	0.00	0245	2.5	0.00	0810	1.7	0.00
2130	16.6	0.00	0250	2.5	0.00	0815	1.7	0.00
2135	15.4	0.00	0255	2.5	0.00	0820	1.7	0.00
2140	14.2	0.00	0300	2.3	0.00	0825	1.7	0.00
2145	13.6	0.00	0305	2.3	0.00	0830	1.7	0.00
2150	13.0	0.00	0310	2.3	0.00	0835	1.7	0.00
2155	11.9	0.00	0315	2.3	0.00	0840	1.7	0.00
2200	11.3	0.00	0320	2.3	0.00	0845	1.7	0.00
June 25, 1987								
0850	1.7	0.00	0855	1.7	0.00	0900	1.7	0.00

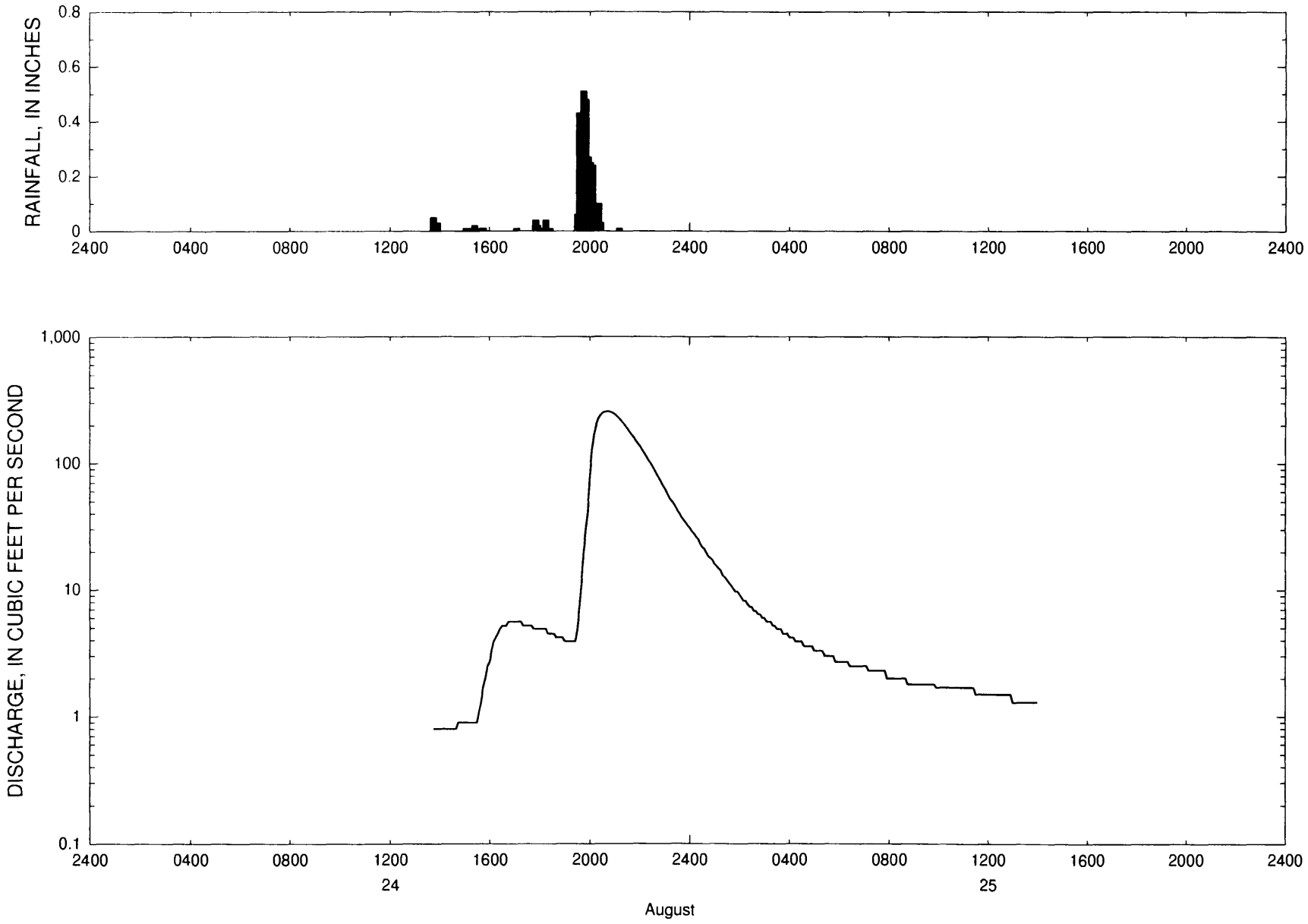


Figure 4.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, August 24-25, 1988.

Table 3.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, August 24-25, 1988

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 24, 1988			1900	3.9	0.00	0020	25.2	0.00
1340	0.8	0.01	1905	3.9	0.00	0025	23.1	0.00
1345	0.8	0.05	1910	3.9	0.00	0030	21.8	0.00
1350	0.8	0.03	1915	3.9	0.00	0035	21.1	0.00
1355	0.8	0.03	1920	3.9	0.00	0040	19.7	0.00
1400	0.8	0.00	1925	3.9	0.00	0045	18.4	0.00
1405	0.8	0.00	1930	4.9	0.06	0050	17.8	0.00
1410	0.8	0.00	1935	7.3	0.43	0055	17.2	0.00
1415	0.8	0.00	1940	11.3	0.35	0100	16.0	0.00
1420	0.8	0.00	1945	19.1	0.51	0105	15.4	0.00
1425	0.8	0.00	1950	29.7	0.48	0110	14.8	0.00
1430	0.8	0.00	1955	41.6	0.27	0115	14.2	0.00
1435	0.8	0.00	2000	79.9	0.25	0120	13.0	0.00
1440	0.8	0.00	2005	130.0	0.24	0125	12.5	0.00
1445	0.9	0.00	2010	172.0	0.10	0130	11.9	0.00
1450	0.9	0.00	2015	203.0	0.10	0135	11.3	0.00
1455	0.9	0.00	2020	226.0	0.10	0140	10.8	0.00
1500	0.9	0.00	2025	240.0	0.03	0145	10.2	0.00
1505	0.9	0.01	2030	250.0	0.00	0150	9.7	0.00
1510	0.9	0.01	2035	255.0	0.00	0155	9.7	0.00
1515	0.9	0.01	2040	256.0	0.00	0200	9.2	0.00
1520	0.9	0.00	2045	256.0	0.00	0205	8.7	0.00
1525	0.9	0.02	2050	254.0	0.00	0210	8.2	0.00
1530	0.9	0.01	2055	249.0	0.00	0215	8.2	0.00
1535	1.1	0.00	2100	243.0	0.00	0220	7.7	0.00
1540	1.3	0.01	2105	234.0	0.00	0225	7.3	0.00
1545	1.7	0.01	2110	226.0	0.01	0230	7.3	0.00
1550	2.0	0.00	2115	216.0	0.00	0235	6.8	0.00
1555	2.5	0.00	2120	207.0	0.00	0240	6.8	0.00
1600	2.7	0.00	2125	196.0	0.00	0245	6.4	0.00
1605	3.3	0.00	2130	186.0	0.00	0250	6.4	0.00
1610	3.9	0.00	2135	177.0	0.00	0255	6.0	0.00
1615	4.2	0.00	2140	168.0	0.00	0300	6.0	0.00
1620	4.5	0.00	2145	160.0	0.00	0305	5.6	0.00
1625	4.9	0.00	2150	150.0	0.00	0310	5.6	0.00
1630	5.2	0.00	2155	143.0	0.00	0315	5.6	0.00
1635	5.2	0.00	2200	136.0	0.00	0320	5.2	0.00
1640	5.2	0.00	2205	128.0	0.00	0325	5.2	0.00
1645	5.6	0.00	2210	121.0	0.00	0330	4.9	0.00
1650	5.6	0.00	2215	114.0	0.00	0335	4.9	0.00
1655	5.6	0.00	2220	107.0	0.00	0340	4.9	0.00
1700	5.6	0.00	2225	101.0	0.00	0345	4.5	0.00
1705	5.6	0.01	2230	94.6	0.00	0350	4.5	0.00
1710	5.6	0.00	2235	88.4	0.00	0355	4.5	0.00
1715	5.6	0.00	2240	82.4	0.00	0400	4.2	0.00
1720	5.2	0.00	2245	77.4	0.00	0405	4.2	0.00
1725	5.2	0.00	2250	72.5	0.00	0410	4.2	0.00
1730	5.2	0.00	2255	67.5	0.00	0415	3.9	0.00
1735	5.2	0.00	2300	63.5	0.00	0420	3.9	0.00
1740	5.2	0.00	2305	58.9	0.00	0425	3.9	0.00
1745	4.9	0.00	2310	55.1	0.00	0430	3.9	0.00
1750	4.9	0.04	2315	51.4	0.00	0435	3.6	0.00
1755	4.9	0.02	2320	48.5	0.00	0440	3.6	0.00
1800	4.9	0.00	2325	45.7	0.00	0445	3.6	0.00
1805	4.9	0.01	2330	42.3	0.00	0450	3.6	0.00
1810	4.9	0.00	2335	40.2	0.00	0455	3.6	0.00
1815	4.9	0.04	2340	37.6	0.00	0500	3.3	0.00
1820	4.5	0.01	2345	35.7	0.00	0505	3.3	0.00
1825	4.5	0.01	2350	33.9	0.00	0510	3.3	0.00
1830	4.5	0.00	2355	32.1	0.00	0515	3.3	0.00
1835	4.5	0.00	August 25, 1988			0520	3.3	0.00
1840	4.2	0.00	0000	30.9	0.00	0525	3.0	0.00
1845	4.2	0.00	0005	29.1	0.00	0530	3.0	0.00
1850	4.2	0.00	0010	28.0	0.00	0535	3.0	0.00
1855	4.2	0.00	0015	26.6	0.00	0540	3.0	0.00

Table 3.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, August 24-25, 1988--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0545	3.0	0.00	0835	2.0	0.00	1125	1.7	0.00
0550	2.7	0.00	0840	2.0	0.00	1130	1.5	0.00
0555	2.7	0.00	0845	1.8	0.00	1135	1.5	0.00
0600	2.7	0.00	0850	1.8	0.00	1140	1.5	0.00
0605	2.7	0.00	0855	1.8	0.00	1145	1.5	0.00
0610	2.7	0.00	0900	1.8	0.00	1150	1.5	0.00
0615	2.7	0.00	0905	1.8	0.00	1155	1.5	0.00
0620	2.7	0.00	0910	1.8	0.00	1200	1.5	0.00
0625	2.5	0.00	0915	1.8	0.00	1205	1.5	0.00
0630	2.5	0.00	0920	1.8	0.00	1210	1.5	0.00
0635	2.5	0.00	0925	1.8	0.00	1215	1.5	0.00
0640	2.5	0.00	0930	1.8	0.00	1220	1.5	0.00
0645	2.5	0.00	0935	1.8	0.00	1225	1.5	0.00
0650	2.5	0.00	0940	1.8	0.00	1230	1.5	0.00
0655	2.5	0.00	0945	1.8	0.00	1235	1.5	0.00
0700	2.5	0.00	0950	1.8	0.00	1240	1.5	0.00
0705	2.5	0.00	0955	1.7	0.00	1245	1.5	0.00
0710	2.3	0.00	1000	1.7	0.00	1250	1.5	0.00
0715	2.3	0.00	1005	1.7	0.00	1255	1.5	0.00
0720	2.3	0.00	1010	1.7	0.00	1300	1.3	0.00
0725	2.3	0.00	1015	1.7	0.00	1305	1.3	0.00
0730	2.3	0.00	1020	1.7	0.00	1310	1.3	0.00
0735	2.3	0.00	1025	1.7	0.00	1315	1.3	0.00
0740	2.3	0.00	1030	1.7	0.00	1320	1.3	0.00
0745	2.3	0.00	1035	1.7	0.00	1325	1.3	0.00
0750	2.3	0.00	1040	1.7	0.00	1330	1.3	0.00
0755	2.0	0.00	1045	1.7	0.00	1335	1.3	0.00
0800	2.0	0.00	1050	1.7	0.00	1340	1.3	0.00
0805	2.0	0.00	1055	1.7	0.00	1345	1.3	0.00
0810	2.0	0.00	1100	1.7	0.00	1350	1.3	0.00
0815	2.0	0.00	1105	1.7	0.00	1355	1.3	0.00
0820	2.0	0.00	1110	1.7	0.00	1400	1.3	0.00
0825	2.0	0.00	1115	1.7	0.00			
0830	2.0	0.00	1120	1.7	0.00			

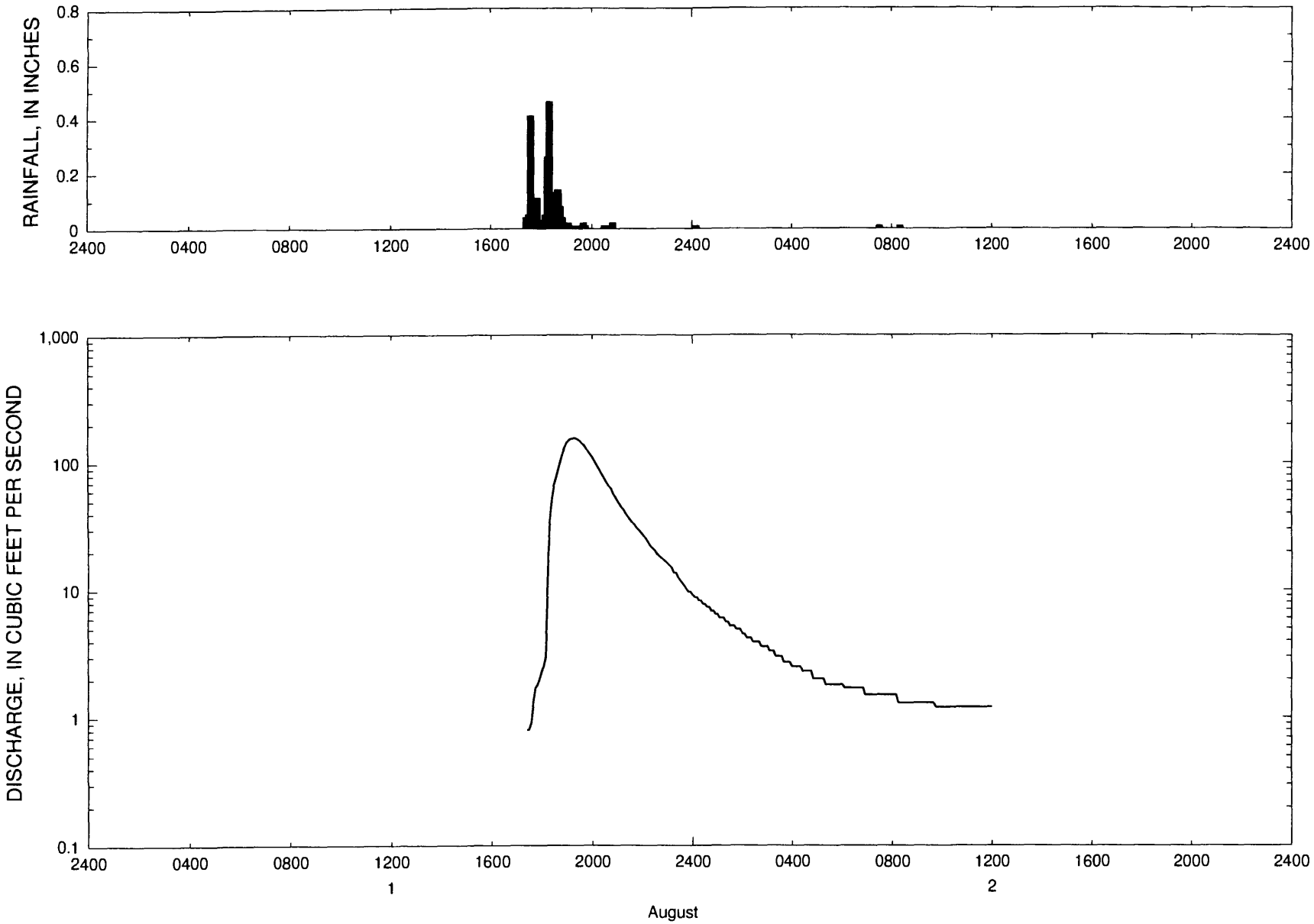


Figure 5.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, August 1-2, 1989.

Table 4.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, August 1-2, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 1, 1989			2245	17.8	0.00	0405	2.5	0.00
1725	0.8	0.04	2250	17.2	0.00	0410	2.5	0.00
1730	0.8	0.05	2255	16.6	0.00	0415	2.5	0.00
1735	0.9	0.41	2300	16.0	0.00	0420	2.5	0.00
1740	1.3	0.05	2305	15.4	0.00	0425	2.3	0.00
1745	1.7	0.09	2310	14.8	0.00	0430	2.3	0.00
1750	1.8	0.11	2315	13.6	0.00	0435	2.3	0.00
1755	2.0	0.03	2320	13.6	0.00	0440	2.3	0.00
1800	2.3	0.03	2325	12.5	0.00	0445	2.3	0.00
1805	2.5	0.03	2330	11.9	0.00	0450	2.0	0.00
1810	3.0	0.05	2335	11.3	0.00	0455	2.0	0.00
1815	15.4	0.26	2340	10.8	0.00	0500	2.0	0.00
1820	33.3	0.46	2345	10.2	0.00	0505	2.0	0.00
1825	50.0	0.06	2350	9.7	0.00	0510	2.0	0.00
1830	65.9	0.13	2355	9.7	0.00	0515	2.0	0.00
1835	75.8	0.05	August 2, 1989			0520	1.8	0.00
1840	88.4	0.14	0000	9.2	0.00	0525	1.8	0.00
1845	104.0	0.08	0005	8.7	0.00	0530	1.8	0.00
1850	119.0	0.04	0010	8.7	0.01	0535	1.8	0.00
1855	132.0	0.01	0015	8.2	0.00	0540	1.8	0.00
1900	144.0	0.01	0020	8.2	0.00	0545	1.8	0.00
1905	150.0	0.02	0025	7.7	0.00	0550	1.8	0.00
1910	154.0	0.01	0030	7.7	0.00	0555	1.8	0.00
1915	155.0	0.01	0035	7.3	0.00	0600	1.8	0.00
1920	156.0	0.00	0040	7.3	0.00	0605	1.7	0.00
1925	153.0	0.01	0045	6.8	0.00	0610	1.7	0.00
1930	149.0	0.00	0050	6.8	0.00	0615	1.7	0.00
1935	143.0	0.01	0055	6.4	0.00	0620	1.7	0.00
1940	138.0	0.02	0100	6.4	0.00	0625	1.7	0.00
1945	130.0	0.01	0105	6.0	0.00	0630	1.7	0.00
1950	122.0	0.00	0110	6.0	0.00	0635	1.7	0.00
1955	116.0	0.00	0115	6.0	0.00	0640	1.7	0.00
2000	110.0	0.00	0120	5.6	0.00	0645	1.7	0.00
2005	103.0	0.00	0125	5.6	0.00	0650	1.7	0.00
2010	96.4	0.00	0130	5.2	0.00	0655	1.5	0.00
2015	90.2	0.00	0135	5.2	0.00	0700	1.5	0.00
2020	84.1	0.00	0140	5.2	0.00	0705	1.5	0.00
2025	79.1	0.00	0145	4.9	0.00	0710	1.5	0.00
2030	74.2	0.01	0150	4.9	0.00	0715	1.5	0.00
2035	69.2	0.01	0155	4.9	0.00	0720	1.5	0.00
2040	65.1	0.00	0200	4.5	0.00	0725	1.5	0.00
2045	61.9	0.00	0205	4.5	0.00	0730	1.5	0.01
2050	56.6	0.02	0210	4.2	0.00	0735	1.5	0.00
2055	53.6	0.00	0215	4.2	0.00	0740	1.5	0.00
2100	50.0	0.00	0220	4.2	0.00	0745	1.5	0.00
2105	47.1	0.00	0225	3.9	0.00	0750	1.5	0.00
2110	44.3	0.00	0230	3.9	0.00	0755	1.5	0.00
2115	42.3	0.00	0235	3.9	0.00	0800	1.5	0.00
2120	39.6	0.00	0240	3.9	0.00	0805	1.5	0.00
2125	37.6	0.00	0245	3.6	0.00	0810	1.5	0.00
2130	35.7	0.00	0250	3.6	0.00	0815	1.3	0.00
2135	33.9	0.00	0255	3.6	0.00	0820	1.3	0.01
2140	32.7	0.00	0300	3.6	0.00	0825	1.3	0.00
2145	30.9	0.00	0305	3.3	0.00	0830	1.3	0.00
2150	29.7	0.00	0310	3.3	0.00	0835	1.3	0.00
2155	28.6	0.00	0315	3.3	0.00	0840	1.3	0.00
2200	27.3	0.00	0320	3.0	0.00	0845	1.3	0.00
2205	25.9	0.00	0325	3 0	0.00	0850	1.3	0.00
2210	24.5	0.00	0330	3.0	0.00	0855	1.3	0.00
2215	23 1	0.00	0335	3.0	0.00	0900	1.3	0.00
2220	21.8	0.00	0340	2.7	0.00	0905	1.3	0.00
2225	21.1	0.00	0345	2.7	0.00	0910	1.3	0.00
2230	20.4	0.00	0350	2.7	0.00	0915	1.3	0.00
2235	19.1	0.00	0355	2.7	0.00	0920	1.3	0.00
2240	18.4	0.00	0400	2.5	0.00	0925	1.3	0.00

Table 4.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, August 1-2, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0930	1.3	0.00	1025	1.2	0.00	1120	1.2	0.00
0935	1.3	0.00	1030	1.2	0.00	1125	1.2	0.00
0940	1.3	0.00	1035	1.2	0.00	1130	1.2	0.00
0945	1.2	0.00	1040	1.2	0.00	1135	1.2	0.00
0950	1.2	0.00	1045	1.2	0.00	1140	1.2	0.00
0955	1.2	0.00	1050	1.2	0.00	1145	1.2	0.00
1000	1.2	0.00	1055	1.2	0.00	1150	1.2	0.00
1005	1.2	0.00	1100	1.2	0.00	1155	1.2	0.00
1010	1.2	0.00	1105	1.2	0.00	1200	1.2	0.00
1015	1.2	0.00	1110	1.2	0.00			
1020	1.2	0.00	1115	1.2	0.00			

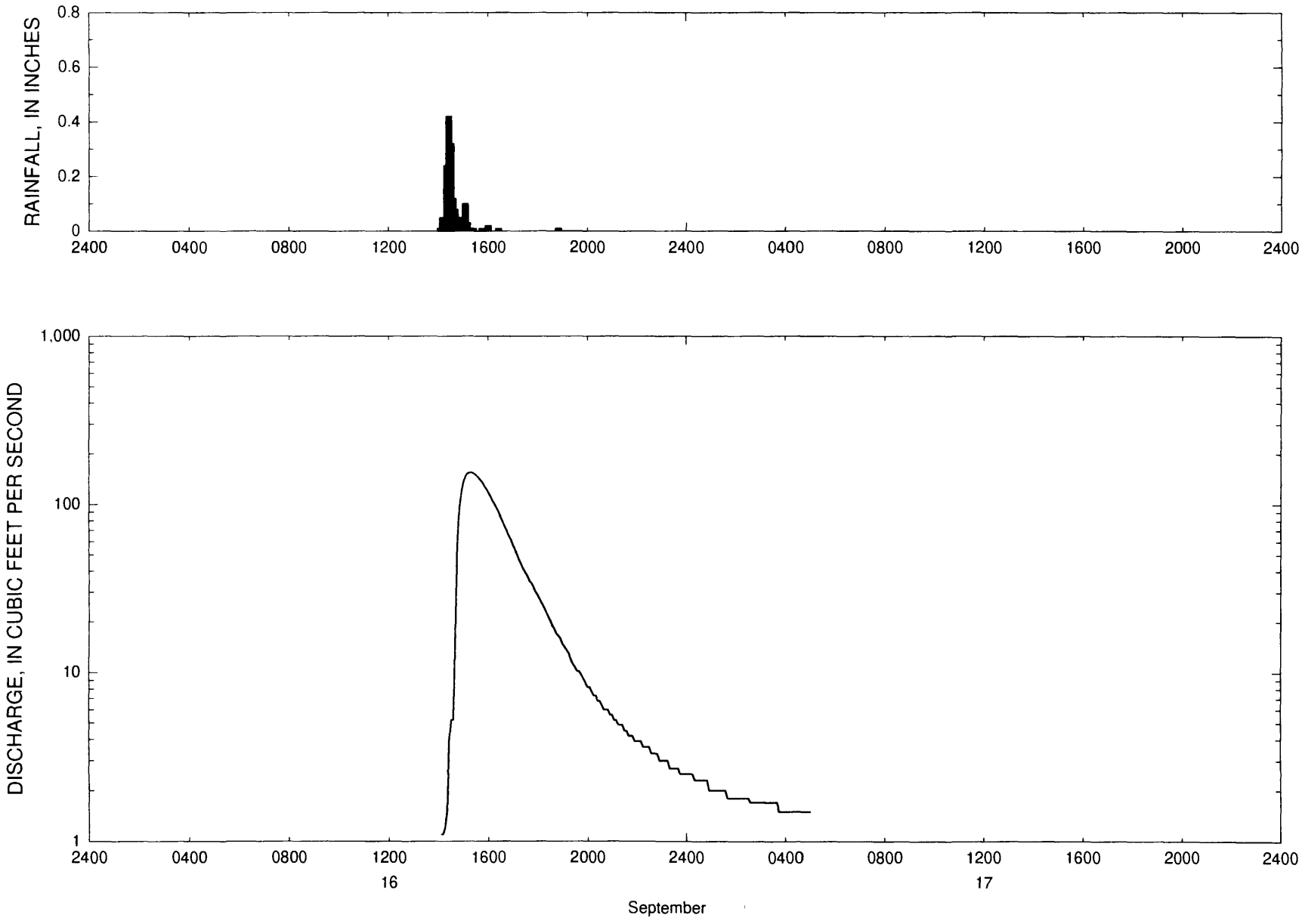


Figure 6.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, September 16-17, 1999.

Table 5.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, September 16-17, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 16, 1989			1905	14.2	0.00	0005	2.5	0.00
1405	1.1	0.01	1910	13.6	0.00	0010	2.5	0.00
1410	1.1	0.05	1915	13.0	0.00	0015	2.5	0.00
1415	1.2	0.05	1920	11.9	0.00	0020	2.3	0.00
1420	1.5	0.24	1925	11.3	0.00	0025	2.3	0.00
1425	3.9	0.42	1930	10.8	0.00	0030	2.3	0.00
1430	5.2	0.32	1935	10.2	0.00	0035	2.3	0.00
1435	5.2	0.12	1940	10.2	0.00	0040	2.3	0.00
1440	17.2	0.08	1945	9.7	0.00	0045	2.3	0.00
1445	58.9	0.03	1950	9.2	0.00	0050	2.3	0.00
1450	96.4	0.05	1955	8.7	0.00	0055	2.0	0.00
1455	119.0	0.01	2000	8.2	0.00	0100	2.0	0.00
1500	136.0	0.03	2005	8.2	0.00	0105	2.0	0.00
1505	148.0	0.10	2010	7.7	0.00	0110	2.0	0.00
1510	153.0	0.03	2015	7.3	0.00	0115	2.0	0.00
1515	155.0	0.00	2020	7.3	0.00	0120	2.0	0.00
1520	155.0	0.01	2025	6.8	0.00	0125	2.0	0.00
1525	153.0	0.01	2030	6.8	0.00	0130	2.0	0.00
1530	150.0	0.00	2035	6.4	0.00	0135	2.0	0.00
1535	145.0	0.00	2040	6.0	0.00	0140	1.8	0.00
1540	140.0	0.00	2045	6.0	0.00	0145	1.8	0.00
1545	136.0	0.01	2050	6.0	0.00	0150	1.8	0.00
1550	129.0	0.01	2055	5.6	0.00	0155	1.8	0.00
1555	124.0	0.00	2100	5.6	0.00	0200	1.8	0.00
1600	118.0	0.02	2105	5.2	0.00	0205	1.8	0.00
1605	112.0	0.00	2110	5.2	0.00	0210	1.8	0.00
1610	105.0	0.00	2115	4.9	0.00	0215	1.8	0.00
1615	100.0	0.00	2120	4.9	0.00	0220	1.8	0.00
1620	94.6	0.00	2125	4.9	0.00	0225	1.8	0.00
1625	89.3	0.01	2130	4.5	0.00	0230	1.8	0.00
1630	84.1	0.00	2135	4.5	0.00	0235	1.7	0.00
1635	79.1	0.00	2140	4.2	0.00	0240	1.7	0.00
1640	74.2	0.00	2145	4.2	0.00	0245	1.7	0.00
1645	70.0	0.00	2150	4.2	0.00	0250	1.7	0.00
1650	65.1	0.00	2155	3.9	0.00	0255	1.7	0.00
1655	61.9	0.00	2200	3.9	0.00	0300	1.7	0.00
1700	57.3	0.00	2205	3.9	0.00	0305	1.7	0.00
1705	53.6	0.00	2210	3.9	0.00	0310	1.7	0.00
1710	50.7	0.00	2215	3.6	0.00	0315	1.7	0.00
1715	47.1	0.00	2220	3.6	0.00	0320	1.7	0.00
1720	44.3	0.00	2225	3.6	0.00	0325	1.7	0.00
1725	41.6	0.00	2230	3.6	0.00	0330	1.7	0.00
1730	39.6	0.00	2235	3.3	0.00	0335	1.7	0.00
1735	37.6	0.00	2240	3.3	0.00	0340	1.7	0.00
1740	35.1	0.00	2245	3.3	0.00	0345	1.5	0.00
1745	33.9	0.00	2250	3.3	0.00	0350	1.5	0.00
1750	32.1	0.00	2255	3.0	0.00	0355	1.5	0.00
1755	30.3	0.00	2300	3.0	0.00	0400	1.5	0.00
1800	29.1	0.00	2305	3.0	0.00	0405	1.5	0.00
1805	27.3	0.00	2310	3.0	0.00	0410	1.5	0.00
1810	25.9	0.00	2315	3.0	0.00	0415	1.5	0.00
1815	24.5	0.00	2320	2.7	0.00	0420	1.5	0.00
1820	23.1	0.00	2325	2.7	0.00	0425	1.5	0.00
1825	21.8	0.00	2330	2.7	0.00	0430	1.5	0.00
1830	20.4	0.00	2335	2.7	0.00	0435	1.5	0.00
1835	19.1	0.00	2340	2.7	0.00	0440	1.5	0.00
1840	18.4	0.00	2345	2.5	0.00	0445	1.5	0.00
1845	17.2	0.00	2350	2.5	0.00	0450	1.5	0.00
1850	16.6	0.01	2355	2.5	0.00	0455	1.5	0.00
1855	16.0	0.00	September 17, 1989			0500	1.5	0.00
1900	14.8	0.00	0000	2.5	0.00			

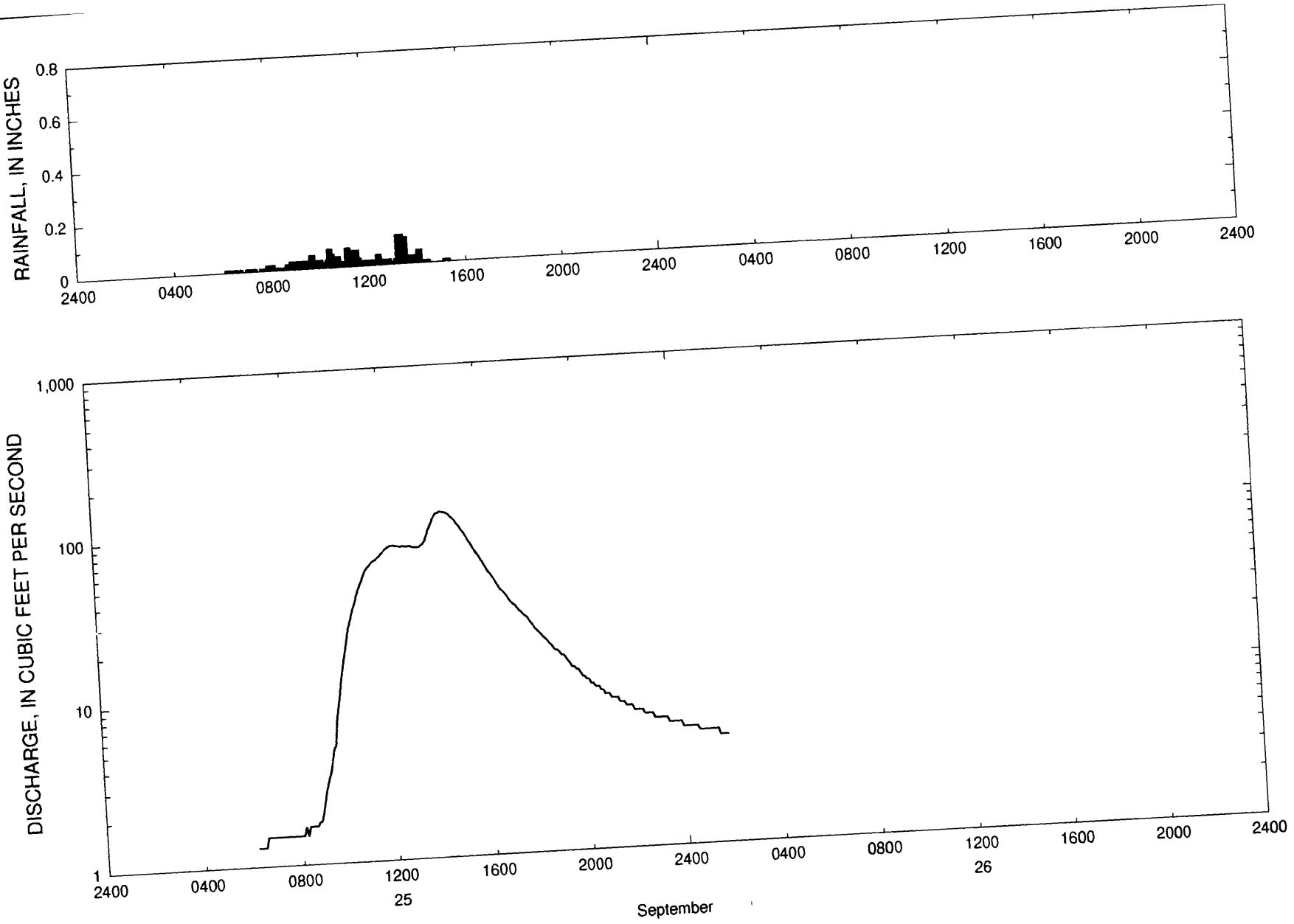


Figure 7.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, September 25-26, 1989.

Table 6.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, September 25-26, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 25, 1989			1130	66.7	0.06	1655	37.0	0.00
0610	1.3	0.01	1135	67.5	0.03	1700	35.1	0.00
0615	1.3	0.00	1140	69.2	0.02	1705	33.9	0.00
0620	1.3	0.00	1145	70.8	0.01	1710	32.7	0.00
0625	1.3	0.01	1150	73.3	0.02	1715	32.1	0.00
0630	1.3	0.00	1155	75.0	0.01	1720	30.9	0.00
0635	1.5	0.00	1200	77.4	0.01	1725	29.7	0.00
0640	1.5	0.01	1205	79.1	0.02	1730	29.1	0.00
0645	1.5	0.00	1210	80.8	0.02	1735	28.0	0.00
0650	1.5	0.00	1215	81.6	0.01	1740	27.3	0.00
0655	1.5	0.00	1220	81.6	0.01	1745	26.6	0.00
0700	1.5	0.01	1225	81.6	0.04	1750	25.2	0.00
0705	1.5	0.00	1230	80.8	0.02	1755	24.5	0.00
0710	1.5	0.00	1235	80.8	0.02	1800	23.1	0.00
0715	1.5	0.01	1240	79.9	0.01	1805	22.5	0.00
0720	1.5	0.00	1245	80.8	0.01	1810	21.8	0.00
0725	1.5	0.00	1250	79.9	0.02	1815	21.1	0.00
0730	1.5	0.00	1255	79.9	0.01	1820	20.4	0.00
0735	1.5	0.01	1300	79.9	0.01	1825	19.7	0.00
0740	1.5	0.00	1305	79.9	0.00	1830	19.1	0.00
0745	1.5	0.01	1310	79.1	0.02	1835	18.4	0.00
0750	1.5	0.02	1315	78.3	0.11	1840	17.8	0.00
0755	1.5	0.02	1320	78.3	0.11	1845	17.2	0.00
0800	1.5	0.02	1325	78.3	0.08	1850	16.6	0.00
0805	1.5	0.01	1330	79.9	0.10	1855	16.6	0.00
0810	1.7	0.01	1335	81.6	0.03	1900	16.0	0.00
0815	1.5	0.00	1340	85.0	0.02	1905	15.4	0.00
0820	1.7	0.01	1345	91.0	0.03	1910	15.4	0.00
0825	1.7	0.01	1350	99.1	0.03	1915	14.8	0.00
0830	1.7	0.01	1355	105.0	0.01	1920	14.2	0.00
0835	1.7	0.00	1400	113.0	0.01	1925	13.6	0.00
0840	1.7	0.02	1405	119.0	0.05	1930	13.0	0.00
0845	1.8	0.02	1410	124.0	0.00	1935	13.0	0.00
0850	1.8	0.03	1415	125.0	0.01	1940	12.5	0.00
0855	2.0	0.03	1420	127.0	0.00	1945	12.5	0.00
0900	2.3	0.03	1425	126.0	0.01	1950	11.9	0.00
0905	2.7	0.03	1430	126.0	0.00	1955	11.3	0.00
0910	3.0	0.01	1435	124.0	0.00	2000	11.3	0.00
0915	3.3	0.03	1440	122.0	0.00	2005	10.8	0.00
0920	3.6	0.02	1445	118.0	0.00	2010	10.8	0.00
0925	4.2	0.03	1450	115.0	0.00	2015	10.2	0.00
0930	4.9	0.02	1455	111.0	0.00	2020	10.2	0.00
0935	5.2	0.02	1500	106.0	0.00	2025	9.7	0.00
0940	7.3	0.05	1505	102.0	0.00	2030	9.7	0.00
0945	8.7	0.03	1510	97.3	0.01	2035	9.7	0.00
0950	10.2	0.01	1515	93.7	0.01	2040	9.2	0.00
0955	12.5	0.02	1520	89.3	0.00	2045	9.2	0.00
1000	14.8	0.03	1525	84.1	0.00	2050	8.7	0.00
1005	17.2	0.01	1530	80.8	0.00	2055	8.7	0.00
1010	19.7	0.01	1535	76.6	0.00	2100	8.7	0.00
1015	23.1	0.02	1540	72.5	0.00	2105	8.2	0.00
1020	26.6	0.03	1545	69.2	0.00	2110	8.2	0.00
1025	29.1	0.07	1550	65.9	0.00	2115	8.2	0.00
1030	32.1	0.05	1555	62.7	0.00	2120	8.2	0.00
1035	35.1	0.03	1600	59.6	0.00	2125	7.7	0.00
1040	37.6	0.03	1605	56.6	0.00	2130	7.7	0.00
1045	41.6	0.04	1610	53.6	0.00	2135	7.7	0.00
1050	45.0	0.02	1615	51.4	0.00	2140	7.3	0.00
1055	48.5	0.01	1620	49.3	0.00	2145	7.3	0.00
1100	51.4	0 01	1625	47.1	0.00	2150	7.3	0.00
1105	55.8	0.02	1630	45.0	0.00	2155	7.3	0.00
1110	58.9	0.07	1635	42.9	0.00	2200	6.8	0.00
1115	61.2	0.03	1640	40.9	0.00	2205	6.8	0.00
1120	62.7	0.06	1645	39.6	0.00	2210	6.8	0.00
1125	65.1	0.06	1650	38.3	0.00	2215	6.8	0.00

Table 6.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, September 25-26, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
2220	6.8	0.00	2340	5.6	0.00	0055	4.9	0.00
2225	6.4	0.00	2345	5.6	0.00	0100	4.9	0.00
2230	6.4	0.00	2350	5.6	0.00	0105	4.9	0.00
2235	6.4	0.00	2355	5.6	0.00	0110	4.9	0.00
2240	6.4	0.00	September 26, 1989			0115	4.9	0.00
2245	6.4	0.00	0000	5.2	0.00	0120	4.9	0.00
2250	6.0	0.00	0005	5.2	0.00	0125	4.9	0.00
2255	6.0	0.00	0010	5.2	0.00	0130	4.5	0.00
2300	6.0	0.00	0015	5.2	0.00	0135	4.5	0.00
2305	6.0	0.00	0020	5.2	0.00	0140	4.5	0.00
2310	6.0	0.00	0025	5.2	0.00	0145	4.5	0.00
2315	6.0	0.00	0030	5.2	0.00	0150	4.5	0.00
2320	6.0	0.00	0035	5.2	0.00	0155	4.5	0.00
2325	5.6	0.00	0040	4.9	0.00	0200	4.5	0.00
2330	5.6	0.00	0045	4.9	0.00			
2335	5.6	0.00	0050	4.9	0.00			

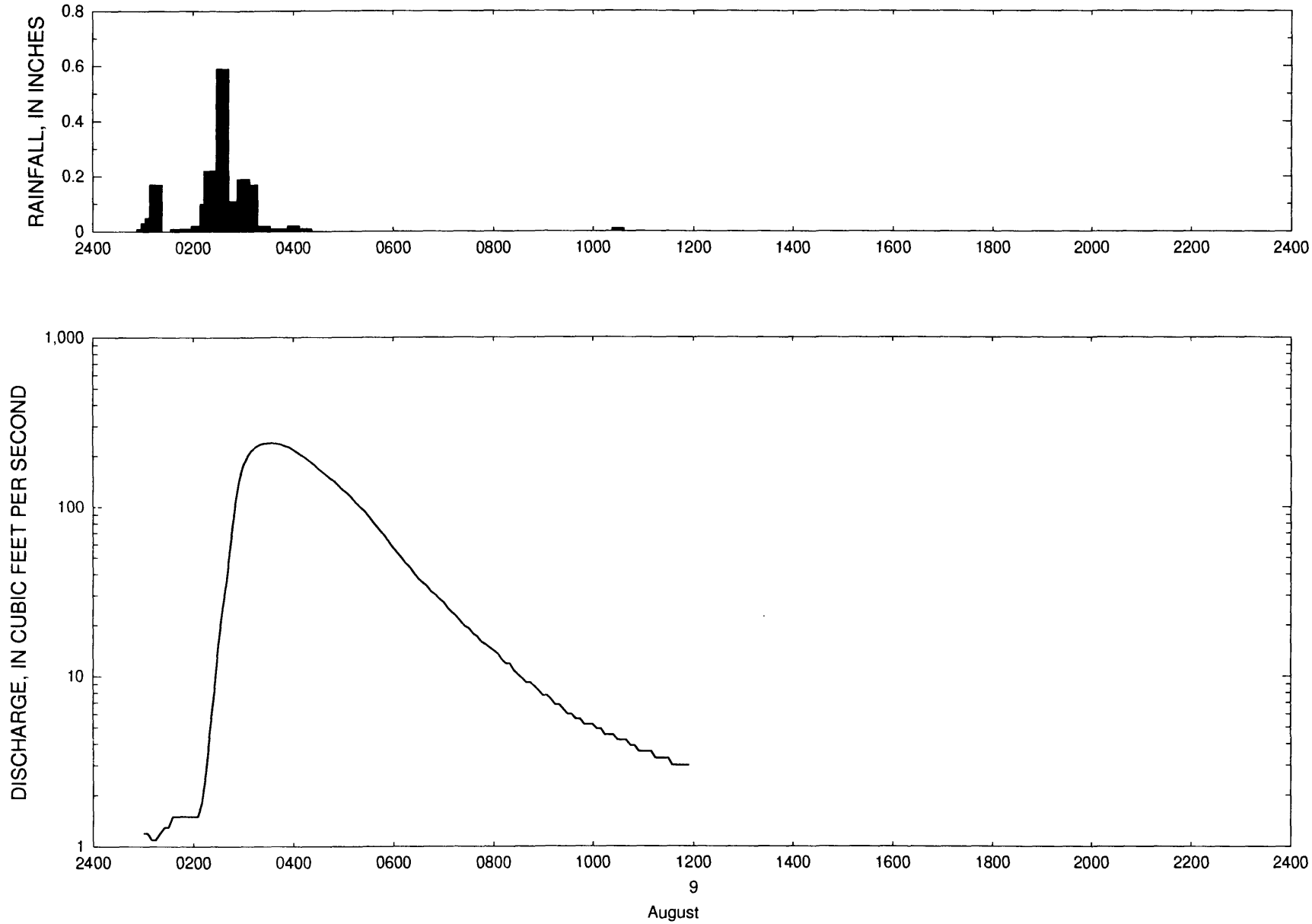


Figure 8.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, August 9, 1990.

Table 7.--Streamflow and rainfall at station 02110740, Midway Swash at Myrtle Beach, August 9, 1990

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 9, 1990			0440	154.0	0.00	0825	10.8	0.00
0100	1.2	0.01	0445	147.0	0.00	0830	10.2	0.00
0105	1.2	0.03	0450	141.0	0.00	0835	9.7	0.00
0110	1.1	0.05	0455	133.0	0.00	0840	9.2	0.00
0115	1.1	0.17	0500	126.0	0.00	0845	9.2	0.00
0120	1.2	0.00	0505	121.0	0.00	0850	8.7	0.00
0125	1.3	0.00	0510	114.0	0.00	0855	8.2	0.00
0130	1.3	0.00	0515	106.0	0.00	0900	7.7	0.00
0135	1.5	0.00	0520	100.0	0.00	0905	7.7	0.00
0140	1.5	0.01	0525	94.6	0.00	0910	7.3	0.00
0145	1.5	0.01	0530	88.4	0.00	0915	6.8	0.00
0150	1.5	0.00	0535	82.4	0.00	0920	6.8	0.00
0155	1.5	0.00	0540	76.6	0.00	0925	6.4	0.00
0200	1.5	0.01	0545	71.6	0.00	0930	6.0	0.00
0205	1.5	0.02	0550	66.7	0.00	0935	6.0	0.00
0210	1.8	0.01	0555	61.9	0.00	0940	5.6	0.00
0215	2.7	0.10	0600	57.3	0.00	0945	5.6	0.00
0220	4.9	0.22	0605	53.6	0.00	0950	5.2	0.00
0225	8.2	0.00	0610	50.0	0.00	0955	5.2	0.00
0230	15.4	0.01	0615	46.4	0.00	1000	5.2	0.00
0235	25.2	0.59	0620	43.6	0.00	1005	4.9	0.00
0240	36.4	0.04	0625	40.2	0.00	1010	4.9	0.00
0245	62.7	0.11	0630	37.6	0.00	1015	4.5	0.00
0250	103.0	0.05	0635	35.7	0.00	1020	4.5	0.00
0255	144.0	0.06	0640	33.9	0.00	1025	4.5	0.00
0300	177.0	0.19	0645	31.5	0.00	1030	4.2	0.01
0305	199.0	0.01	0650	30.3	0.00	1035	4.2	0.00
0310	216.0	0.17	0655	28.6	0.00	1040	4.2	0.00
0315	227.0	0.01	0700	27.3	0.00	1045	3.9	0.00
0320	234.0	0.01	0705	25.2	0.00	1050	3.9	0.00
0325	238.0	0.02	0710	23.8	0.00	1055	3.6	0.00
0330	239.0	0.01	0715	22.5	0.00	1100	3.6	0.00
0335	239.0	0.01	0720	21.1	0.00	1105	3.6	0.00
0340	238.0	0.00	0725	19.7	0.00	1110	3.6	0.00
0345	235.0	0.01	0730	19.1	0.00	1115	3.3	0.00
0350	230.0	0.01	0735	17.8	0.00	1120	3.3	0.00
0355	226.0	0.01	0740	17.2	0.00	1125	3.3	0.00
0400	218.0	0.02	0745	16.0	0.00	1130	3.3	0.00
0405	210.0	0.01	0750	15.4	0.00	1135	3.0	0.00
0410	202.0	0.00	0755	14.8	0.00	1140	3.0	0.00
0415	194.0	0.01	0800	14.2	0.00	1145	3.0	0.00
0420	186.0	0.00	0805	13.6	0.00	1150	3.0	0.00
0425	178.0	0.00	0810	12.5	0.00	1155	3.0	0.00
0430	169.0	0.00	0815	11.9	0.00	1200	3.0	0.00
0435	162.0	0.00	0820	11.9	0.00			

Station 02131130, Gully Branch at Florence, S.C.

Location.--Lat 34°11'00", long 79°46'12", Florence County, Hydrologic Unit 03040201, at culvert on Cherokee Road (State secondary road 13), 1.1 mi south of the Florence City/County Complex, and 0.8 mi upstream from the mouth at Jefferies Creek.

Period of record.-- August 24, 1984 to October 4, 1989.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to the left upstream wingwall of a double 10 ft by 10 ft concrete box culvert. A sealed intake pipe extends 20 ft upstream to a separate stilling basin (sand trap) with a removable lid. One crest-stage indicator is located opposite the recording gage intake on the upstream right bank. A second crest-stage indicator is located on the right downstream wingwall.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 12 ft^3/s. The stage-streamflow relation was extended to 700 ft^3/s using indirect computational methods.

Rain gage and location.--Station 341100079461200, lat 34°11'00", long 79°46'12". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval attached to the upstream culvert headwall at Cherokee Road (State secondary road 13), 1.1 mi south of the Florence City/County Complex, and 0.8 mi upstream from the mouth at Jefferies Creek.

Selected basin characteristics.--

Drainage area -- 1.92 mi^2
Physiographic province -- Lower Coastal Plain
Channel slope -- 29.1 ft/mi
Channel length -- 1.97 mi
Total impervious area -- 31.0 percent
Basin development factor -- 9
2-year, 2-hour rainfall amount -- 2.24 in.

Flood frequency data:	UQ_2	555 ft^3/s
	UQ_5	951 ft^3/s
	UQ_{10}	1,220 ft^3/s
	UQ_{25}	1,560 ft^3/s
	UQ_{50}	1,810 ft^3/s
	UQ_{100}	2,050 ft^3/s
	UQ_{500}	2,580 ft^3/s

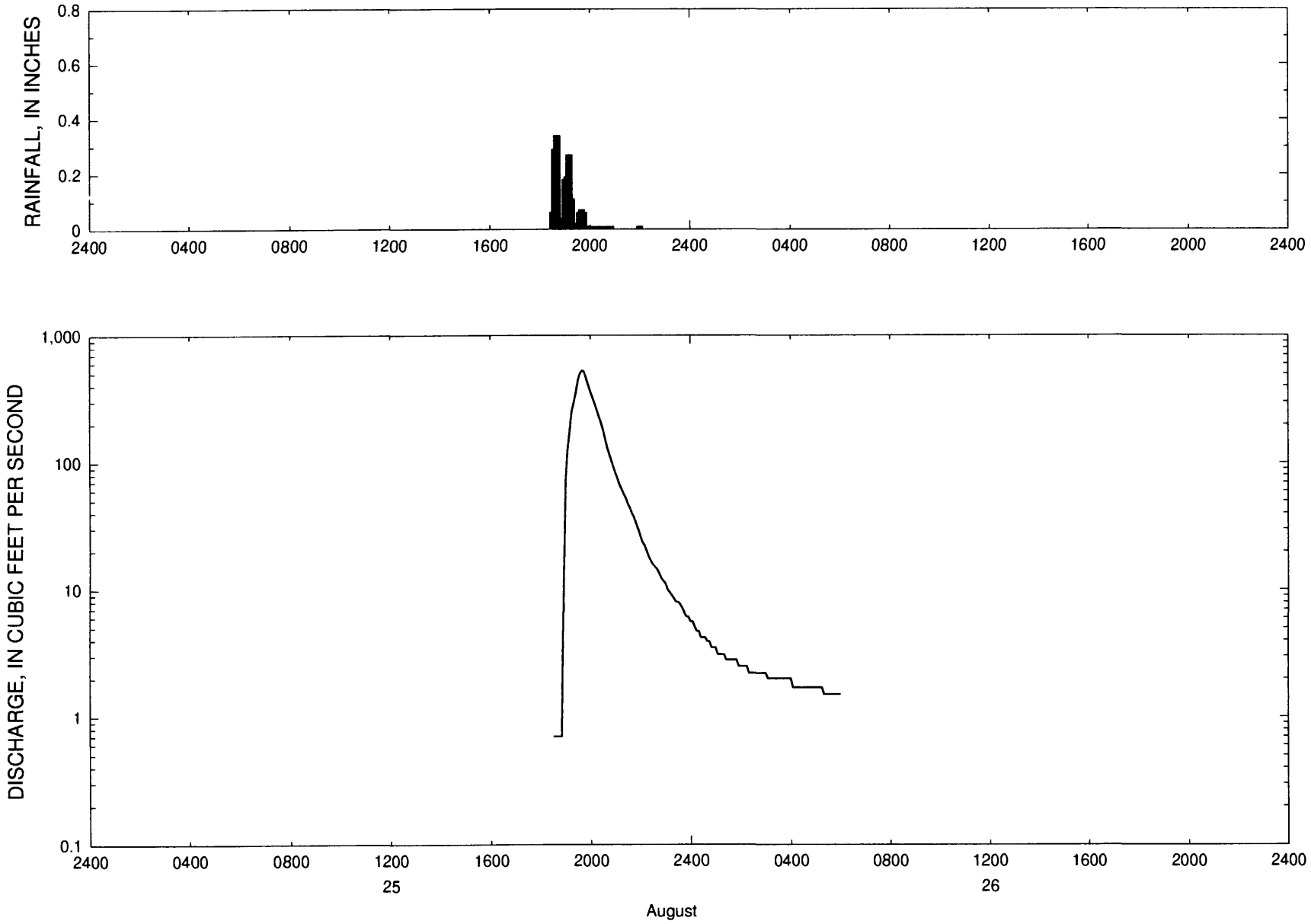


Figure 9.--Streamflow and rainfall at station 02131130, Gully Branch at Florence, August 25-26, 1985.

Table 8.--Streamflow and rainfall at station 02131130, Gully Branch at Florence, August 25-26, 1985

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 25, 1985			2225	16.9	0.00	0220	2.2	0.00
1830	0.7	0.06	2230	15.8	0.00	0225	2.2	0.00
1835	0.7	0.29	2235	15.1	0.00	0230	2.2	0.00
1840	0.7	0.34	2240	14.5	0.00	0235	2.2	0.00
1845	0.7	0.01	2245	13.4	0.00	0240	2.2	0.00
1850	0.7	0.01	2250	12.3	0.00	0245	2.2	0.00
1855	10.6	0.04	2255	11.7	0.00	0250	2.2	0.00
1900	71.8	0.18	2300	11.1	0.00	0255	2.2	0.00
1905	126.0	0.19	2305	10.0	0.00	0300	2.2	0.00
1910	174.0	0.27	2310	9.5	0.00	0305	2.0	0.00
1915	250.0	0.11	2315	9.0	0.00	0310	2.0	0.00
1920	294.0	0.02	2320	8.5	0.00	0315	2.0	0.00
1925	356.0	0.01	2325	8.0	0.00	0320	2.0	0.00
1930	442.0	0.01	2330	8.0	0.00	0325	2.0	0.00
1935	502.0	0.06	2335	7.6	0.00	0330	2.0	0.00
1940	530.0	0.07	2340	7.1	0.00	0335	2.0	0.00
1945	522.0	0.06	2345	6.6	0.00	0340	2.0	0.00
1950	460.0	0.01	2350	6.1	0.00	0345	2.0	0.00
1955	405.0	0.01	2355	6.1	0.00	0350	2.0	0.00
2000	358.0	0.01	August 26, 1985			0355	2.0	0.00
2005	324.0	0.01	0000	5.6	0.00	0400	2.0	0.00
2010	292.0	0.01	0005	5.6	0.00	0405	1.7	0.00
2015	261.0	0.01	0010	5.1	0.00	0410	1.7	0.00
2020	232.0	0.00	0015	4.7	0.00	0415	1.7	0.00
2025	208.0	0.01	0020	4.7	0.00	0420	1.7	0.00
2030	182.0	0.01	0025	4.2	0.00	0425	1.7	0.00
2035	157.0	0.00	0030	4.2	0.00	0430	1.7	0.00
2040	134.0	0.01	0035	4.2	0.00	0435	1.7	0.00
2045	118.0	0.00	0040	3.9	0.00	0440	1.7	0.00
2050	105.0	0.01	0045	3.9	0.00	0445	1.7	0.00
2055	93.3	0.00	0050	3.5	0.00	0450	1.7	0.00
2100	83.7	0.00	0055	3.5	0.00	0455	1.7	0.00
2105	75.7	0.00	0100	3.5	0.00	0500	1.7	0.00
2110	68.0	0.00	0105	3.1	0.00	0505	1.7	0.00
2115	61.7	0.00	0110	3.1	0.00	0510	1.7	0.00
2120	56.5	0.00	0115	3.1	0.00	0515	1.7	0.00
2125	52.4	0.00	0120	3.1	0.00	0520	1.5	0.00
2130	47.4	0.00	0125	2.8	0.00	0525	1.5	0.00
2135	44.0	0.00	0130	2.8	0.00	0530	1.5	0.00
2140	40.0	0.00	0135	2.8	0.00	0535	1.5	0.00
2145	37.0	0.00	0140	2.8	0.00	0540	1.5	0.00
2150	33.4	0.00	0145	2.8	0.00	0545	1.5	0.00
2155	30.0	0.00	0150	2.8	0.00	0550	1.5	0.00
2200	26.7	0.01	0155	2.5	0.00	0555	1.5	0.00
2205	23.7	0.00	0200	2.5	0.00	0600	1.5	0.00
2210	22.3	0.00	0205	2.5	0.00			
2215	20.2	0.00	0210	2.5	0.00			
2220	18.2	0.00	0215	2.5	0.00			

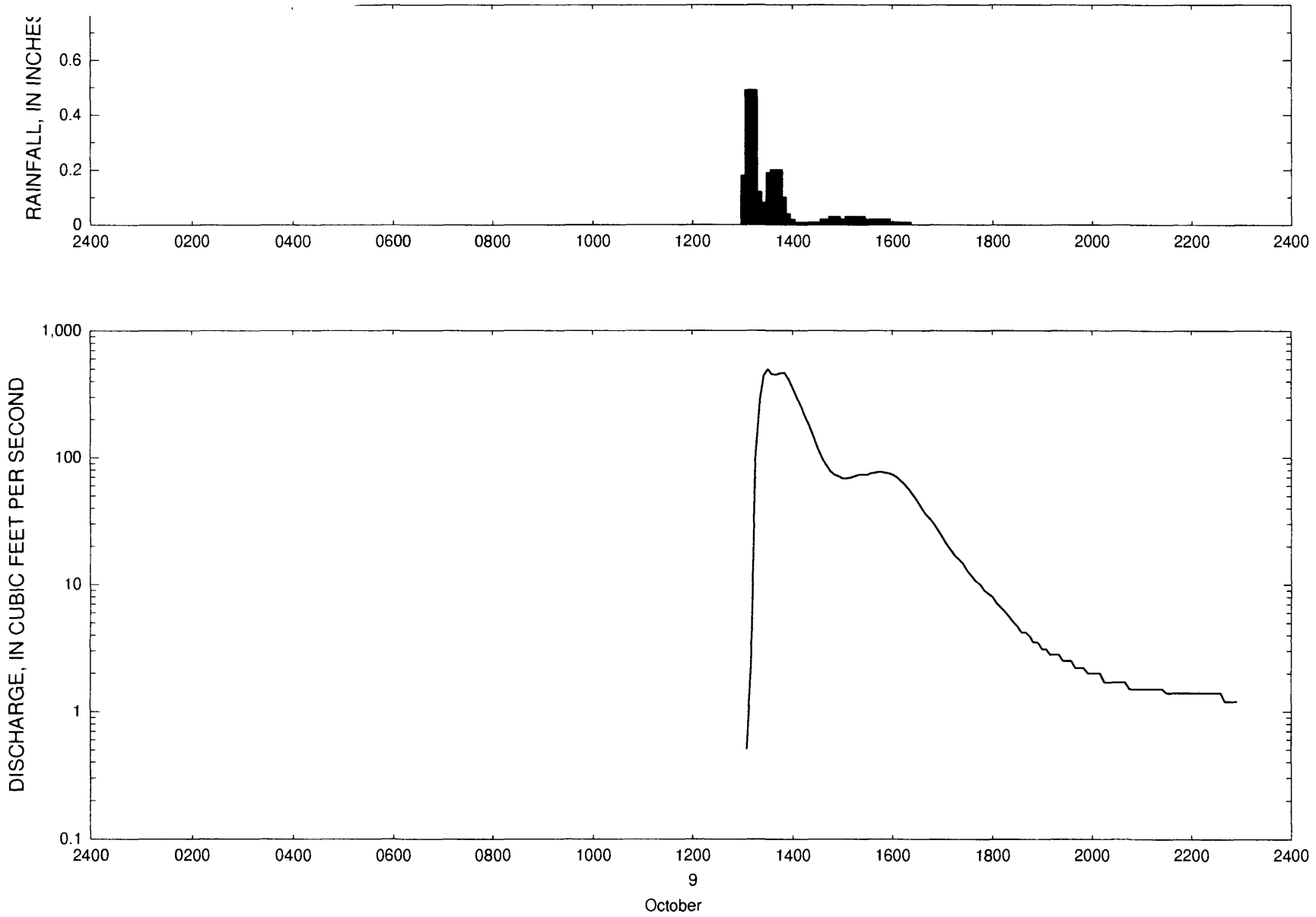


Figure 10.--Streamflow and rainfall at station 02131130, Gully Branch at Florence, October 9, 1986.

Table 9.--Streamflow and rainfall at station 02131130, Gully Branch at Florence, October 9, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
October 9, 1986			1625	50.8	0.00	1950	2.2	0.00
1305	0.5	0.18	1630	45.7	0.00	1955	2.0	0.00
1310	2.5	0.49	1635	40.8	0.00	2000	2.0	0.00
1315	93.3	0.12	1640	36.3	0.00	2005	2.0	0.00
1320	264.0	0.02	1645	33.4	0.00	2010	2.0	0.00
1325	442.0	0.01	1650	30.0	0.00	2015	1.7	0.00
1330	500.0	0.08	1655	26.7	0.00	2020	1.7	0.00
1335	454.0	0.19	1700	23.7	0.00	2025	1.7	0.00
1340	452.0	0.20	1705	20.9	0.00	2030	1.7	0.00
1345	463.0	0.10	1710	18.8	0.00	2035	1.7	0.00
1350	467.0	0.04	1715	16.9	0.00	2040	1.7	0.00
1355	419.0	0.02	1720	15.7	0.00	2045	1.5	0.00
1400	356.0	0.01	1725	14.5	0.00	2050	1.5	0.00
1405	300.0	0.00	1730	12.8	0.00	2055	1.5	0.00
1410	253.0	0.00	1735	11.7	0.00	2100	1.5	0.00
1415	211.0	0.01	1740	10.6	0.00	2105	1.5	0.00
1420	179.0	0.00	1745	10.0	0.00	2110	1.5	0.00
1425	147.0	0.00	1750	9.0	0.00	2115	1.5	0.00
1430	121.0	0.01	1755	8.5	0.00	2120	1.5	0.00
1435	102.0	0.01	1800	8.0	0.00	2125	1.5	0.00
1440	87.9	0.02	1805	7.1	0.00	2130	1.4	0.00
1445	78.6	0.02	1810	6.6	0.00	2135	1.4	0.00
1450	73.7	0.03	1815	6.1	0.00	2140	1.4	0.00
1455	71.8	0.01	1820	5.6	0.00	2145	1.4	0.00
1500	68.9	0.02	1825	5.1	0.00	2150	1.4	0.00
1505	68.9	0.02	1830	4.7	0.00	2155	1.4	0.00
1510	69.9	0.03	1835	4.2	0.00	2200	1.4	0.00
1515	71.8	0.01	1840	4.2	0.00	2205	1.4	0.00
1520	73.7	0.03	1845	3.9	0.00	2210	1.4	0.00
1525	73.7	0.01	1850	3.5	0.00	2215	1.4	0.00
1530	73.7	0.02	1855	3.5	0.00	2220	1.4	0.00
1535	75.7	0.02	1900	3.1	0.00	2225	1.4	0.00
1540	76.6	0.01	1905	3.1	0.00	2230	1.4	0.00
1545	77.6	0.01	1910	2.8	0.00	2235	1.4	0.00
1550	76.6	0.02	1915	2.8	0.00	2240	1.2	0.00
1555	75.7	0.00	1920	2.8	0.00	2245	1.2	0.00
1600	73.7	0.01	1925	2.5	0.00	2250	1.2	0.00
1605	70.8	0.00	1930	2.5	0.00	2255	1.2	0.00
1610	66.2	0.00	1935	2.5	0.00	2300	1.2	0.00
1615	61.7	0.01	1940	2.2	0.00			
1620	56.5	0.00	1945	2.2	0.00			

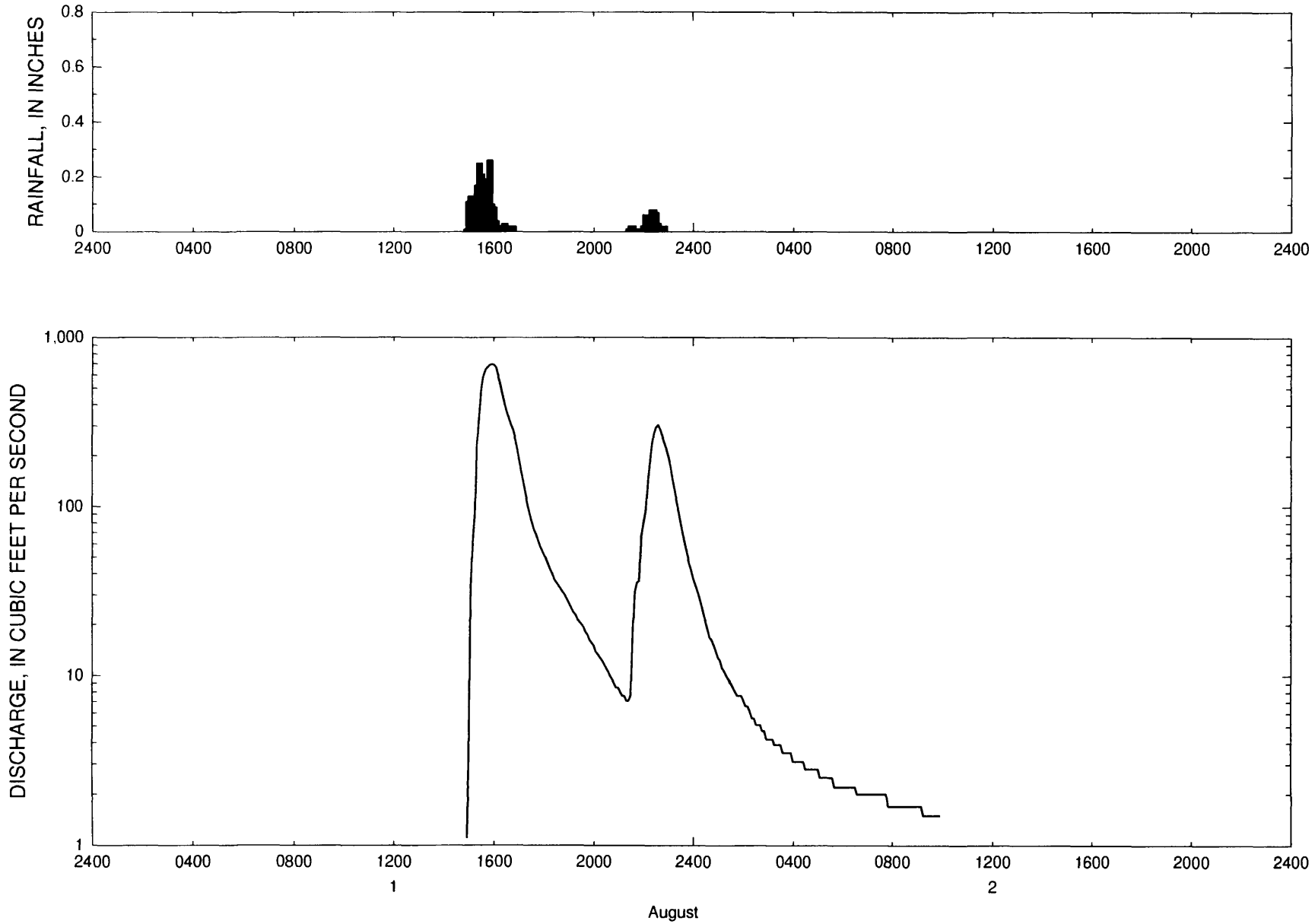


Figure 11.--Streamflow and rainfall at station 02131130, Gully Branch at Florence, August 1-2, 1987.

Table 10.--Streamflow and rainfall at station 02131130, Gully Branch at Florence, August 1-2, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 1, 1987			2015	12.8	0.00	0135	8.5	0.00
1455	1.1	0.01	2020	12.3	0.00	0140	8.0	0.00
1500	3.1	0.11	2025	11.7	0.00	0145	7.6	0.00
1505	34.1	0.13	2030	11.1	0.00	0150	7.6	0.00
1510	62.6	0.12	2035	10.6	0.00	0155	7.6	0.00
1515	91.1	0.09	2040	10.0	0.00	0200	7.1	0.00
1520	235.0	0.17	2045	9.5	0.00	0205	6.6	0.00
1525	354.0	0.25	2050	9.0	0.00	0210	6.6	0.00
1530	498.0	0.21	2055	8.5	0.00	0215	6.1	0.00
1535	602.0	0.19	2100	8.5	0.00	0220	5.6	0.00
1540	648.0	0.18	2105	8.0	0.00	0225	5.6	0.00
1545	671.0	0.15	2110	7.6	0.00	0230	5.1	0.00
1550	690.0	0.26	2115	7.6	0.00	0235	5.1	0.00
1555	696.0	0.10	2120	7.1	0.00	0240	5.1	0.00
1600	690.0	0.09	2125	7.1	0.01	0245	4.7	0.00
1605	669.0	0.04	2130	7.6	0.02	0250	4.7	0.00
1610	602.0	0.02	2135	17.5	0.02	0255	4.2	0.00
1615	528.0	0.01	2140	31.3	0.01	0300	4.2	0.00
1620	458.0	0.00	2145	35.5	0.01	0305	4.2	0.00
1625	402.0	0.03	2150	36.3	0.00	0310	4.2	0.00
1630	362.0	0.02	2155	67.1	0.01	0315	3.9	0.00
1635	333.0	0.01	2200	79.6	0.02	0320	3.9	0.00
1640	305.0	0.02	2205	93.3	0.06	0325	3.9	0.00
1645	284.0	0.02	2210	134.0	0.06	0330	3.9	0.00
1650	252.0	0.00	2215	178.0	0.06	0335	3.5	0.00
1655	219.0	0.00	2220	226.0	0.08	0340	3.5	0.00
1700	188.0	0.00	2225	270.0	0.08	0345	3.5	0.00
1705	160.0	0.00	2230	294.0	0.07	0350	3.5	0.00
1710	138.0	0.00	2235	305.0	0.03	0355	3.5	0.00
1715	119.0	0.00	2240	287.0	0.02	0400	3.1	0.00
1720	102.0	0.00	2245	264.0	0.02	0405	3.1	0.00
1725	91.1	0.00	2250	242.0	0.02	0410	3.1	0.00
1730	81.7	0.00	2255	222.0	0.00	0415	3.1	0.00
1735	73.7	0.00	2300	199.0	0.00	0420	3.1	0.00
1740	68.9	0.00	2305	173.0	0.00	0425	3.1	0.00
1745	63.5	0.00	2310	147.0	0.00	0430	2.8	0.00
1750	58.2	0.00	2315	127.0	0.00	0435	2.8	0.00
1755	54.9	0.00	2320	109.0	0.00	0440	2.8	0.00
1800	51.6	0.00	2325	93.3	0.00	0445	2.8	0.00
1805	49.1	0.00	2330	79.6	0.00	0450	2.8	0.00
1810	45.7	0.00	2335	68.9	0.00	0455	2.8	0.00
1815	42.4	0.00	2340	59.9	0.00	0500	2.8	0.00
1820	40.0	0.00	2345	53.2	0.00	0505	2.5	0.00
1825	37.0	0.00	2350	46.5	0.00	0510	2.5	0.00
1830	35.5	0.00	2355	42.4	0.00	0515	2.5	0.00
1835	34.1	0.00	August 2, 1987			0520	2.5	0.00
1840	32.7	0.00	0000	37.7	0.00	0525	2.5	0.00
1845	31.3	0.00	0005	34.8	0.00	0530	2.5	0.00
1850	30.0	0.00	0010	32.0	0.00	0535	2.5	0.00
1855	28.3	0.00	0015	29.2	0.00	0540	2.2	0.00
1900	26.7	0.00	0020	26.0	0.00	0545	2.2	0.00
1905	25.2	0.00	0025	23.0	0.00	0550	2.2	0.00
1910	23.7	0.00	0030	20.9	0.00	0555	2.2	0.00
1915	23.0	0.00	0035	18.8	0.00	0600	2.2	0.00
1920	21.6	0.00	0040	16.9	0.00	0605	2.2	0.00
1925	20.9	0.00	0045	16.3	0.00	0610	2.2	0.00
1930	20.2	0.00	0050	15.1	0.00	0615	2.2	0.00
1935	19.5	0.00	0055	13.9	0.00	0620	2.2	0.00
1940	18.2	0.00	0100	12.8	0.00	0625	2.2	0.00
1945	17.5	0.00	0105	12.3	0.00	0630	2.2	0.00
1950	16.3	0.00	0110	11.1	0.00	0635	2.0	0.00
1955	15.7	0.00	0115	10.6	0.00	0640	2.0	0.00
2000	15.1	0.00	0120	10.0	0.00	0645	2.0	0.00
2005	13.9	0.00	0125	9.5	0.00	0650	2.0	0.00
2010	13.4	0.00	0130	9.0	0.00	0655	2.0	0.00

Table 10.--Streamflow and rainfall at station 02131130, Gully Branch at Florence, August 1-2, 1987--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0700	2.0	0.00	0805	1.7	0.00	0910	1.7	0.00
0705	2.0	0.00	0810	1.7	0.00	0915	1.5	0.00
0710	2.0	0.00	0815	1.7	0.00	0920	1.5	0.00
0715	2.0	0.00	0820	1.7	0.00	0925	1.5	0.00
0720	2.0	0.00	0825	1.7	0.00	0930	1.5	0.00
0725	2.0	0.00	0830	1.7	0.00	0935	1.5	0.00
0730	2.0	0.00	0835	1.7	0.00	0940	1.5	0.00
0735	2.0	0.00	0840	1.7	0.00	0945	1.5	0.00
0740	2.0	0.00	0845	1.7	0.00	0950	1.5	0.00
0745	2.0	0.00	0850	1.7	0.00	0955	1.5	0.00
0750	1.7	0.00	0855	1.7	0.00	1000	1.5	0.00
0755	1.7	0.00	0900	1.7	0.00			
0800	1.7	0.00	0905	1.7	0.00			

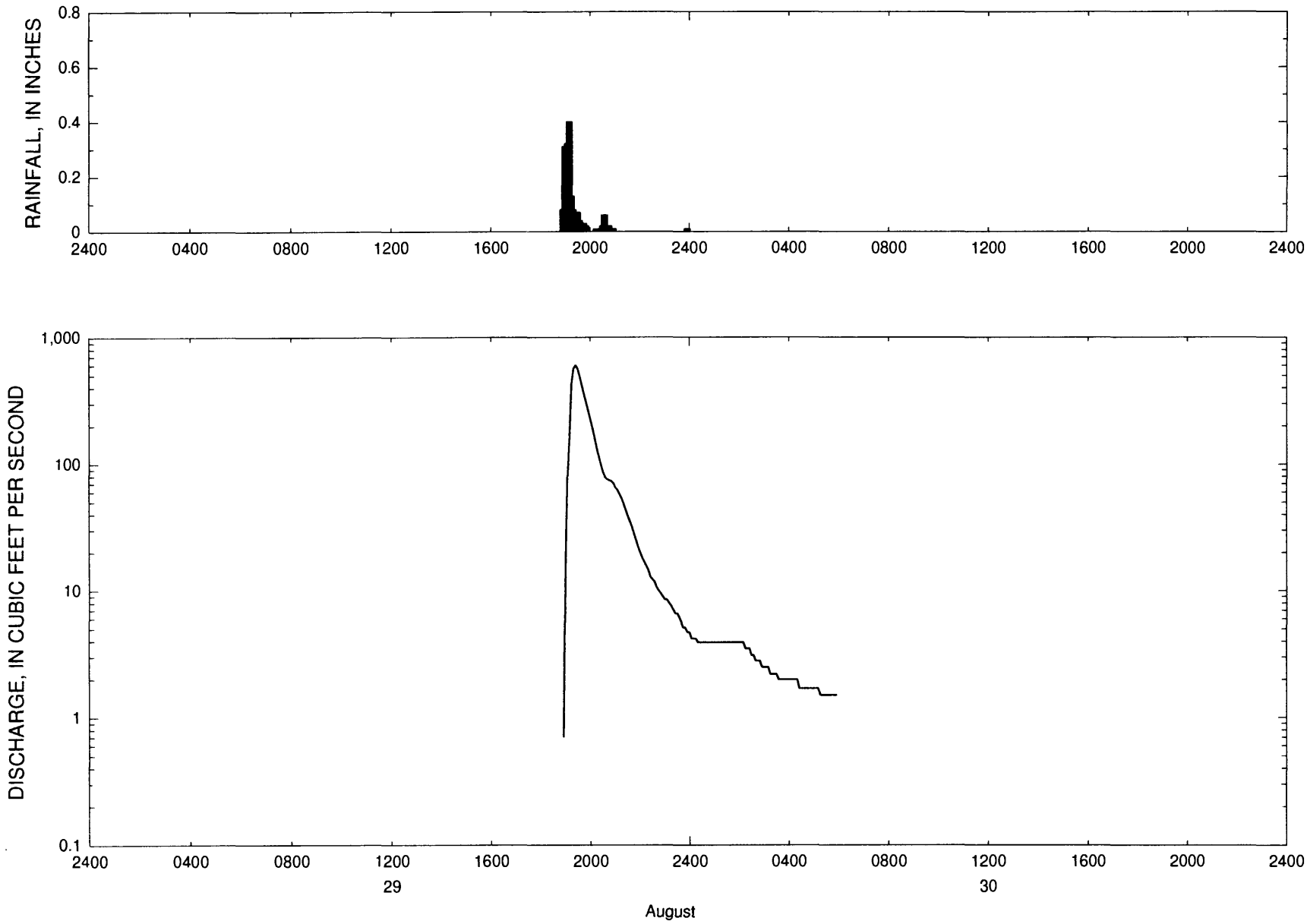


Figure 12.--Streamflow and rainfall at station 02131130, Gully Branch at Florence, August 29-30, 1987.

Table 11.--Streamflow and rainfall at station 02131130, Gully Branch at Florence, August 29-30, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 29, 1987			2240	10.6	0.00	0225	3.5	0.00
1855	0.7	0.08	2245	10.0	0.00	0230	3.1	0.00
1900	15.1	0.31	2250	9.5	0.00	0235	3.1	0.00
1905	82.7	0.32	2255	9.0	0.00	0240	2.8	0.00
1910	166.0	0.40	2300	8.5	0.00	0245	2.8	0.00
1915	428.0	0.13	2305	8.5	0.00	0250	2.8	0.00
1920	568.0	0.08	2310	8.0	0.00	0255	2.5	0.00
1925	604.0	0.06	2315	7.6	0.00	0300	2.5	0.00
1930	566.0	0.07	2320	7.1	0.00	0305	2.5	0.00
1935	493.0	0.04	2325	6.6	0.00	0310	2.5	0.00
1940	422.0	0.01	2330	6.6	0.00	0315	2.2	0.00
1945	359.0	0.03	2335	6.1	0.00	0320	2.2	0.00
1950	308.0	0.02	2340	5.6	0.00	0325	2.2	0.00
1955	265.0	0.00	2345	5.1	0.00	0330	2.2	0.00
2000	228.0	0.00	2350	5.1	0.00	0335	2.0	0.00
2005	194.0	0.00	2355	4.7	0.01	0340	2.0	0.00
2010	164.0	0.00	August 30, 1987			0345	2.0	0.00
2015	136.0	0.01	0000	4.7	0.00	0350	2.0	0.00
2020	115.0	0.00	0005	4.2	0.00	0355	2.0	0.00
2025	100.0	0.01	0010	4.2	0.00	0400	2.0	0.00
2030	86.9	0.02	0015	4.2	0.00	0405	2.0	0.00
2035	79.6	0.06	0020	3.9	0.00	0410	2.0	0.00
2040	76.6	0.02	0025	3.9	0.00	0415	2.0	0.00
2045	74.7	0.02	0030	3.9	0.00	0420	2.0	0.00
2050	73.7	0.01	0035	3.9	0.00	0425	1.7	0.00
2055	70.8	0.01	0040	3.9	0.00	0430	1.7	0.00
2100	65.3	0.00	0045	3.9	0.00	0435	1.7	0.00
2105	62.6	0.00	0050	3.9	0.00	0440	1.7	0.00
2110	58.2	0.00	0055	3.9	0.00	0445	1.7	0.00
2115	54.0	0.00	0100	3.9	0.00	0450	1.7	0.00
2120	49.1	0.00	0105	3.9	0.00	0455	1.7	0.00
2125	44.0	0.00	0110	3.9	0.00	0500	1.7	0.00
2130	39.3	0.00	0115	3.9	0.00	0505	1.7	0.00
2135	35.5	0.00	0120	3.9	0.00	0510	1.7	0.00
2140	32.0	0.00	0125	3.9	0.00	0515	1.5	0.00
2145	28.3	0.00	0130	3.9	0.00	0520	1.5	0.00
2150	25.2	0.00	0135	3.9	0.00	0525	1.5	0.00
2155	22.3	0.00	0140	3.9	0.00	0530	1.5	0.00
2200	20.2	0.00	0145	3.9	0.00	0535	1.5	0.00
2205	18.2	0.00	0150	3.9	0.00	0540	1.5	0.00
2210	16.9	0.00	0155	3.9	0.00	0545	1.5	0.00
2215	15.7	0.00	0200	3.9	0.00	0550	1.5	0.00
2220	14.5	0.00	0205	3.9	0.00	0555	1.5	0.00
2225	12.8	0.00	0210	3.9	0.00	0600	1.5	0.00
2230	12.3	0.00	0215	3.5	0.00			
2235	11.7	0.00	0220	3.5	0.00			

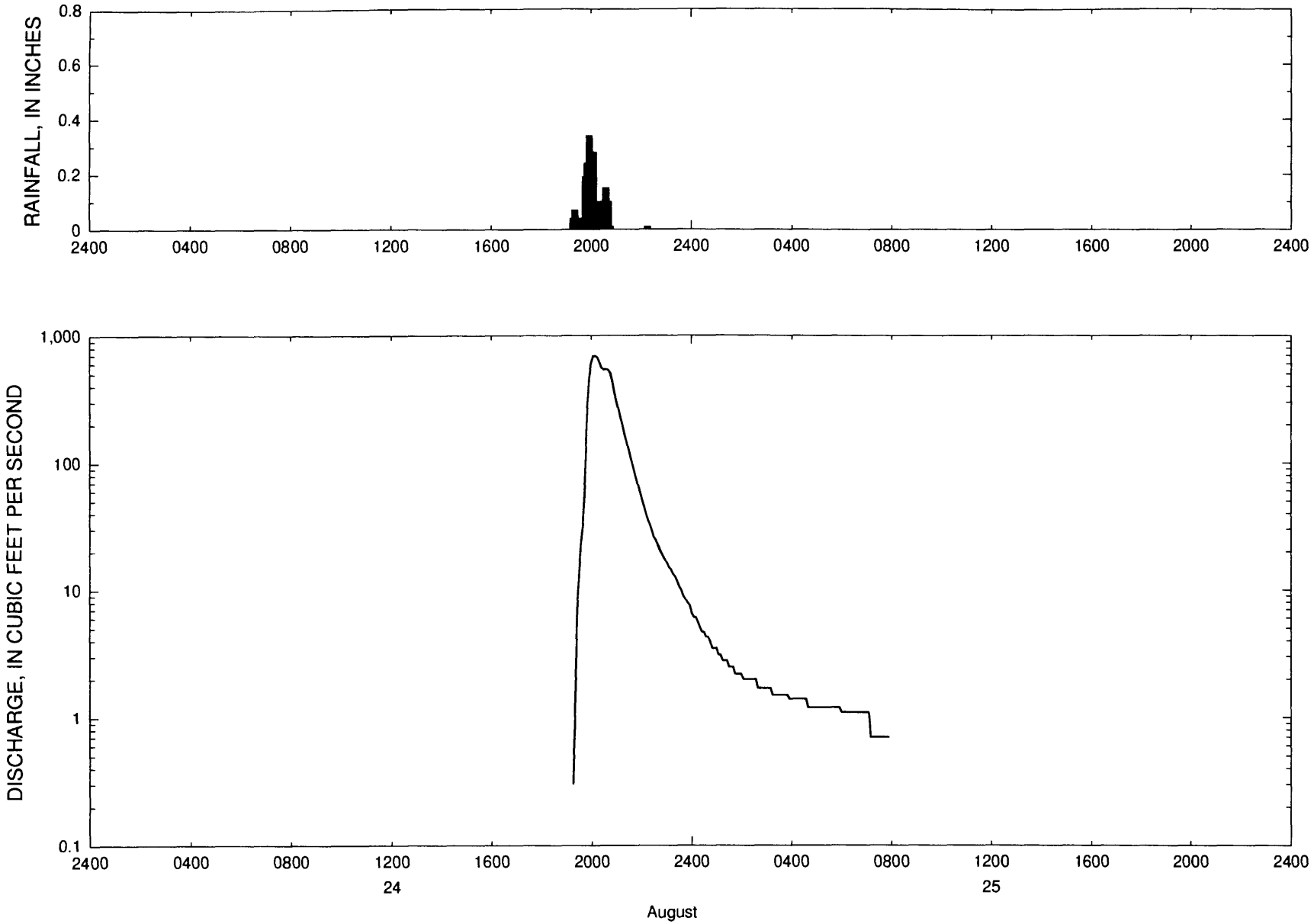


Figure 13.--Streamflow and rainfall at station 02131130, Gully Branch at Florence, August 24-25, 1988.

Table 12.--Streamflow and rainfall at station 02131130, Gully Branch at Florence, August 24-25, 1988

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 24, 1988			2330	10.6	0.00	0345	1.5	0.00
1915	0.3	0.04	2335	10.0	0.00	0350	1.5	0.00
1920	1.2	0.07	2340	9.0	0.00	0355	1.4	0.00
1925	7.1	0.03	2345	8.5	0.00	0400	1.4	0.00
1930	13.4	0.04	2350	8.0	0.00	0405	1.4	0.00
1935	23.7	0.04	2355	7.6	0.00	0410	1.4	0.00
1940	33.4	0.04	August 25, 1988			0415	1.4	0.00
1945	73.7	0.19	0000	6.6	0.00	0420	1.4	0.00
1950	258.0	0.24	0005	6.1	0.00	0425	1.4	0.00
1955	458.0	0.34	0010	6.1	0.00	0430	1.4	0.00
2000	610.0	0.19	0015	5.6	0.00	0435	1.4	0.00
2005	692.0	0.28	0020	5.1	0.00	0440	1.2	0.00
2010	694.0	0.09	0025	4.7	0.00	0445	1.2	0.00
2015	675.0	0.08	0030	4.7	0.00	0450	1.2	0.00
2020	618.0	0.10	0035	4.3	0.00	0455	1.2	0.00
2025	561.0	0.01	0040	4.3	0.00	0500	1.2	0.00
2030	538.0	0.09	0045	3.9	0.00	0505	1.2	0.00
2035	547.0	0.15	0050	3.5	0.00	0510	1.2	0.00
2040	541.0	0.10	0055	3.5	0.00	0515	1.2	0.00
2045	507.0	0.01	0100	3.5	0.00	0520	1.2	0.00
2050	433.0	0.00	0105	3.1	0.00	0525	1.2	0.00
2055	354.0	0.00	0110	3.1	0.00	0530	1.2	0.00
2100	300.0	0.00	0115	2.8	0.00	0535	1.2	0.00
2105	261.0	0.00	0120	2.8	0.00	0540	1.2	0.00
2110	225.0	0.00	0125	2.8	0.00	0545	1.2	0.00
2115	196.0	0.00	0130	2.5	0.00	0550	1.2	0.00
2120	166.0	0.00	0135	2.5	0.00	0555	1.2	0.00
2125	145.0	0.00	0140	2.5	0.00	0600	1.1	0.00
2130	125.0	0.00	0145	2.2	0.00	0605	1.1	0.00
2135	107.0	0.00	0150	2.2	0.00	0610	1.1	0.00
2140	93.3	0.00	0155	2.2	0.00	0615	1.1	0.00
2145	80.6	0.00	0200	2.2	0.00	0620	1.1	0.00
2150	70.8	0.00	0205	2.0	0.00	0625	1.1	0.00
2155	61.7	0.00	0210	2.0	0.00	0630	1.1	0.00
2200	53.2	0.00	0215	2.0	0.00	0635	1.1	0.00
2205	46.5	0.00	0220	2.0	0.00	0640	1.1	0.00
2210	40.8	0.00	0225	2.0	0.00	0645	1.1	0.00
2215	36.3	0.01	0230	2.0	0.00	0650	1.1	0.00
2220	32.7	0.00	0235	2.0	0.00	0655	1.1	0.00
2225	29.2	0.00	0240	1.7	0.00	0700	1.1	0.00
2230	26.0	0.00	0245	1.7	0.00	0705	1.1	0.00
2235	24.5	0.00	0250	1.7	0.00	0710	0.7	0.00
2240	22.3	0.00	0255	1.7	0.00	0715	0.7	0.00
2245	20.2	0.00	0300	1.7	0.00	0720	0.7	0.00
2250	18.8	0.00	0305	1.7	0.00	0725	0.7	0.00
2255	17.5	0.00	0310	1.7	0.00	0730	0.7	0.00
2300	16.3	0.00	0315	1.5	0.00	0735	0.7	0.00
2305	15.1	0.00	0320	1.5	0.00	0740	0.7	0.00
2310	14.5	0.00	0325	1.5	0.00	0745	0.7	0.00
2315	13.4	0.00	0330	1.5	0.00	0750	0.7	0.00
2320	12.8	0.00	0335	1.5	0.00	0755	0.7	0.00
2325	11.7	0.00	0340	1.5	0.00	0800	0.7	0.00

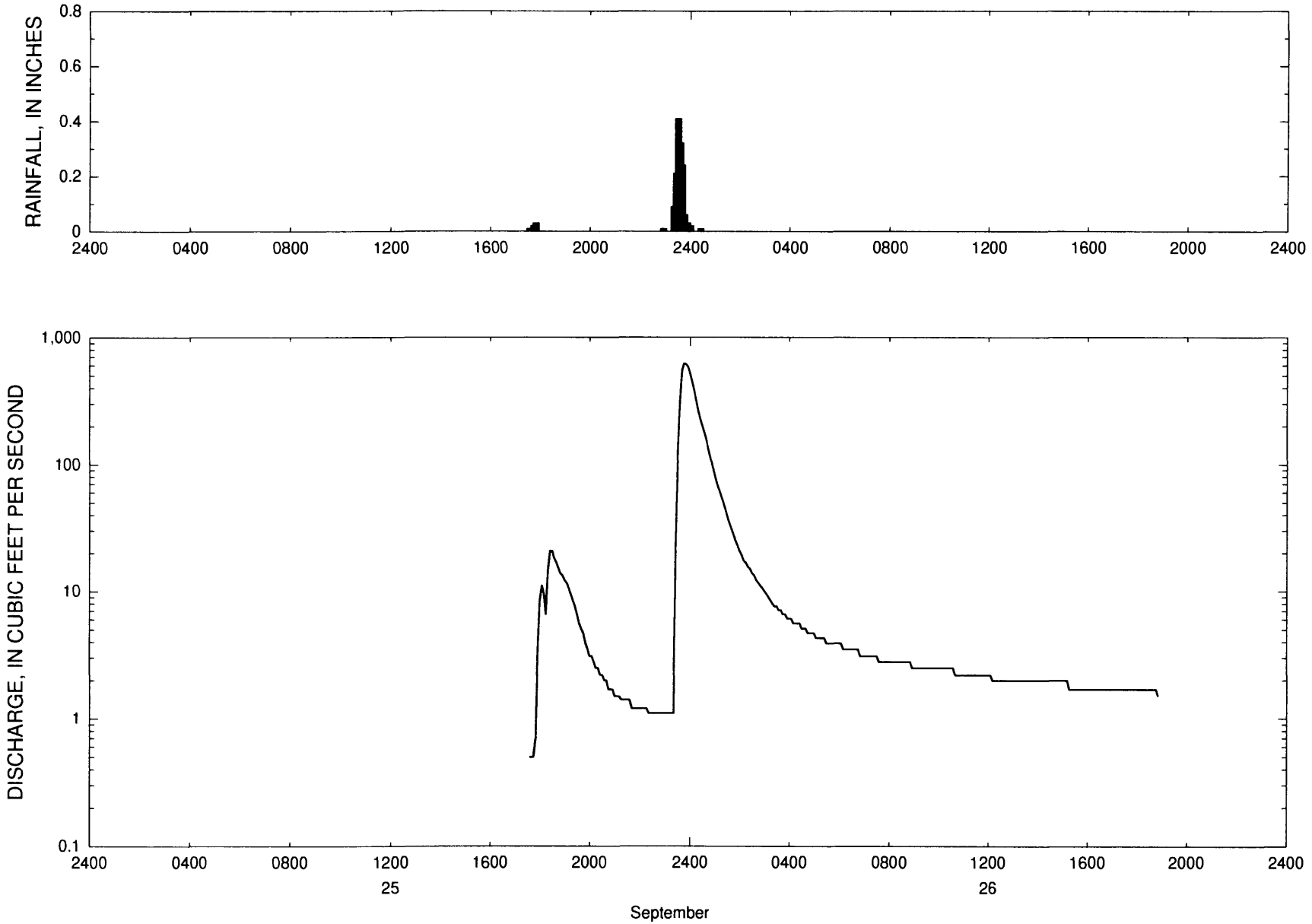


Figure 14.--Streamflow and rainfall at station 02131130, Gully Branch at Florence, September 25-26, 1988.

Table 13.--Streamflow and rainfall at station 02131130, Gully Branch at Florence, September 25-26, 1988

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 25, 1988			2255	1.1	0.01	0415	5.6	0.00
1735	0.5	0.01	2300	1.1	0.00	0420	5.6	0.00
1740	0.5	0.01	2305	1.1	0.00	0425	5.6	0.00
1745	0.5	0.02	2310	1.1	0.00	0430	5.1	0.00
1750	0.7	0.03	2315	1.1	0.00	0435	5.1	0.00
1755	3.5	0.00	2320	1.1	0.09	0440	5.1	0.00
1800	8.5	0.00	2325	24.5	0.21	0445	4.7	0.00
1805	11.1	0.00	2330	113.0	0.41	0450	4.7	0.00
1810	9.5	0.00	2335	298.0	0.32	0455	4.7	0.00
1815	6.6	0.00	2340	549.0	0.24	0500	4.7	0.00
1820	14.5	0.00	2345	624.0	0.06	0505	4.3	0.00
1825	20.9	0.00	2350	618.0	0.03	0510	4.3	0.00
1830	20.9	0.00	2355	582.0	0.00	0515	4.3	0.00
1835	18.2	0.00	September 26, 1988			0520	4.3	0.00
1840	16.9	0.00	0000	515.0	0.02	0525	4.3	0.00
1845	15.3	0.00	0005	442.0	0.00	0530	3.9	0.00
1850	13.9	0.00	0010	379.0	0.00	0535	3.9	0.00
1855	13.4	0.00	0015	317.0	0.00	0540	3.9	0.00
1900	12.3	0.00	0020	261.0	0.00	0545	3.9	0.00
1905	11.7	0.00	0025	226.0	0.01	0550	3.9	0.00
1910	10.6	0.00	0030	200.0	0.00	0555	3.9	0.00
1915	9.5	0.00	0035	177.0	0.00	0600	3.9	0.00
1920	8.5	0.00	0040	155.0	0.00	0605	3.9	0.00
1925	7.6	0.00	0045	130.0	0.00	0610	3.5	0.00
1930	6.6	0.00	0050	112.0	0.00	0615	3.5	0.00
1935	5.6	0.00	0055	95.5	0.00	0620	3.5	0.00
1940	5.1	0.00	0100	81.7	0.00	0625	3.5	0.00
1945	4.7	0.00	0105	70.8	0.00	0630	3.5	0.00
1950	3.9	0.00	0110	63.5	0.00	0635	3.5	0.00
1955	3.5	0.00	0115	56.5	0.00	0640	3.5	0.00
2000	3.1	0.00	0120	50.8	0.00	0645	3.5	0.00
2005	3.1	0.00	0125	44.9	0.00	0650	3.1	0.00
2010	2.8	0.00	0130	39.3	0.00	0655	3.1	0.00
2015	2.5	0.00	0135	34.8	0.00	0700	3.1	0.00
2020	2.5	0.00	0140	31.3	0.00	0705	3.1	0.00
2025	2.2	0.00	0145	28.3	0.00	0710	3.1	0.00
2030	2.2	0.00	0150	25.2	0.00	0715	3.1	0.00
2035	2.0	0.00	0155	23.0	0.00	0720	3.1	0.00
2040	2.0	0.00	0200	20.9	0.00	0725	3.1	0.00
2045	1.7	0.00	0205	19.5	0.00	0730	3.1	0.00
2050	1.7	0.00	0210	17.5	0.00	0735	2.8	0.00
2055	1.7	0.00	0215	16.9	0.00	0740	2.8	0.00
2100	1.5	0.00	0220	15.7	0.00	0745	2.8	0.00
2105	1.5	0.00	0225	15.1	0.00	0750	2.8	0.00
2110	1.5	0.00	0230	13.9	0.00	0755	2.8	0.00
2115	1.4	0.00	0235	13.4	0.00	0800	2.8	0.00
2120	1.4	0.00	0240	12.3	0.00	0805	2.8	0.00
2125	1.4	0.00	0245	11.7	0.00	0810	2.8	0.00
2130	1.4	0.00	0250	11.1	0.00	0815	2.8	0.00
2135	1.4	0.00	0255	10.6	0.00	0820	2.8	0.00
2140	1.2	0.00	0300	10.0	0.00	0825	2.8	0.00
2145	1.2	0.00	0305	9.5	0.00	0830	2.8	0.00
2150	1.2	0.00	0310	9.0	0.00	0835	2.8	0.00
2155	1.2	0.00	0315	8.5	0.00	0840	2.8	0.00
2200	1.2	0.00	0320	8.0	0.00	0845	2.8	0.00
2205	1.2	0.00	0325	7.6	0.00	0850	2.8	0.00
2210	1.2	0.00	0330	7.6	0.00	0855	2.5	0.00
2215	1.2	0.00	0335	7.1	0.00	0900	2.5	0.00
2220	1.1	0.00	0340	7.1	0.00	0905	2.5	0.00
2225	1.1	0.00	0345	6.6	0.00	0910	2.5	0.00
2230	1.1	0.00	0350	6.6	0.00	0915	2.5	0.00
2235	1.1	0.00	0355	6.1	0.00	0920	2.5	0.00
2240	1.1	0.00	0400	6.1	0.00	0925	2.5	0.00
2245	1.1	0.00	0405	6.1	0.00	0930	2.5	0.00
2250	1.1	0.00	0410	5.6	0.00	0935	2.5	0.00

Table 13.--Streamflow and rainfall at station 02131130, Gully Branch at Florence, September 25-26, 1988--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
0940	2.5	0.00	1250	2.0	0.00	1600	1.7	0.00
0945	2.5	0.00	1255	2.0	0.00	1605	1.7	0.00
0950	2.5	0.00	1300	2.0	0.00	1610	1.7	0.00
0955	2.5	0.00	1305	2.0	0.00	1615	1.7	0.00
1000	2.5	0.00	1310	2.0	0.00	1620	1.7	0.00
1005	2.5	0.00	1315	2.0	0.00	1625	1.7	0.00
1010	2.5	0.00	1320	2.0	0.00	1630	1.7	0.00
1015	2.5	0.00	1325	2.0	0.00	1635	1.7	0.00
1020	2.5	0.00	1330	2.0	0.00	1640	1.7	0.00
1025	2.5	0.00	1335	2.0	0.00	1645	1.7	0.00
1030	2.5	0.00	1340	2.0	0.00	1650	1.7	0.00
1035	2.5	0.00	1345	2.0	0.00	1655	1.7	0.00
1040	2.2	0.00	1350	2.0	0.00	1700	1.7	0.00
1045	2.2	0.00	1355	2.0	0.00	1705	1.7	0.00
1050	2.2	0.00	1400	2.0	0.00	1710	1.7	0.00
1055	2.2	0.00	1405	2.0	0.00	1715	1.7	0.00
1100	2.2	0.00	1410	2.0	0.00	1720	1.7	0.00
1105	2.2	0.00	1415	2.0	0.00	1725	1.7	0.00
1110	2.2	0.00	1420	2.0	0.00	1730	1.7	0.00
1115	2.2	0.00	1425	2.0	0.00	1735	1.7	0.00
1120	2.2	0.00	1430	2.0	0.00	1740	1.7	0.00
1125	2.2	0.00	1435	2.0	0.00	1745	1.7	0.00
1130	2.2	0.00	1440	2.0	0.00	1750	1.7	0.00
1135	2.2	0.00	1445	2.0	0.00	1755	1.7	0.00
1140	2.2	0.00	1450	2.0	0.00	1800	1.7	0.00
1145	2.2	0.00	1455	2.0	0.00	1805	1.7	0.00
1150	2.2	0.00	1500	2.0	0.00	1810	1.7	0.00
1155	2.2	0.00	1505	2.0	0.00	1815	1.7	0.00
1200	2.2	0.00	1510	2.0	0.00	1820	1.7	0.00
1205	2.2	0.00	1515	1.7	0.00	1825	1.7	0.00
1210	2.0	0.00	1520	1.7	0.00	1830	1.7	0.00
1215	2.0	0.00	1525	1.7	0.00	1835	1.7	0.00
1220	2.0	0.00	1530	1.7	0.00	1840	1.7	0.00
1225	2.0	0.00	1535	1.7	0.00	1845	1.7	0.00
1230	2.0	0.00	1540	1.7	0.00	1850	1.5	0.00
1235	2.0	0.00	1545	1.7	0.00	1855	1.5	0.00
1240	2.0	0.00	1550	1.7	0.00	1900	1.5	0.00
1245	2.0	0.00	1555	1.7	0.00			

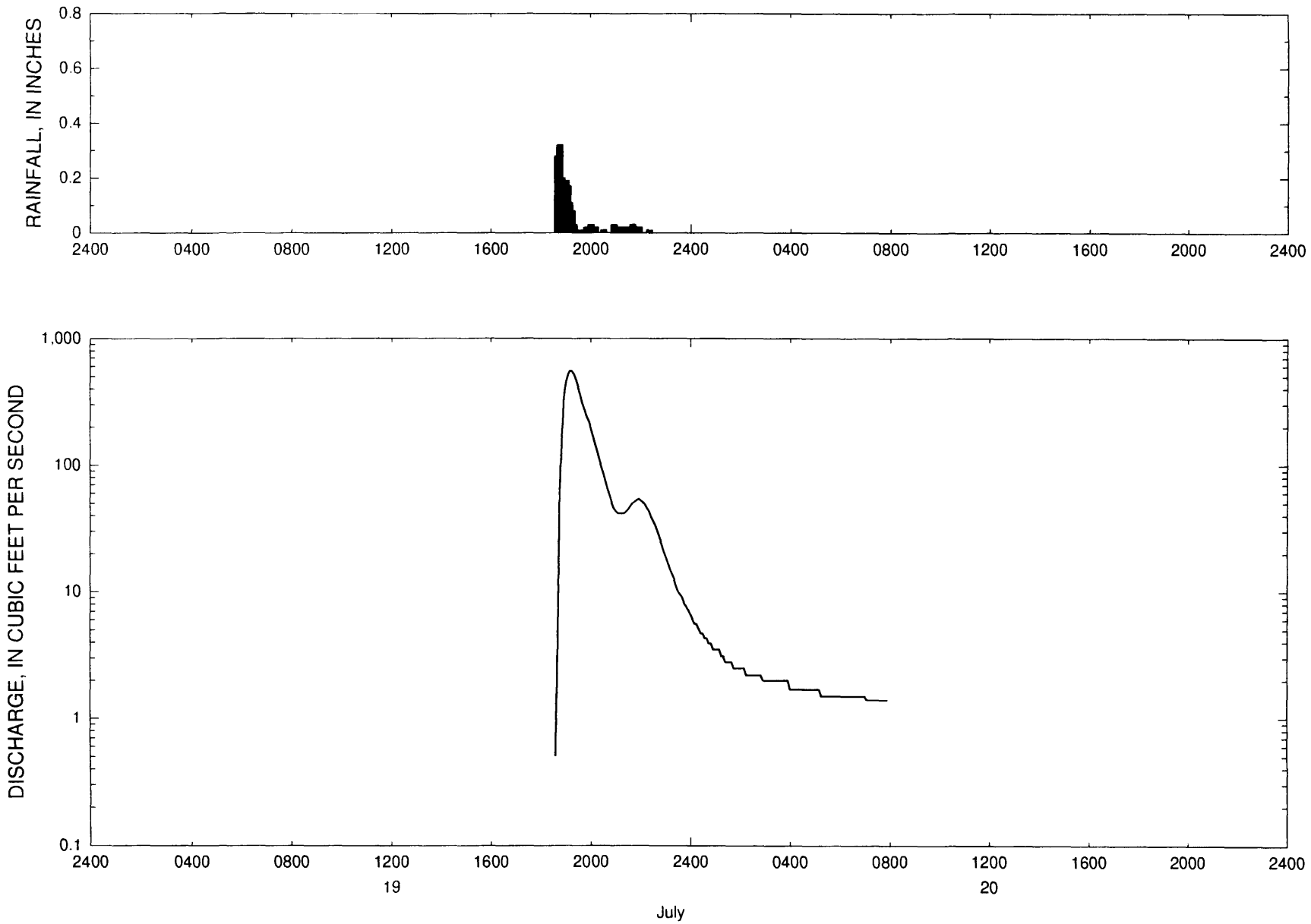


Figure 15.--Streamflow and rainfall at station 02131130, Gully Branch at Florence, July 19-20, 1989.

Table 14.--Streamflow and rainfall at station 02131130, Gully Branch at Florence, July 19-20, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 19, 1989			2305	16.9	0.00	0335	2.0	0.00
1835	0.5	0.00	2310	15.1	0.00	0340	2.0	0.00
1840	3.5	0.28	2315	13.9	0.00	0345	2.0	0.00
1845	62.6	0.32	2320	12.8	0.00	0350	2.0	0.00
1850	148.0	0.20	2325	11.1	0.00	0355	2.0	0.00
1855	322.0	0.19	2330	10.0	0.00	0400	1.7	0.00
1900	452.0	0.19	2335	9.5	0.00	0405	1.7	0.00
1905	515.0	0.17	2340	9.0	0.00	0410	1.7	0.00
1910	555.0	0.11	2345	8.0	0.00	0415	1.7	0.00
1915	551.0	0.08	2350	7.6	0.00	0420	1.7	0.00
1920	519.0	0.03	2355	7.1	0.00	0425	1.7	0.00
1925	467.0	0.00	July 20, 1989			0430	1.7	0.00
1930	409.0	0.01	0000	6.6	0.00	0435	1.7	0.00
1935	358.0	0.01	0005	6.1	0.00	0440	1.7	0.00
1940	306.0	0.01	0010	5.6	0.00	0445	1.7	0.00
1945	274.0	0.01	0015	5.6	0.00	0450	1.7	0.00
1950	242.0	0.02	0020	5.1	0.00	0455	1.7	0.00
1955	222.0	0.00	0025	4.7	0.00	0500	1.7	0.00
2000	197.0	0.03	0030	4.7	0.00	0505	1.7	0.00
2005	171.0	0.00	0035	4.3	0.00	0510	1.7	0.00
2010	147.0	0.02	0040	4.3	0.00	0515	1.5	0.00
2015	128.0	0.00	0045	3.9	0.00	0520	1.5	0.00
2020	110.0	0.00	0050	3.9	0.00	0525	1.5	0.00
2025	96.6	0.00	0055	3.5	0.00	0530	1.5	0.00
2030	84.8	0.01	0100	3.5	0.00	0535	1.5	0.00
2035	73.7	0.00	0105	3.5	0.00	0540	1.5	0.00
2040	64.4	0.00	0110	3.5	0.00	0545	1.5	0.00
2045	57.4	0.00	0115	3.1	0.00	0550	1.5	0.00
2050	50.8	0.00	0120	3.1	0.00	0555	1.5	0.00
2055	45.7	0.03	0125	2.8	0.00	0600	1.5	0.00
2100	43.2	0.02	0130	2.8	0.00	0605	1.5	0.00
2105	41.6	0.00	0135	2.8	0.00	0610	1.5	0.00
2110	41.6	0.02	0140	2.8	0.00	0615	1.5	0.00
2115	41.6	0.01	0145	2.5	0.00	0620	1.5	0.00
2120	41.6	0.02	0150	2.5	0.00	0625	1.5	0.00
2125	43.2	0.01	0155	2.5	0.00	0630	1.5	0.00
2130	44.9	0.00	0200	2.5	0.00	0635	1.5	0.00
2135	47.4	0.02	0205	2.5	0.00	0640	1.5	0.00
2140	50.0	0.03	0210	2.5	0.00	0645	1.5	0.00
2145	51.6	0.01	0215	2.2	0.00	0650	1.5	0.00
2150	53.2	0.00	0220	2.2	0.00	0655	1.5	0.00
2155	54.0	0.02	0225	2.2	0.00	0700	1.5	0.00
2200	52.4	0.00	0230	2.2	0.00	0705	1.4	0.00
2205	50.8	0.00	0235	2.2	0.00	0710	1.4	0.00
2210	49.1	0.00	0240	2.2	0.00	0715	1.4	0.00
2215	45.7	0.00	0245	2.2	0.00	0720	1.4	0.00
2220	43.2	0.01	0250	2.2	0.00	0725	1.4	0.00
2225	39.2	0.00	0255	2.0	0.00	0730	1.4	0.00
2230	36.3	0.00	0300	2.0	0.00	0735	1.4	0.00
2235	33.4	0.00	0305	2.0	0.00	0740	1.4	0.00
2240	30.0	0.00	0310	2.0	0.00	0745	1.4	0.00
2245	26.7	0.00	0315	2.0	0.00	0750	1.4	0.00
2250	23.7	0.00	0320	2.0	0.00	0755	1.4	0.00
2255	20.9	0.00	0325	2.0	0.00	0800	1.4	0.00
2300	18.8	0.00	0330	2.0	0.00			

Station 02135518, Turkey Creek at Sumter, S.C.

Location.--Lat 33°55'13", long 80°19'43", Sumter County Hydrologic Unit 03040205, at culvert on East Liberty Street (U.S. Highway 76), 0.65 mi east of Sumter City Hall, and 4.0 mi upstream from the mouth at the Pocotaligo River.

Period of record.-- November 8, 1985 to November 16, 1990.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to the headwall at the center web of the double 10 ft by 8.1 ft concrete box culvert. A sealed intake pipe extends 20 ft upstream to a separate stilling basin (sand trap) with a removable lid. One crest-stage indicator is located opposite the recording gage intake on the upstream left bank. A second crest-stage indicator is located on the left downstream wingwall.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 286 ft^3/s. The stage-streamflow relation was extended to 660 ft^3/s graphically on logarithmic paper.

Rain gage and location.--Station 335513080194300, lat 33°55'13", long 80°19'43". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval attached to the left upstream wingwall at the East Liberty Street (U.S. Highway 76) crossing of Turkey Creek, 0.65 mi east of Sumter City Hall.

Selected basin characteristics.--

Drainage area -- 2.20 mi^2
Physiographic province -- Lower Coastal Plain
Channel slope -- 20.2 ft/mi
Channel length -- 1.79 mi
Total impervious area -- 25.0 percent
Basin development factor -- 8
2-year, 2-hour rainfall amount -- 2.19 in.

Flood frequency data:	UQ_2	334 ft^3/s
	UQ_5	595 ft^3/s
	UQ_{10}	792 ft^3/s
	UQ_{25}	1,060 ft^3/s
	UQ_{50}	1,270 ft^3/s
	UQ_{100}	1,490 ft^3/s
	UQ_{500}	2,020 ft^3/s

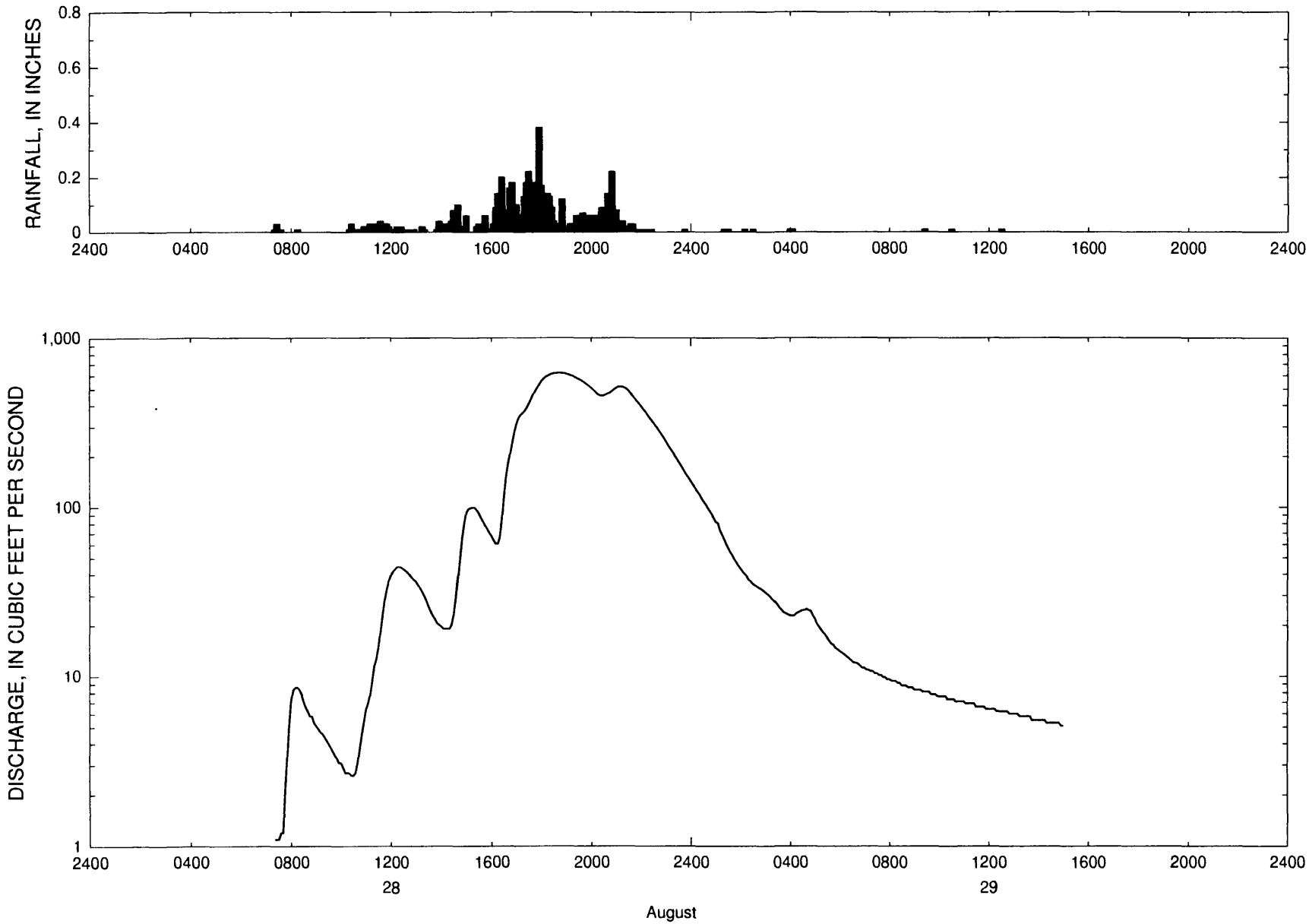


Figure 16.--Streamflow and rainfall at station 02135518, Turkey Creek at Sumter, August 28-29, 1988.

Table 15.--Streamflow and rainfall at station 02135518, Turkey Creek at Sumter, August 28-29, 1988

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 28, 1988			1240	40.9	0.01	1805	576.0	0.08
0720	1.1	0.01	1245	39.7	0.00	1810	591.0	0.03
0725	1.1	0.03	1250	38.4	0.01	1815	599.0	0.14
0730	1.1	0.01	1255	37.2	0.01	1820	608.0	0.13
0735	1.2	0.01	1300	36.4	0.00	1825	616.0	0.09
0740	1.2	0.00	1305	34.8	0.00	1830	620.0	0.04
0745	2.1	0.00	1310	33.3	0.00	1835	621.0	0.03
0750	3.3	0.00	1315	31.7	0.02	1840	623.0	0.01
0755	5.1	0.00	1320	29.9	0.01	1845	623.0	0.00
0800	7.1	0.00	1325	28.0	0.00	1850	621.0	0.12
0805	8.3	0.00	1330	25.9	0.00	1855	620.0	0.01
0810	8.6	0.00	1335	24.2	0.00	1900	615.0	0.02
0815	8.6	0.01	1340	22.8	0.00	1905	609.0	0.02
0820	8.3	0.00	1345	21.8	0.00	1910	603.0	0.03
0825	7.8	0.00	1350	20.7	0.01	1915	597.0	0.01
0830	7.1	0.00	1355	20.1	0.04	1920	591.0	0.00
0835	6.6	0.00	1400	19.7	0.00	1925	580.0	0.06
0840	6.2	0.00	1405	19.1	0.00	1930	572.0	0.01
0845	5.8	0.00	1410	19.1	0.03	1935	564.0	0.02
0850	5.8	0.00	1415	19.1	0.01	1940	554.0	0.07
0855	5.3	0.00	1420	19.1	0.01	1945	543.0	0.03
0900	5.1	0.00	1425	20.1	0.04	1950	532.0	0.06
0905	4.9	0.00	1430	23.1	0.08	1955	520.0	0.03
0910	4.7	0.00	1435	28.4	0.07	2000	507.0	0.03
0915	4.6	0.00	1440	37.6	0.10	2005	493.0	0.06
0920	4.4	0.00	1445	49.8	0.02	2010	479.0	0.03
0925	4.2	0.00	1450	65.4	0.02	2015	468.0	0.04
0930	4.0	0.00	1455	80.5	0.00	2020	460.0	0.06
0935	3.8	0.00	1500	93.3	0.06	2025	458.0	0.09
0940	3.6	0.00	1505	97.6	0.00	2030	459.0	0.06
0945	3.4	0.00	1510	98.8	0.00	2035	465.0	0.02
0950	3.3	0.00	1515	99.4	0.00	2040	471.0	0.14
0955	3.1	0.00	1520	99.4	0.00	2045	479.0	0.08
1000	3.1	0.00	1525	95.7	0.02	2050	490.0	0.22
1005	2.9	0.00	1530	91.5	0.03	2055	500.0	0.00
1010	2.7	0.00	1535	86.8	0.00	2100	510.0	0.08
1015	2.7	0.00	1540	82.2	0.00	2105	516.0	0.02
1020	2.7	0.01	1545	77.7	0.06	2110	517.0	0.00
1025	2.6	0.03	1550	74.4	0.00	2115	516.0	0.04
1030	2.6	0.00	1555	70.6	0.00	2120	510.0	0.02
1035	2.7	0.01	1600	67.5	0.01	2125	501.0	0.01
1040	3.1	0.00	1605	63.8	0.03	2130	486.0	0.02
1045	3.8	0.00	1610	60.8	0.09	2135	471.0	0.03
1050	4.6	0.01	1615	60.8	0.14	2140	454.0	0.03
1055	5.5	0.02	1620	66.4	0.08	2145	440.0	0.01
1100	6.4	0.01	1625	83.9	0.20	2150	426.0	0.00
1105	6.9	0.02	1630	115.0	0.02	2155	412.0	0.01
1110	7.8	0.03	1635	149.0	0.04	2200	398.0	0.01
1115	9.4	0.02	1640	180.0	0.08	2205	383.0	0.00
1120	11.5	0.01	1645	208.0	0.16	2210	369.0	0.00
1125	12.6	0.03	1650	242.0	0.18	2215	354.0	0.01
1130	14.7	0.03	1655	279.0	0.02	2220	340.0	0.00
1135	18.1	0.04	1700	311.0	0.10	2225	328.0	0.01
1140	22.8	0.02	1705	335.0	0.02	2230	315.0	0.00
1145	27.7	0.01	1710	351.0	0.02	2235	303.0	0.00
1150	32.1	0.03	1715	361.0	0.06	2240	291.0	0.00
1155	36.0	0.02	1720	371.0	0.13	2245	278.0	0.00
1200	39.3	0.01	1725	387.0	0.18	2250	267.0	0.00
1205	41.8	0.01	1730	409.0	0.22	2255	256.0	0.00
1210	43.1	0.01	1735	435.0	0.10	2300	244.0	0.00
1215	44.4	0.02	1740	464.0	0.18	2305	233.0	0.00
1220	44.4	0.00	1745	488.0	0.10	2310	223.0	0.00
1225	44.0	0.02	1750	511.0	0.00	2315	214.0	0.00
1230	43.1	0.01	1755	532.0	0.38	2320	204.0	0.00
1235	42.2	0.01	1800	558.0	0.17	2325	195.0	0.00

Table 15.--Streamflow and rainfall at station 02135518, Turkey Creek at Sumter, August 28-29, 1988--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
2330	186.0	0.00	0440	24.9	0.00	0955	7.6	0.00
2335	178.0	0.00	0445	24.5	0.00	1000	7.6	0.00
2340	170.0	0.00	0450	24.2	0.00	1005	7.6	0.00
2345	162.0	0.01	0455	22.8	0.00	1010	7.6	0.00
2350	155.0	0.00	0500	21.8	0.00	1015	7.6	0.00
2355	149.0	0.00	0505	20.4	0.00	1020	7.3	0.00
August 29, 1988			0510	19.7	0.00	1025	7.3	0.00
0000	142.0	0.00	0515	18.8	0.00	1030	7.3	0.01
0005	136.0	0.00	0520	18.1	0.00	1035	7.3	0.00
0010	130.0	0.00	0525	17.5	0.00	1040	7.1	0.00
0015	124.0	0.00	0530	16.8	0.00	1045	7.1	0.00
0020	119.0	0.00	0535	16.2	0.00	1050	7.1	0.00
0025	113.0	0.00	0540	15.6	0.00	1055	7.1	0.00
0030	108.0	0.00	0545	15.3	0.00	1100	7.1	0.00
0035	104.0	0.00	0550	14.7	0.00	1105	6.9	0.00
0040	98.8	0.00	0555	14.4	0.00	1110	6.9	0.00
0045	94.5	0.00	0600	14.1	0.00	1115	6.9	0.00
0050	90.3	0.00	0605	13.8	0.00	1120	6.9	0.00
0055	86.2	0.00	0610	13.5	0.00	1125	6.9	0.00
0100	81.6	0.00	0615	13.2	0.00	1130	6.6	0.00
0105	80.5	0.00	0620	12.9	0.00	1135	6.6	0.00
0110	72.8	0.00	0625	12.6	0.00	1140	6.6	0.00
0115	68.5	0.00	0630	12.3	0.00	1145	6.6	0.00
0120	64.4	0.01	0635	12.0	0.00	1150	6.6	0.00
0125	60.3	0.00	0640	12.0	0.00	1155	6.4	0.00
0130	56.9	0.01	0645	11.8	0.00	1200	6.4	0.00
0135	54.0	0.00	0650	11.5	0.00	1205	6.4	0.00
0140	51.6	0.00	0655	11.2	0.00	1210	6.4	0.00
0145	48.9	0.00	0700	11.2	0.00	1215	6.4	0.00
0150	47.0	0.00	0705	10.9	0.00	1220	6.2	0.00
0155	44.8	0.00	0710	10.9	0.00	1225	6.2	0.00
0200	43.1	0.00	0715	10.7	0.00	1230	6.2	0.01
0205	41.4	0.00	0720	10.7	0.00	1235	6.2	0.00
0210	40.1	0.01	0725	10.4	0.00	1240	6.2	0.00
0215	38.9	0.00	0730	10.4	0.00	1245	6.2	0.00
0220	37.2	0.00	0735	10.2	0.00	1250	6.0	0.00
0225	36.4	0.00	0740	10.2	0.00	1255	6.0	0.00
0230	35.2	0.01	0745	9.9	0.00	1300	6.0	0.00
0235	34.4	0.00	0750	9.9	0.00	1305	6.0	0.00
0240	34.0	0.00	0755	9.6	0.00	1310	6.0	0.00
0245	33.3	0.00	0800	9.6	0.00	1315	5.8	0.00
0250	32.9	0.00	0805	9.4	0.00	1320	5.8	0.00
0255	32.1	0.00	0810	9.4	0.00	1325	5.8	0.00
0300	31.3	0.00	0815	9.4	0.00	1330	5.8	0.00
0305	30.6	0.00	0820	9.1	0.00	1335	5.8	0.00
0310	29.9	0.00	0825	9.1	0.00	1340	5.8	0.00
0315	28.8	0.00	0830	8.8	0.00	1345	5.5	0.00
0320	28.0	0.00	0835	8.8	0.00	1350	5.5	0.00
0325	27.3	0.00	0840	8.8	0.00	1355	5.5	0.00
0330	26.3	0.00	0845	8.6	0.00	1400	5.5	0.00
0335	25.2	0.00	0850	8.6	0.00	1405	5.5	0.00
0340	24.5	0.00	0855	8.6	0.00	1410	5.5	0.00
0345	23.8	0.00	0900	8.3	0.00	1415	5.5	0.00
0350	23.5	0.00	0905	8.3	0.00	1420	5.3	0.00
0355	23.1	0.00	0910	8.3	0.00	1425	5.3	0.00
0400	22.8	0.01	0915	8.3	0.00	1430	5.3	0.00
0405	22.8	0.01	0920	8.1	0.00	1435	5.3	0.00
0410	22.8	0.00	0925	8.1	0.01	1440	5.3	0.00
0415	23.5	0.00	0930	8.1	0.00	1445	5.3	0.00
0420	23.8	0.00	0935	8.1	0.00	1450	5.3	0.00
0425	24.2	0.00	0940	7.8	0.00	1455	5.1	0.00
0430	24.5	0.00	0945	7.8	0.00	1500	5.1	0.00
0435	24.5	0.00	0950	7.8	0.00			

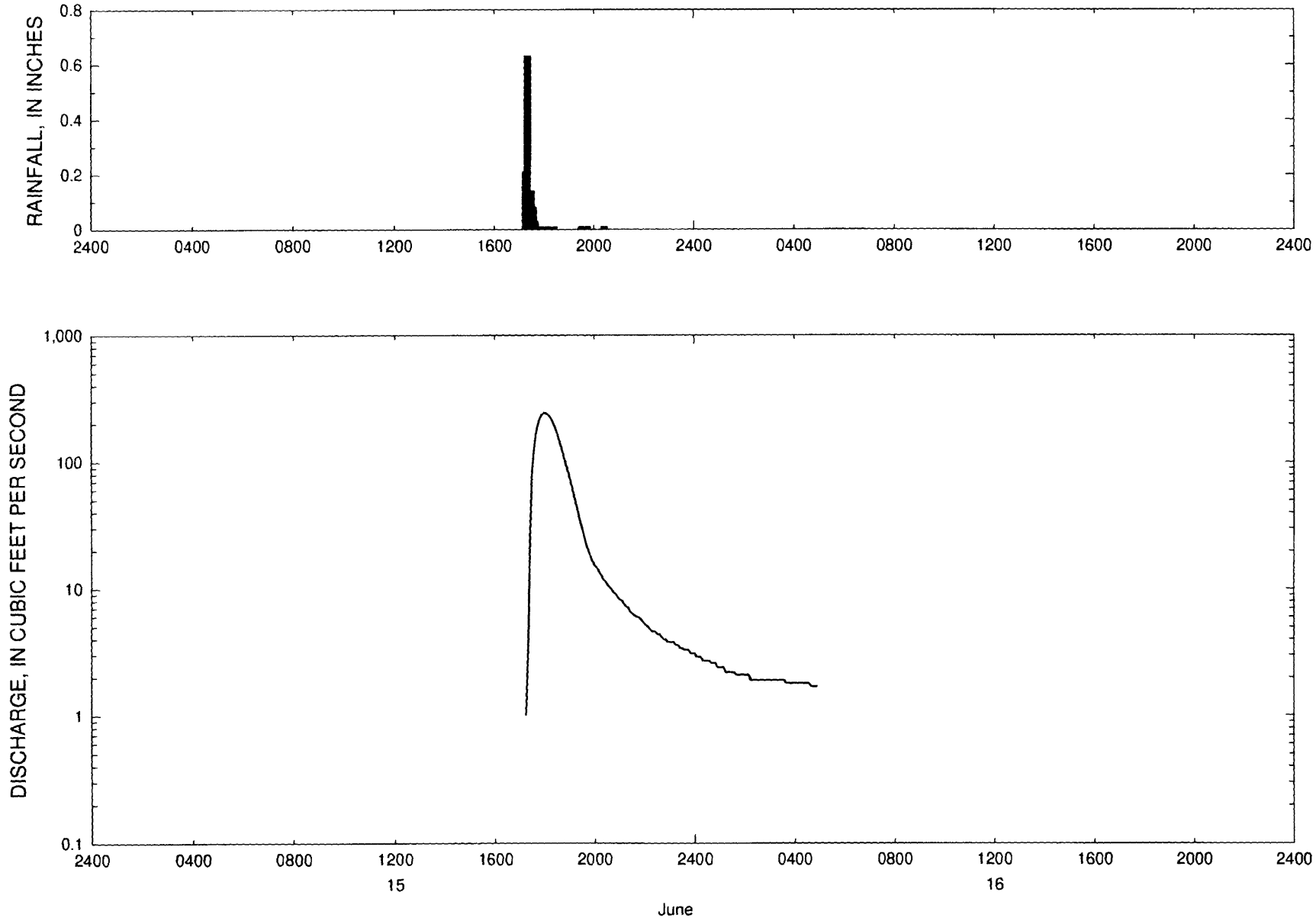


Figure 17.--Streamflow and rainfall at station 02135518, Turkey Creek at Sumter, June 15-16, 1989.

Table 16.--Streamflow and rainfall at station 02135518, Turkey Creek at Sumter, June 15-16, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 15, 1989			2115	7.3	0.00	0115	2.2	0.00
1715	1.0	0.21	2120	7.1	0.00	0120	2.2	0.00
1720	3.3	0.63	2125	6.6	0.00	0125	2.2	0.00
1725	27.0	0.02	2130	6.4	0.00	0130	2.2	0.00
1730	82.2	0.14	2135	6.2	0.00	0135	2.2	0.00
1735	125.0	0.08	2140	6.0	0.00	0140	2.1	0.00
1740	167.0	0.03	2145	6.0	0.00	0145	2.1	0.00
1745	196.0	0.00	2150	5.8	0.00	0150	2.1	0.00
1750	222.0	0.01	2155	5.5	0.00	0155	2.1	0.00
1755	237.0	0.00	2200	5.3	0.00	0200	2.1	0.00
1800	243.0	0.00	2205	5.1	0.00	0205	2.1	0.00
1805	243.0	0.01	2210	4.9	0.00	0210	2.1	0.00
1810	237.0	0.00	2215	4.7	0.00	0215	1.9	0.00
1815	226.0	0.00	2220	4.6	0.00	0220	1.9	0.00
1820	212.0	0.01	2225	4.6	0.00	0225	1.9	0.00
1825	195.0	0.01	2230	4.4	0.00	0230	1.9	0.00
1830	175.0	0.00	2235	4.4	0.00	0235	1.9	0.00
1835	155.0	0.00	2240	4.2	0.00	0240	1.9	0.00
1840	137.0	0.00	2245	4.0	0.00	0245	1.9	0.00
1845	120.0	0.00	2250	4.0	0.00	0250	1.9	0.00
1850	104.0	0.00	2255	3.8	0.00	0255	1.9	0.00
1855	90.3	0.00	2300	3.8	0.00	0300	1.9	0.00
1900	77.7	0.00	2305	3.8	0.00	0305	1.9	0.00
1905	66.4	0.00	2310	3.8	0.00	0310	1.9	0.00
1910	56.4	0.00	2315	3.6	0.00	0315	1.9	0.00
1915	47.9	0.00	2320	3.6	0.00	0320	1.9	0.00
1920	40.9	0.00	2325	3.4	0.00	0325	1.9	0.00
1925	34.4	0.00	2330	3.4	0.00	0330	1.9	0.00
1930	29.9	0.01	2335	3.3	0.00	0335	1.9	0.00
1935	25.9	0.00	2340	3.3	0.00	0340	1.8	0.00
1940	22.4	0.00	2345	3.3	0.00	0345	1.8	0.00
1945	20.1	0.01	2350	3.1	0.00	0350	1.8	0.00
1950	18.1	0.00	2355	3.1	0.00	0355	1.8	0.00
1955	16.5	0.00	June 16, 1989			0400	1.8	0.00
2000	15.3	0.00	0000	3.1	0.00	0405	1.8	0.00
2005	14.7	0.00	0005	2.9	0.00	0410	1.8	0.00
2010	13.8	0.00	0010	2.9	0.00	0415	1.8	0.00
2015	12.9	0.00	0015	2.9	0.00	0420	1.8	0.00
2020	12.0	0.00	0020	2.7	0.00	0425	1.8	0.00
2025	11.5	0.01	0025	2.7	0.00	0430	1.8	0.00
2030	10.9	0.00	0030	2.7	0.00	0435	1.8	0.00
2035	10.4	0.00	0035	2.7	0.00	0440	1.7	0.00
2040	9.9	0.00	0040	2.6	0.00	0445	1.7	0.00
2045	9.4	0.00	0045	2.6	0.00	0450	1.7	0.00
2050	9.1	0.00	0050	2.6	0.00	0455	1.7	0.00
2055	8.6	0.00	0055	2.4	0.00	0500	1.7	0.00
2100	8.3	0.00	0100	2.4	0.00			
2105	8.1	0.00	0105	2.4	0.00			
2110	7.6	0.00	0110	2.4	0.00			

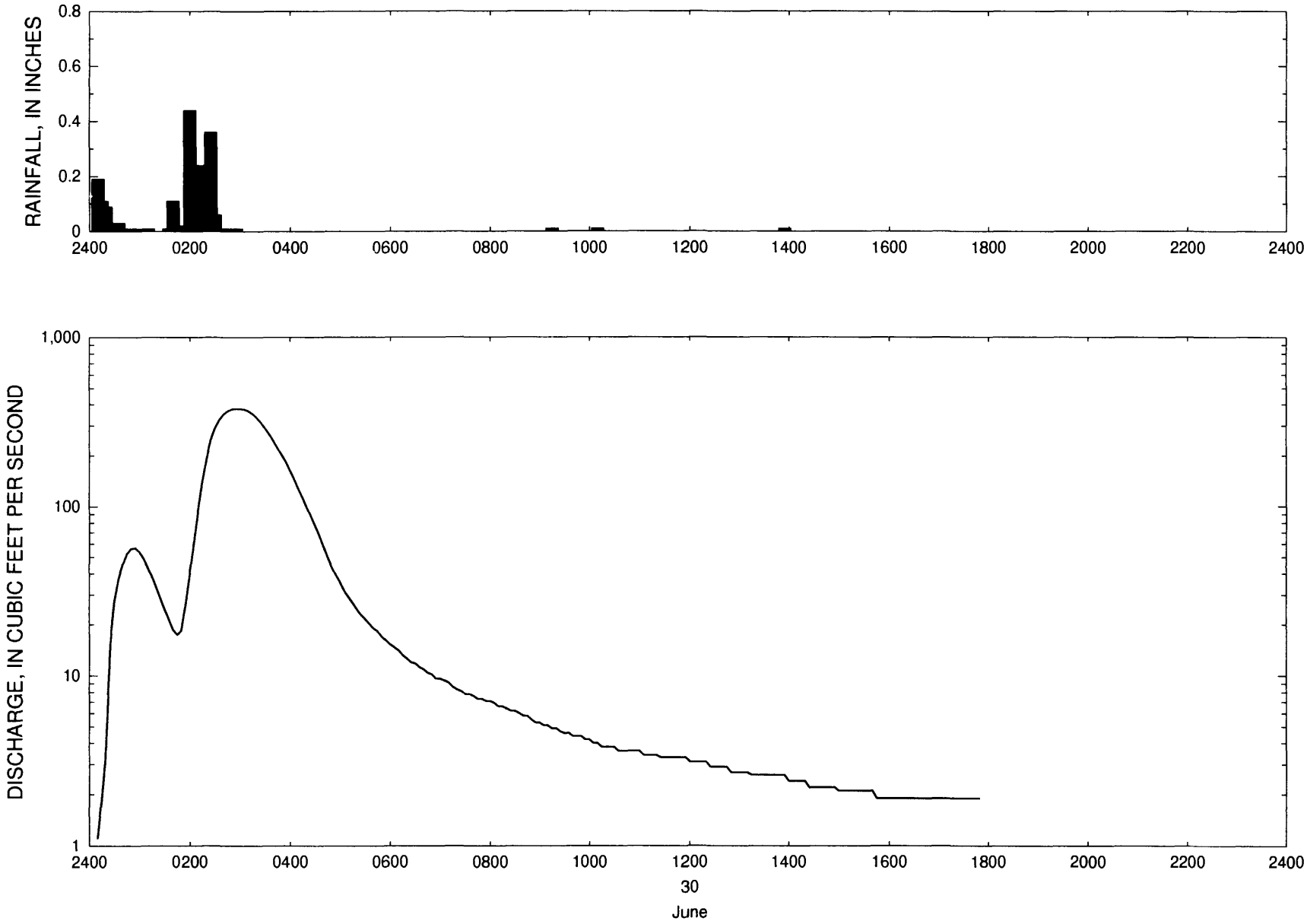


Figure 18.--Streamflow and rainfall at station 02135518, Turkey Creek at Sumter, June 30, 1989.

Table 17.--Streamflow and rainfall at station 02135518, Turkey Creek at Sumter, June 30, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 30, 1989			0530	21.8	0.00	1055	3.6	0.00
0010	1.1	0.19	0535	20.4	0.00	1100	3.6	0.00
0015	1.9	0.11	0540	19.1	0.00	1105	3.4	0.00
0020	3.8	0.09	0545	18.4	0.00	1110	3.4	0.00
0025	15.3	0.01	0550	17.1	0.00	1115	3.4	0.00
0030	27.7	0.00	0555	16.2	0.00	1120	3.4	0.00
0035	37.6	0.03	0600	15.3	0.00	1125	3.3	0.00
0040	45.7	0.00	0605	14.7	0.00	1130	3.3	0.00
0045	52.6	0.01	0610	14.1	0.00	1135	3.3	0.00
0050	56.4	0.00	0615	13.2	0.00	1140	3.3	0.00
0055	56.9	0.01	0620	12.6	0.00	1145	3.3	0.00
0100	54.0	0.00	0625	12.0	0.00	1150	3.3	0.00
0105	49.3	0.00	0630	11.8	0.00	1155	3.3	0.00
0110	44.0	0.01	0635	11.2	0.00	1200	3.1	0.00
0115	38.4	0.00	0640	10.9	0.00	1205	3.1	0.00
0120	33.3	0.00	0645	10.4	0.00	1210	3.1	0.00
0125	28.8	0.00	0650	10.2	0.00	1215	3.1	0.00
0130	24.9	0.00	0655	9.6	0.00	1220	3.1	0.00
0135	21.8	0.01	0700	9.6	0.00	1225	2.9	0.00
0140	18.8	0.11	0705	9.4	0.00	1230	2.9	0.00
0145	17.5	0.02	0710	9.1	0.00	1235	2.9	0.00
0150	18.4	0.01	0715	8.6	0.00	1240	2.9	0.00
0155	26.3	0.01	0720	8.3	0.00	1245	2.9	0.00
0200	40.1	0.44	0725	8.1	0.00	1250	2.7	0.00
0205	62.8	0.20	0730	7.8	0.00	1255	2.7	0.00
0210	96.3	0.21	0735	7.8	0.00	1300	2.7	0.00
0215	141.0	0.24	0740	7.6	0.00	1305	2.7	0.00
0220	193.0	0.00	0745	7.3	0.00	1310	2.7	0.00
0225	248.0	0.36	0750	7.3	0.00	1315	2.6	0.00
0230	291.0	0.06	0755	7.1	0.00	1320	2.6	0.00
0235	324.0	0.01	0800	7.1	0.00	1325	2.6	0.00
0240	351.0	0.01	0805	6.9	0.00	1330	2.6	0.00
0245	367.0	0.00	0810	6.6	0.00	1335	2.6	0.00
0250	376.0	0.00	0815	6.6	0.00	1340	2.6	0.00
0255	379.0	0.01	0820	6.4	0.00	1345	2.6	0.00
0300	378.0	0.00	0825	6.2	0.00	1350	2.6	0.00
0305	376.0	0.00	0830	6.2	0.00	1355	2.6	0.01
0310	367.0	0.00	0835	6.0	0.00	1400	2.4	0.00
0315	353.0	0.00	0840	5.8	0.00	1405	2.4	0.00
0320	335.0	0.00	0845	5.8	0.00	1410	2.4	0.00
0325	314.0	0.00	0850	5.5	0.00	1415	2.4	0.00
0330	291.0	0.00	0855	5.3	0.00	1420	2.4	0.00
0335	268.0	0.00	0900	5.3	0.00	1425	2.2	0.00
0340	245.0	0.00	0905	5.1	0.00	1430	2.2	0.00
0345	223.0	0.00	0910	5.1	0.00	1435	2.2	0.00
0350	202.0	0.00	0915	4.9	0.01	1440	2.2	0.00
0355	182.0	0.00	0920	4.9	0.00	1445	2.2	0.00
0400	163.0	0.00	0925	4.7	0.00	1450	2.2	0.00
0405	144.0	0.00	0930	4.6	0.00	1455	2.2	0.00
0410	127.0	0.00	0935	4.6	0.00	1500	2.1	0.00
0415	113.0	0.00	0940	4.4	0.00	1505	2.1	0.00
0420	98.8	0.00	0945	4.4	0.00	1510	2.1	0.00
0425	87.4	0.00	0950	4.4	0.00	1515	2.1	0.00
0430	77.1	0.00	0955	4.2	0.00	1520	2.1	0.00
0435	67.5	0.00	1000	4.2	0.00	1525	2.1	0.00
0440	58.3	0.00	1005	4.0	0.00	1530	2.1	0.00
0445	50.7	0.00	1010	4.0	0.01	1535	2.1	0.00
0450	44.4	0.00	1015	3.8	0.00	1540	2.1	0.00
0455	39.7	0.00	1020	3.8	0.00	1545	1.9	0.00
0500	36.0	0.00	1025	3.8	0.00	1550	1.9	0.00
0505	32.1	0.00	1030	3.8	0.00	1555	1.9	0.00
0510	29.5	0.00	1035	3.6	0.00	1600	1.9	0.00
0515	27.0	0.00	1040	3.6	0.00	1605	1.9	0.00
0520	24.9	0.00	1045	3.6	0.00	1610	1.9	0.00
0525	23.1	0.00	1050	3.6	0.00	1615	1.9	0.00

Table 17.--Streamflow and rainfall at station 02135518, Turkey Creek at Sumter, June 30, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1620	1.9	0.00	1655	1.9	0.00	1730	1.9	0.00
1625	1.9	0.00	1700	1.9	0.00	1735	1.9	0.00
1630	1.9	0.00	1705	1.9	0.00	1740	1.9	0.00
1635	1.9	0.00	1710	1.9	0.00	1745	1.9	0.00
1640	1.9	0.00	1715	1.9	0.00	1750	1.9	0.00
1645	1.9	0.00	1720	1.9	0.00	1755	1.9	0.00
1650	1.9	0.00	1725	1.9	0.00	1800	1.9	0.00

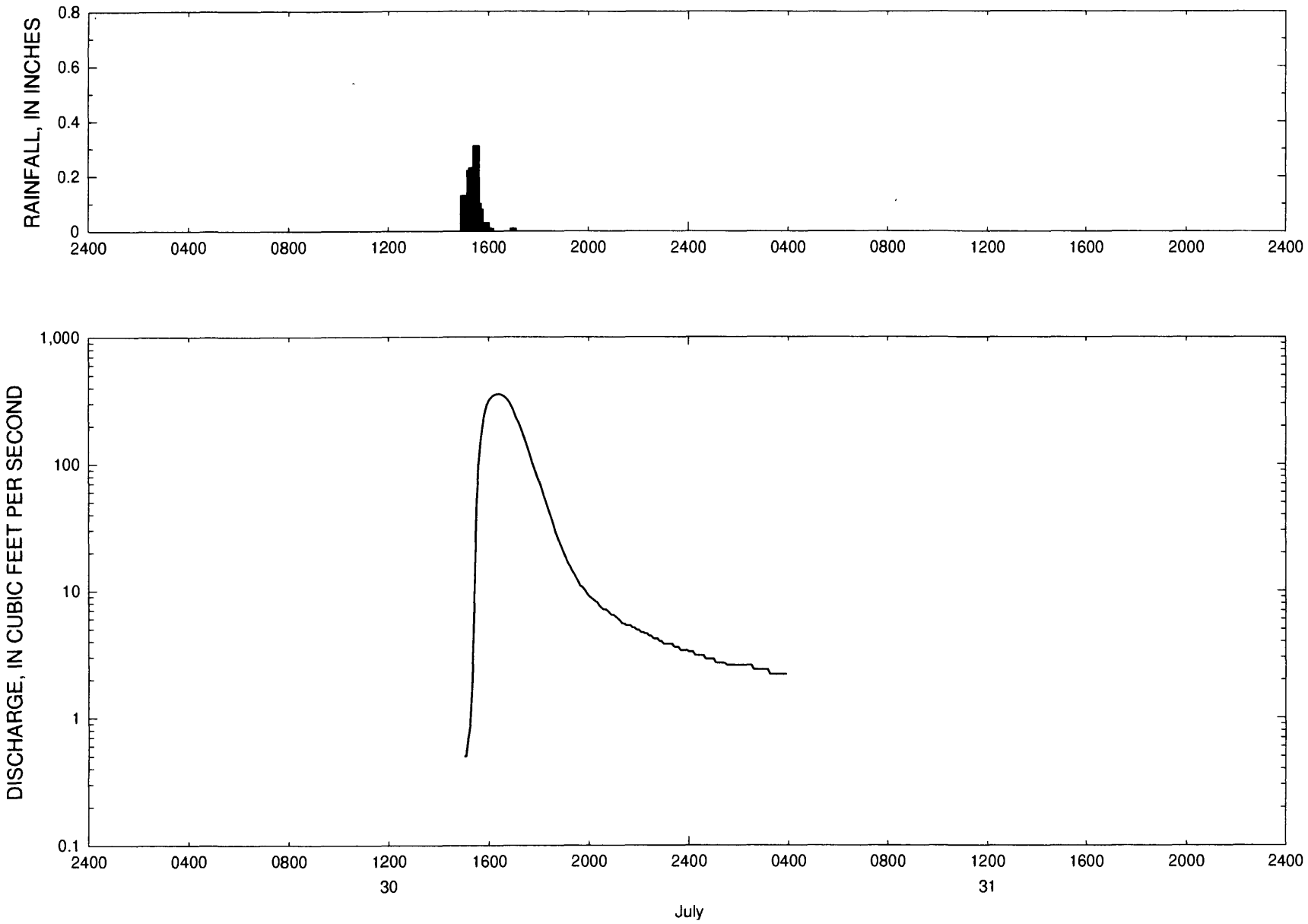


Figure 19.--Streamflow and rainfall at station 02135518, Turkey Creek at Sumter, July 30-31, 1989.

Table 18.--Streamflow and rainfall at station 02135518, Turkey Creek at Sumter, July 30-31, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 30, 1989			1925	13.5	0.00	2355	3.4	0.00
1500	0.5	0.13	1930	12.6	0.00	July 31, 1989		
1505	0.5	0.11	1935	11.8	0.00	0000	3.3	0.00
1510	0.7	0.12	1940	10.9	0.00	0005	3.3	0.00
1515	0.9	0.22	1945	10.7	0.00	0010	3.3	0.00
1520	1.9	0.23	1950	10.2	0.00	0015	3.1	0.00
1525	9.6	0.08	1955	9.6	0.00	0020	3.1	0.00
1530	47.5	0.31	2000	9.1	0.00	0025	3.1	0.00
1535	100.0	0.10	2005	8.8	0.00	0030	3.1	0.00
1540	153.0	0.08	2010	8.6	0.00	0035	3.1	0.00
1545	204.0	0.03	2015	8.3	0.00	0040	2.9	0.00
1550	250.0	0.02	2020	8.1	0.00	0045	2.9	0.00
1555	291.0	0.03	2025	7.6	0.00	0050	2.9	0.00
1600	316.0	0.01	2030	7.3	0.00	0055	2.9	0.00
1605	333.0	0.01	2035	7.1	0.00	0100	2.9	0.00
1610	346.0	0.00	2040	7.1	0.00	0105	2.7	0.00
1615	352.0	0.00	2045	6.9	0.00	0110	2.7	0.00
1620	357.0	0.00	2050	6.6	0.00	0115	2.7	0.00
1625	357.0	0.00	2055	6.4	0.00	0120	2.7	0.00
1630	354.0	0.00	2100	6.4	0.00	0125	2.7	0.00
1635	345.0	0.00	2105	6.2	0.00	0130	2.6	0.00
1640	333.0	0.00	2110	6.0	0.00	0135	2.6	0.00
1645	321.0	0.00	2115	5.8	0.00	0140	2.6	0.00
1650	305.0	0.00	2120	5.5	0.00	0145	2.6	0.00
1655	284.0	0.00	2125	5.5	0.00	0150	2.6	0.00
1700	262.0	0.01	2130	5.3	0.00	0155	2.6	0.00
1705	238.0	0.00	2135	5.3	0.00	0200	2.6	0.00
1710	217.0	0.00	2140	5.3	0.00	0205	2.6	0.00
1715	198.0	0.00	2145	5.1	0.00	0210	2.6	0.00
1720	179.0	0.00	2150	5.1	0.00	0215	2.6	0.00
1725	161.0	0.00	2155	4.9	0.00	0220	2.6	0.00
1730	144.0	0.00	2200	4.9	0.00	0225	2.6	0.00
1735	129.0	0.00	2205	4.7	0.00	0230	2.6	0.00
1740	115.0	0.00	2210	4.7	0.00	0235	2.4	0.00
1745	102.0	0.00	2215	4.6	0.00	0240	2.4	0.00
1750	92.1	0.00	2220	4.6	0.00	0245	2.4	0.00
1755	82.8	0.00	2225	4.4	0.00	0250	2.4	0.00
1800	73.9	0.00	2230	4.4	0.00	0255	2.4	0.00
1805	65.9	0.00	2235	4.2	0.00	0300	2.4	0.00
1810	58.3	0.00	2240	4.2	0.00	0305	2.4	0.00
1815	52.6	0.00	2245	4.2	0.00	0310	2.4	0.00
1820	47.0	0.00	2250	4.0	0.00	0315	2.2	0.00
1825	42.2	0.00	2255	4.0	0.00	0320	2.2	0.00
1830	37.6	0.00	2300	3.8	0.00	0325	2.2	0.00
1835	33.6	0.00	2305	3.8	0.00	0330	2.2	0.00
1840	29.5	0.00	2310	3.8	0.00	0335	2.2	0.00
1845	26.6	0.00	2315	3.8	0.00	0340	2.2	0.00
1850	23.8	0.00	2320	3.8	0.00	0345	2.2	0.00
1855	21.8	0.00	2325	3.6	0.00	0350	2.2	0.00
1900	19.7	0.00	2330	3.6	0.00	0355	2.2	0.00
1905	18.1	0.00	2335	3.6	0.00	0400	2.1	0.00
1910	16.5	0.00	2340	3.4	0.00			
1915	15.6	0.00	2345	3.4	0.00			
1920	14.4	0.00	2350	3.4	0.00			

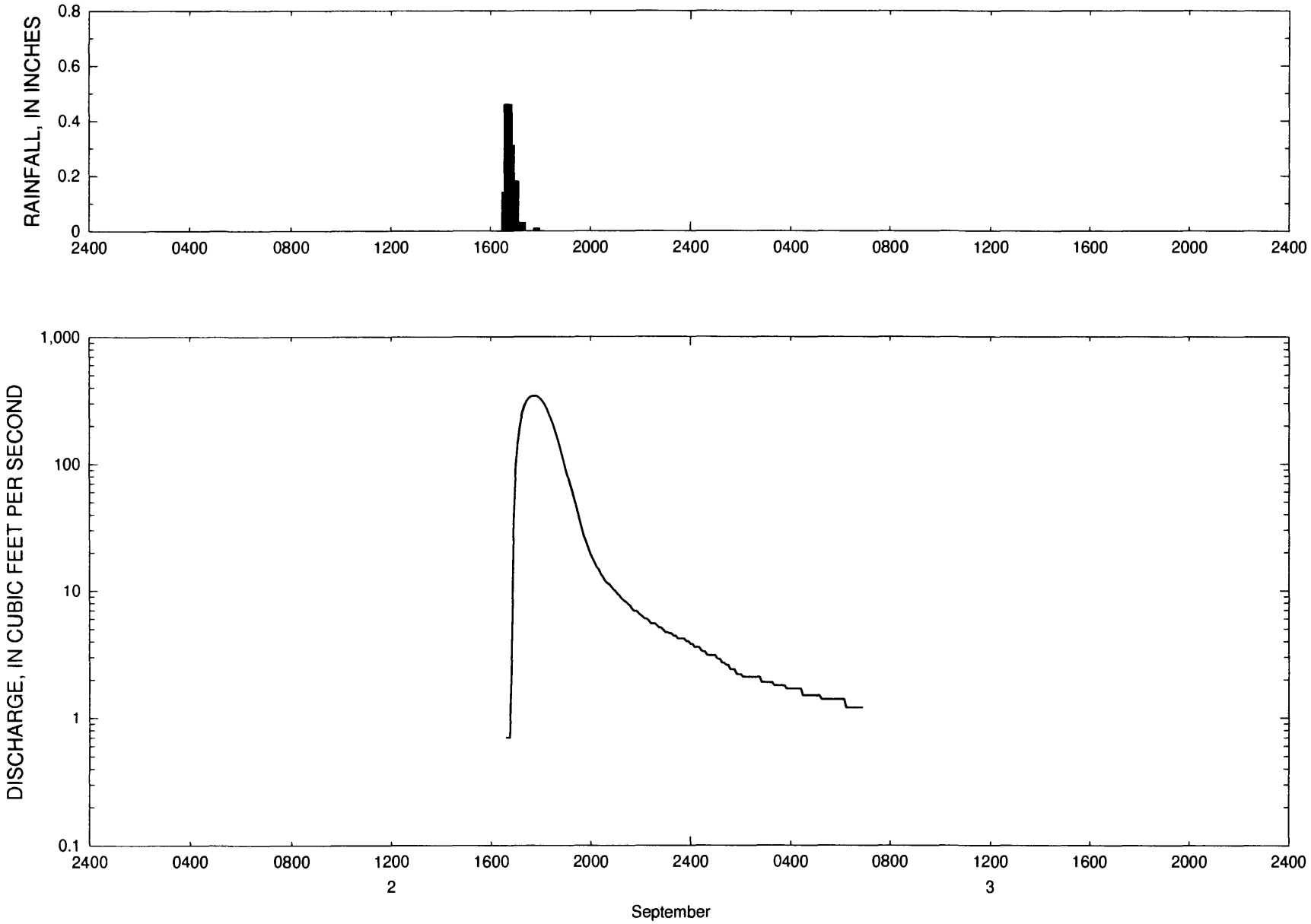


Figure 20.--Streamflow and rainfall at station 02135513, Turkey Creek at Sumter, September 2-3, 1999.

Table 19.--Streamflow and rainfall at station 02135518, Turkey Creek at Sumter, September 2-3, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 2, 1989			2125	8.1	0.00	0215	2.1	0.00
1635	0.7	0.14	2130	7.8	0.00	0220	2.1	0.00
1640	0.7	0.46	2135	7.6	0.00	0225	2.1	0.00
1645	0.7	0.46	2140	7.1	0.00	0230	2.1	0.00
1650	3.1	0.31	2145	6.9	0.00	0235	2.1	0.00
1655	35.6	0.11	2150	6.9	0.00	0240	2.1	0.00
1700	92.1	0.18	2155	6.6	0.00	0245	2.1	0.00
1705	146.0	0.03	2200	6.4	0.00	0250	1.9	0.00
1710	201.0	0.02	2205	6.2	0.00	0255	1.9	0.00
1715	252.0	0.03	2210	6.0	0.00	0300	1.9	0.00
1720	288.0	0.00	2215	6.0	0.00	0305	1.9	0.00
1725	312.0	0.00	2220	5.8	0.00	0310	1.9	0.00
1730	329.0	0.00	2225	5.5	0.00	0315	1.9	0.00
1735	340.0	0.00	2230	5.5	0.00	0320	1.8	0.00
1740	343.0	0.00	2235	5.5	0.00	0325	1.8	0.00
1745	343.0	0.00	2240	5.3	0.00	0330	1.8	0.00
1750	343.0	0.01	2245	5.1	0.00	0335	1.8	0.00
1755	335.0	0.00	2250	5.1	0.00	0340	1.8	0.00
1800	323.0	0.00	2255	4.9	0.00	0345	1.8	0.00
1805	308.0	0.00	2300	4.7	0.00	0350	1.7	0.00
1810	291.0	0.00	2305	4.7	0.00	0355	1.7	0.00
1815	271.0	0.00	2310	4.6	0.00	0400	1.7	0.00
1820	248.0	0.00	2315	4.6	0.00	0405	1.7	0.00
1825	223.0	0.00	2320	4.4	0.00	0410	1.7	0.00
1830	202.0	0.00	2325	4.4	0.00	0415	1.7	0.00
1835	179.0	0.00	2330	4.2	0.00	0420	1.7	0.00
1840	159.0	0.00	2335	4.2	0.00	0425	1.7	0.00
1845	141.0	0.00	2340	4.2	0.00	0430	1.5	0.00
1850	123.0	0.00	2345	4.2	0.00	0435	1.5	0.00
1855	107.0	0.00	2350	4.0	0.00	0440	1.5	0.00
1900	92.7	0.00	2355	4.0	0.00	0445	1.5	0.00
1905	80.5	0.00	September 3, 1989			0450	1.5	0.00
1910	70.1	0.00	0000	3.8	0.00	0455	1.5	0.00
1915	61.3	0.00	0005	3.8	0.00	0500	1.5	0.00
1920	53.0	0.00	0010	3.6	0.00	0505	1.5	0.00
1925	46.2	0.00	0015	3.6	0.00	0510	1.5	0.00
1930	40.1	0.00	0020	3.6	0.00	0515	1.4	0.00
1935	34.4	0.00	0025	3.4	0.00	0520	1.4	0.00
1940	30.2	0.00	0030	3.3	0.00	0525	1.4	0.00
1945	26.3	0.00	0035	3.3	0.00	0530	1.4	0.00
1950	23.5	0.00	0040	3.1	0.00	0535	1.4	0.00
1955	21.1	0.00	0045	3.1	0.00	0540	1.4	0.00
2000	19.1	0.00	0050	3.1	0.00	0545	1.4	0.00
2005	17.8	0.00	0055	3.1	0.00	0550	1.4	0.00
2010	16.5	0.00	0100	3.1	0.00	0555	1.4	0.00
2015	15.3	0.00	0105	2.9	0.00	0600	1.4	0.00
2020	14.7	0.00	0110	2.9	0.00	0605	1.4	0.00
2025	13.5	0.00	0115	2.7	0.00	0610	1.4	0.00
2030	12.9	0.00	0120	2.7	0.00	0615	1.2	0.00
2035	12.0	0.00	0125	2.6	0.00	0620	1.2	0.00
2040	11.5	0.00	0130	2.6	0.00	0625	1.2	0.00
2045	11.2	0.00	0135	2.4	0.00	0630	1.2	0.00
2050	10.7	0.00	0140	2.4	0.00	0635	1.2	0.00
2055	10.2	0.00	0145	2.4	0.00	0640	1.2	0.00
2100	9.9	0.00	0150	2.2	0.00	0645	1.2	0.00
2105	9.4	0.00	0155	2.2	0.00	0650	1.2	0.00
2110	9.1	0.00	0200	2.2	0.00	0655	1.2	0.00
2115	8.6	0.00	0205	2.1	0.00	0700	1.2	0.00
2120	8.3	0.00	0210	2.1	0.00			

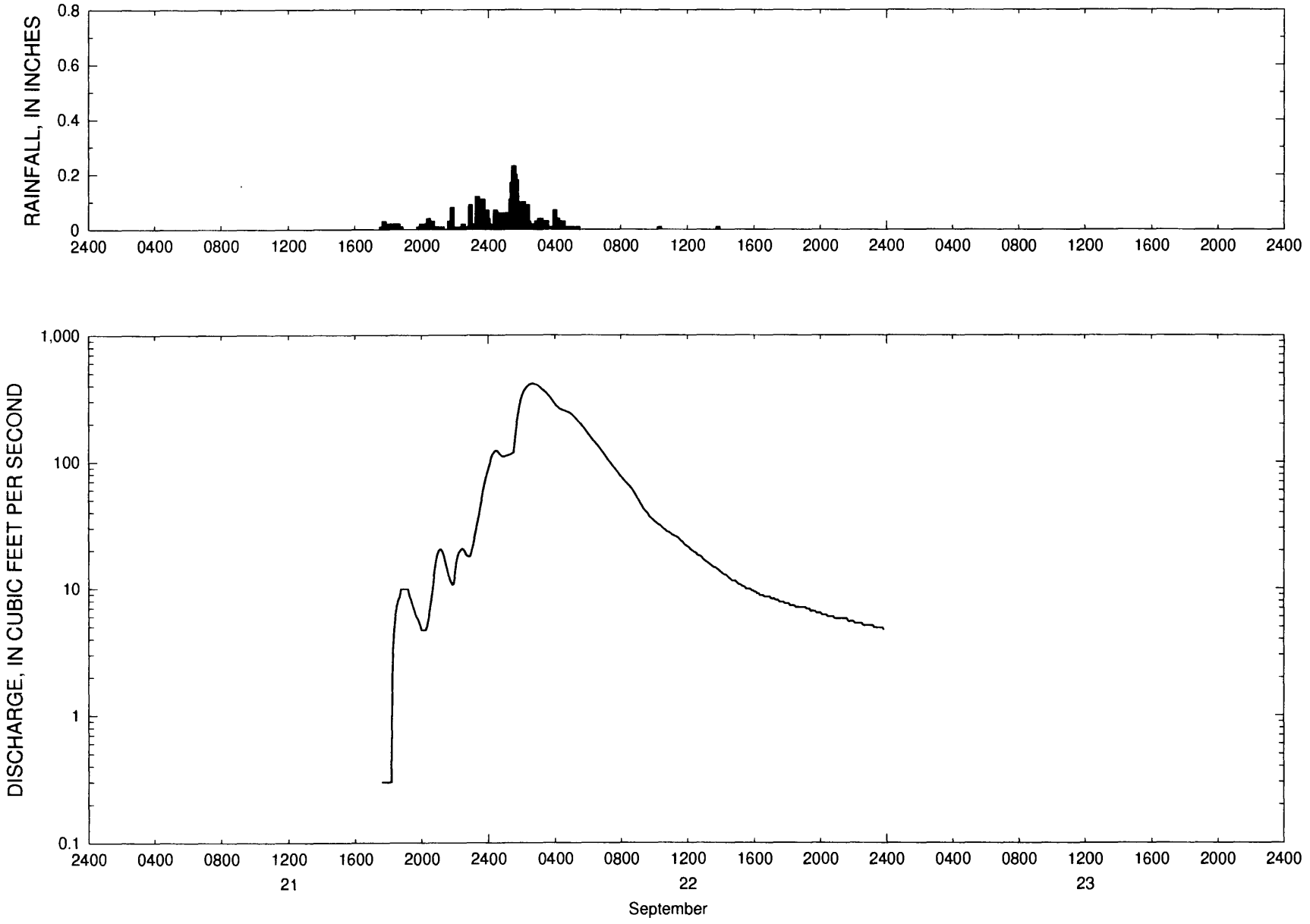


Figure 21.--Streamflow and rainfall at station 02135518, Turkey Creek at Sumter, September 21-22, 1989.

Table 20.--Streamflow and rainfall at station 02135518, Turkey Creek at Sumter, September 21-22, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 21, 1989			2255	18.1	0.09	0415	265.0	0.02
1735	0.3	0.01	2300	20.1	0.02	0420	261.0	0.03
1740	0.3	0.00	2305	22.1	0.00	0425	258.0	0.03
1745	0.3	0.03	2310	25.2	0.00	0430	256.0	0.03
1750	0.3	0.02	2315	28.4	0.00	0435	254.0	0.01
1755	0.3	0.01	2320	32.9	0.12	0440	251.0	0.01
1800	0.3	0.00	2325	37.2	0.09	0445	249.0	0.01
1805	0.3	0.02	2330	43.5	0.01	0450	247.0	0.00
1810	0.3	0.01	2335	50.2	0.00	0455	243.0	0.01
1815	2.7	0.01	2340	58.3	0.11	0500	239.0	0.00
1820	4.7	0.00	2345	66.4	0.00	0505	234.0	0.01
1825	6.2	0.02	2350	73.9	0.07	0510	228.0	0.00
1830	7.3	0.00	2355	81.6	0.07	0515	222.0	0.00
1835	8.1	0.02	September 22, 1989			0520	216.0	0.00
1840	8.6	0.00	0000	89.1	0.04	0525	210.0	0.01
1845	9.9	0.01	0005	96.9	0.02	0530	204.0	0.00
1850	9.9	0.00	0010	106.0	0.01	0535	198.0	0.00
1855	9.9	0.00	0015	114.0	0.01	0540	191.0	0.00
1900	9.9	0.00	0020	119.0	0.00	0545	186.0	0.00
1905	9.9	0.00	0025	123.0	0.07	0550	180.0	0.00
1910	9.9	0.00	0030	123.0	0.02	0555	174.0	0.00
1915	8.8	0.00	0035	120.0	0.03	0600	168.0	0.00
1920	8.3	0.00	0040	116.0	0.06	0605	163.0	0.00
1925	7.6	0.00	0045	113.0	0.04	0610	157.0	0.00
1930	7.1	0.00	0050	111.0	0.06	0615	152.0	0.00
1935	6.6	.00	0055	111.0	0.06	0620	147.0	0.00
1940	6.0	0.00	0100	111.0	0.06	0625	144.0	0.00
1945	5.8	0.00	0105	112.0	0.03	0630	139.0	0.00
1950	5.5	0.01	0110	113.0	0.04	0635	135.0	0.00
1955	5.1	0.00	0115	114.0	0.03	0640	131.0	0.00
2000	4.7	0.02	0120	115.0	0.11	0645	127.0	0.00
2005	4.7	0.00	0125	117.0	0.17	0650	123.0	0.00
2010	4.7	0.02	0130	119.0	0.23	0655	119.0	0.00
2015	4.7	0.00	0135	156.0	0.20	0700	115.0	0.00
2020	5.1	0.01	0140	198.0	0.18	0705	111.0	0.00
2025	5.8	0.04	0145	233.0	0.10	0710	107.0	0.00
2030	6.9	0.03	0150	273.0	0.06	0715	102.0	0.00
2035	8.3	0.00	0155	308.0	0.04	0720	99.4	0.00
2040	10.2	0.03	0200	336.0	0.04	0725	95.7	0.00
2045	12.9	0.01	0205	358.0	0.10	0730	92.7	0.00
2050	15.9	0.00	0210	374.0	0.07	0735	89.7	0.00
2055	18.1	0.00	0215	387.0	0.08	0740	86.8	0.00
2100	19.7	0.01	0220	398.0	0.09	0745	84.5	0.00
2105	20.4	0.00	0225	406.0	0.03	0750	81.6	0.00
2110	20.4	0.00	0230	411.0	0.02	0755	78.8	0.00
2115	19.4	0.01	0235	415.0	0.00	0800	76.6	0.00
2120	18.1	0.00	0240	415.0	0.02	0805	74.4	0.00
2125	16.2	0.00	0245	412.0	0.02	0810	72.2	0.00
2130	14.7	0.00	0250	410.0	0.02	0815	70.1	0.00
2135	13.2	0.00	0255	407.0	0.03	0820	68.5	0.00
2140	12.0	0.03	0300	401.0	0.02	0825	66.4	0.00
2145	11.2	0.00	0305	392.0	0.04	0830	64.9	0.00
2150	10.7	0.08	0310	382.0	0.04	0835	62.8	0.00
2155	10.9	0.00	0315	374.0	0.03	0840	60.8	0.00
2200	12.9	0.00	0320	364.0	0.02	0845	58.8	0.00
2205	15.9	0.00	0325	355.0	0.02	0850	56.4	0.00
2210	18.1	0.01	0330	345.0	0.03	0855	54.0	0.00
2215	19.4	0.00	0335	336.0	0.01	0900	51.6	0.00
2220	20.1	0.00	0340	327.0	0.01	0905	49.3	0.00
2225	20.7	0.01	0345	316.0	0.01	0910	47.0	0.00
2230	20.4	0.02	0350	306.0	0.01	0915	45.3	0.00
2235	19.7	0.00	0355	296.0	0.01	0920	43.1	0.00
2240	18.4	0.01	0400	286.0	0.07	0925	41.8	0.00
2245	18.1	0.01	0405	277.0	0.04	0930	40.5	0.00
2250	17.8	0.00	0410	271.0	0.04	0935	39.7	0.00

Table 20.--Streamflow and rainfall at station 02135518, Turkey Creek at Sumter, September 21-22, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
0940	38.0	0.00	1430	12.0	0.00	1920	6.9	0.00
0945	36.8	0.00	1435	11.8	0.00	1925	6.6	0.00
0950	36.0	0.00	1440	11.5	0.00	1930	6.6	0.00
0955	35.2	0.00	1445	11.5	0.00	1935	6.6	0.00
1000	34.4	0.00	1450	11.5	0.00	1940	6.6	0.00
1005	33.6	0.00	1455	11.2	0.00	1945	6.4	0.00
1010	32.9	0.00	1500	10.9	0.00	1950	6.4	0.00
1015	32.1	0.00	1505	10.7	0.00	1955	6.4	0.00
1020	31.7	0.01	1510	10.7	0.00	2000	6.4	0.00
1025	31.0	0.00	1515	10.4	0.00	2005	6.2	0.00
1030	30.2	0.00	1520	10.4	0.00	2010	6.2	0.00
1035	29.5	0.00	1525	10.2	0.00	2015	6.2	0.00
1040	29.1	0.00	1530	9.9	0.00	2020	6.2	0.00
1045	28.4	0.00	1535	9.9	0.00	2025	6.0	0.00
1050	28.0	0.00	1540	9.9	0.00	2030	6.0	0.00
1055	27.7	0.00	1545	9.9	0.00	2035	6.0	0.00
1100	27.3	0.00	1550	9.6	0.00	2040	6.0	0.00
1105	26.6	0.00	1555	9.6	0.00	2045	6.0	0.00
1110	26.3	0.00	1600	9.4	0.00	2050	5.8	0.00
1115	25.9	0.00	1605	9.4	0.00	2055	5.8	0.00
1120	25.6	0.00	1610	9.1	0.00	2100	5.8	0.00
1125	25.2	0.00	1615	9.1	0.00	2105	5.8	0.00
1130	24.5	0.00	1620	8.8	0.00	2110	5.8	0.00
1135	23.8	0.00	1625	8.8	0.00	2115	5.8	0.00
1140	23.5	0.00	1630	8.8	0.00	2120	5.8	0.00
1145	22.8	0.00	1635	8.6	0.00	2125	5.8	0.00
1150	22.1	0.00	1640	8.6	0.00	2130	5.8	0.00
1155	21.8	0.00	1645	8.6	0.00	2135	5.8	0.00
1200	21.4	0.00	1650	8.6	0.00	2140	5.5	0.00
1205	21.1	0.00	1655	8.6	0.00	2145	5.5	0.00
1210	20.4	0.00	1700	8.3	0.00	2150	5.5	0.00
1215	20.1	0.00	1705	8.3	0.00	2155	5.5	0.00
1220	19.7	0.00	1710	8.3	0.00	2200	5.5	0.00
1225	19.4	0.00	1715	8.1	0.00	2205	5.3	0.00
1230	19.1	0.00	1720	8.1	0.00	2210	5.3	0.00
1235	18.4	0.00	1725	8.1	0.00	2215	5.3	0.00
1240	18.1	0.00	1730	7.8	0.00	2220	5.3	0.00
1245	18.1	0.00	1735	7.8	0.00	2225	5.3	0.00
1250	17.8	0.00	1740	7.8	0.00	2230	5.3	0.00
1255	17.1	0.00	1745	7.8	0.00	2235	5.1	0.00
1300	16.8	0.00	1750	7.6	0.00	2240	5.1	0.00
1305	16.5	0.00	1755	7.6	0.00	2245	5.1	0.00
1310	16.2	0.00	1800	7.6	0.00	2250	5.1	0.00
1315	15.9	0.00	1805	7.6	0.00	2255	5.1	0.00
1320	15.6	0.00	1810	7.3	0.00	2300	5.1	0.00
1325	15.3	0.00	1815	7.3	0.00	2305	5.1	0.00
1330	15.0	0.00	1820	7.3	0.00	2310	5.1	0.00
1335	14.7	0.00	1825	7.3	0.00	2315	4.9	0.00
1340	14.7	0.00	1830	7.1	0.00	2320	4.9	0.00
1345	14.4	0.00	1835	7.1	0.00	2325	4.9	0.00
1350	14.1	0.01	1840	7.1	0.00	2330	4.9	0.00
1355	13.8	0.00	1845	7.1	0.00	2335	4.9	0.00
1400	13.5	0.00	1850	7.1	0.00	2340	4.9	0.00
1405	13.2	0.00	1855	7.1	0.00	2345	4.9	0.00
1410	12.9	0.00	1900	7.1	0.00	2350	4.7	0.00
1415	12.9	0.00	1905	7.1	0.00	2355	4.7	0.00
1420	12.6	0.00	1910	6.9	0.00			
1425	12.3	0.00	1915	6.9	0.00			

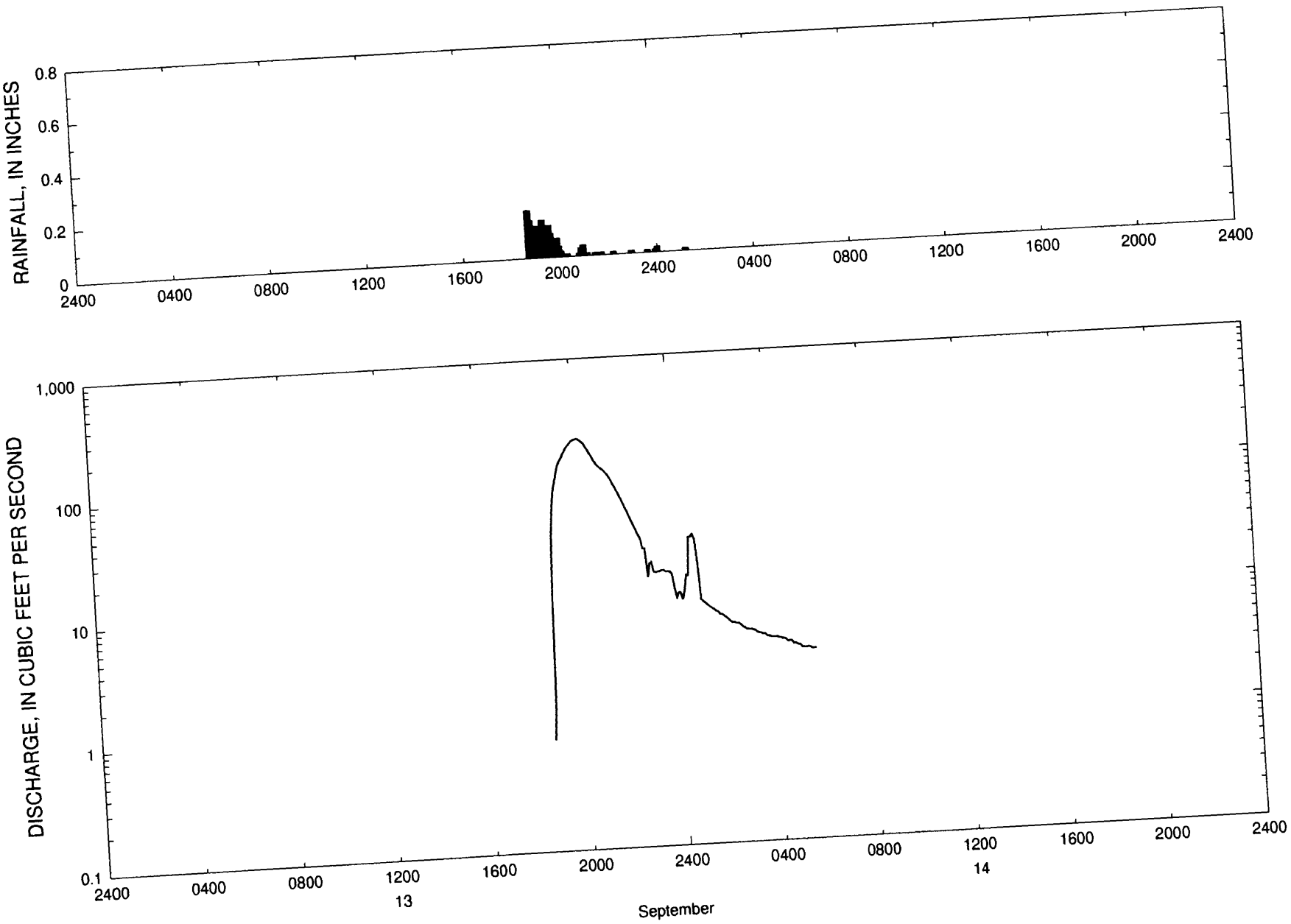


Figure 22.--Streamflow and rainfall at station 02135518, Turkey Creek at Sumter, September 13-14, 1990.

Table 21.--Streamflow and rainfall at station 02135518, Turkey Creek at Sumter, September 13-14, 1990

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 13, 1990			2230	34.6	0.00	0220	6.1	0.00
1840	0.8	0.18	2235	31.9	0.00	0225	6.0	0.00
1845	1.6	0.14	2240	26.6	0.00	0230	6.0	0.00
1850	12.2	0.09	2245	26.6	0.00	0235	5.8	0.00
1855	36.9	0.12	2250	15.4	0.00	0240	5.6	0.00
1900	63.1	0.12	2255	20.0	0.01	0245	5.5	0.00
1905	85.7	0.10	2300	20.6	0.00	0250	5.3	0.00
1910	102.0	0.10	2305	17.0	0.00	0255	5.3	0.00
1915	120.0	0.14	2310	16.9	0.00	0300	5.3	0.00
1920	138.0	0.07	2315	17.0	0.00	0305	5.2	0.00
1925	150.0	0.04	2320	17.1	0.00	0310	5.2	0.00
1930	160.0	0.12	2325	17.4	0.00	0315	5.0	0.00
1935	173.0	0.09	2330	17.5	0.00	0320	4.9	0.00
1940	185.0	0.04	2335	16.9	0.01	0325	4.9	0.00
1945	195.0	0.07	2340	17.0	0.00	0330	4.8	0.00
1950	204.0	0.07	2345	16.8	0.00	0335	4.8	0.00
1955	212.0	0.04	2350	16.1	0.00	0340	4.6	0.00
2000	218.0	0.02	2355	12.4	0.01	0345	4.6	0.00
2005	221.0	0.00	September 14, 1990			0350	4.5	0.00
2010	222.0	0.00	0000	10.1	0.02	0355	4.5	0.00
2015	219.0	0.01	0005	11.3	0.00	0400	4.5	0.00
2020	212.0	0.00	0010	11.3	0.00	0405	4.5	0.00
2025	204.0	0.00	0015	9.9	0.00	0410	4.4	0.00
2030	192.0	0.00	0020	12.0	0.00	0415	4.4	0.00
2035	180.0	0.00	0025	15.6	0.00	0420	4.3	0.00
2040	168.0	0.00	0030	15.4	0.00	0425	4.3	0.00
2045	156.0	0.01	0035	31.6	0.00	0430	4.1	0.00
2050	145.0	0.03	0040	31.6	0.00	0435	4.1	0.00
2055	136.0	0.04	0045	33.4	0.00	0440	4.1	0.00
2100	130.0	0.01	0050	30.1	0.00	0445	3.9	0.00
2105	126.0	0.01	0055	19.5	0.00	0450	3.9	0.00
2110	122.0	0.00	0100	9.7	0.00	0455	3.8	0.00
2115	118.0	0.00	0105	9.3	0.00	0500	3.8	0.00
2120	112.0	0.00	0110	9.1	0.01	0505	3.6	0.00
2125	106.0	0.01	0115	8.7	0.00	0510	3.6	0.00
2130	98.9	0.01	0120	8.4	0.00	0515	3.6	0.00
2135	91.2	0.01	0125	8.2	0.00	0520	3.6	0.00
2140	84.3	0.01	0130	8.0	0.00	0525	3.6	0.00
2145	77.8	0.00	0135	7.7	0.00	0530	3.5	0.00
2150	71.5	0.00	0140	7.6	0.00	0535	3.5	0.00
2155	65.5	0.00	0145	7.2	0.00	0540	3.5	0.00
2200	59.4	0.00	0150	7.2	0.00	0545	3.4	0.00
2205	54.6	0.00	0155	7.0	0.00	0550	3.4	0.00
2210	49.6	0.01	0200	6.8	0.00	0555	3.4	0.00
2215	45.3	0.00	0205	6.5	0.00	0600	3.4	0.00
2220	41.3	0.00	0210	6.3	0.00			
2225	37.9	0.00	0215	6.1	0.00			

Station 02145940, Little Dutchman Creek Tributary at Rock Hill, S.C.

Location.--Lat 34°58'34", long 81°01'02", York County, Hydrologic Unit 03050103, at culvert on Celanese Road (S.C. Highway 161), 0.2 mi upstream from the mouth at Little Dutchman Creek.

Period of record.-- October 25, 1985 to October 3, 1989.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to a free-standing platform located on the left bank approximately 50 ft upstream from the single 10.1 ft by 12 ft concrete box culvert. An enameled staff gage is attached to the wooden platform. A crest-stage indicator is located on the right downstream wingwall.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 112 ft^3/s. The stage-streamflow relation was extended for streamflows greater than 1,200 ft^3/s using indirect computational methods.

Rain gage and location.--Station 345734081003000, lat 34°57'34", long 81°00'30". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval at the Rock Hill Telephone Company facility on Ebinport Road (State secondary road 904) near the intersection with U.S. Highway 21, and 2.7 mi northeast of the Rock Hill Post Office.

Selected basin characteristics.--

Drainage area -- 3.50 mi^2
Physiographic province -- Piedmont
Channel slope -- 46.8 ft/mi
Channel length -- 2.90 mi
Total impervious area -- 19.0 percent
Basin development factor -- 6
2-year, 2-hour rainfall amount -- 1.95 in.

Flood frequency data:		
	UQ_2	966 ft^3/s
	UQ_5	1,410 ft^3/s
	UQ_{10}	1,690 ft^3/s
	UQ_{25}	2,020 ft^3/s
	UQ_{50}	2,240 ft^3/s
	UQ_{100}	2,450 ft^3/s
	UQ_{500}	2,890 ft^3/s

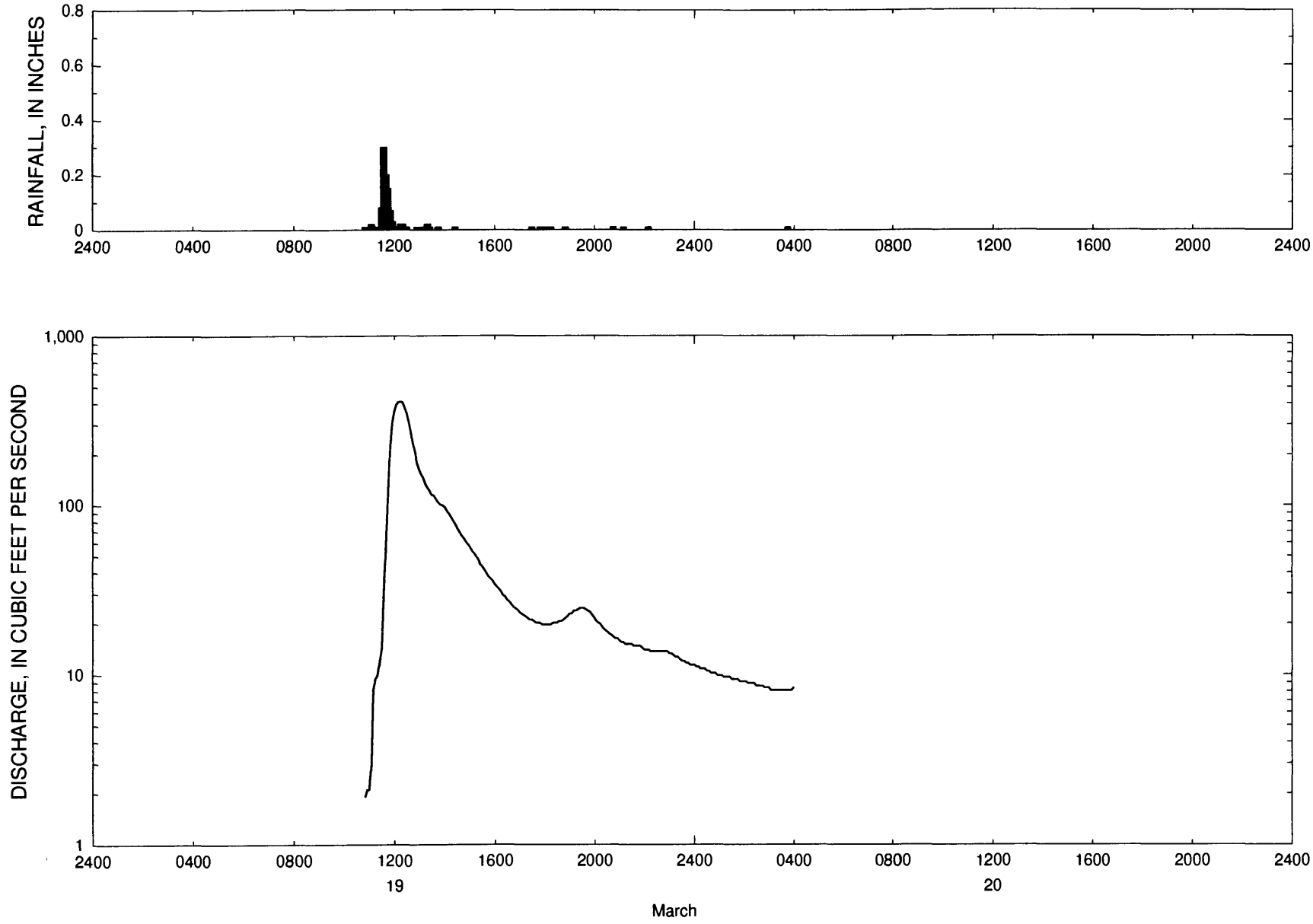


Figure 23.--Streamflow and rainfall at station 02115940, Little Dutchman Creek tributary at Rock Hill, March 19-20, 1996.

Table 22.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, March 19-20, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
March 19, 1986			1610	31.9	0.00	2135	14.8	0.00
1050	1.9	0.01	1615	30.8	0.00	2140	14.8	0.00
1055	2.1	0.01	1620	29.3	0.00	2145	14.8	0.00
1100	2.1	0.00	1625	28.8	0.00	2150	14.8	0.00
1105	3.0	0.02	1630	27.4	0.00	2155	14.4	0.00
1110	8.1	0.01	1635	26.9	0.00	2200	14.0	0.00
1115	9.4	0.01	1640	25.9	0.00	2205	14.0	0.00
1120	9.9	0.01	1645	25.0	0.00	2210	14.0	0.01
1125	12.0	0.01	1650	24.6	0.00	2215	13.7	0.00
1130	14.4	0.08	1655	24.1	0.00	2220	13.7	0.00
1135	30.8	0.30	1700	23.3	0.00	2225	13.7	0.00
1140	61.6	0.20	1705	22.8	0.00	2230	13.7	0.00
1145	115.0	0.15	1710	22.4	0.00	2235	13.7	0.00
1150	219.0	0.07	1715	22.0	0.00	2240	13.7	0.00
1155	306.0	0.03	1720	21.5	0.00	2245	13.7	0.00
1200	359.0	0.00	1725	21.0	0.00	2250	13.7	0.00
1205	393.0	0.01	1730	21.0	0.01	2255	13.7	0.00
1210	408.0	0.01	1735	20.6	0.00	2300	13.3	0.00
1215	411.0	0.02	1740	20.1	0.00	2305	13.3	0.00
1220	406.0	0.02	1745	20.1	0.00	2310	13.0	0.00
1225	378.0	0.00	1750	20.1	0.01	2315	12.7	0.00
1230	350.0	0.01	1755	19.7	0.00	2320	12.7	0.00
1235	312.0	0.00	1800	19.7	0.00	2325	12.3	0.00
1240	270.0	0.00	1805	19.7	0.01	2330	12.0	0.00
1245	233.0	0.00	1810	19.7	0.01	2335	12.0	0.00
1250	209.0	0.00	1815	19.7	0.01	2340	11.7	0.00
1255	180.0	0.01	1820	20.1	0.00	2345	11.7	0.00
1300	164.0	0.01	1825	20.1	0.00	2350	11.4	0.00
1305	153.0	0.01	1830	20.1	0.00	2355	11.4	0.00
1310	145.0	0.01	1835	20.6	0.00	March 20, 1986		
1315	134.0	0.00	1840	20.6	0.00	0000	11.4	0.00
1320	127.0	0.02	1845	21.0	0.00	0005	11.1	0.00
1325	122.0	0.01	1850	21.5	0.01	0010	11.1	0.00
1330	115.0	0.00	1855	22.0	0.00	0015	10.8	0.00
1335	114.0	0.00	1900	22.8	0.00	0020	10.8	0.00
1340	109.0	0.00	1905	22.8	0.00	0025	10.8	0.00
1345	104.0	0.01	1910	23.7	0.00	0030	10.5	0.00
1350	101.0	0.00	1915	23.7	0.00	0035	10.5	0.00
1355	100.0	0.00	1920	24.1	0.00	0040	10.2	0.00
1400	97.2	0.00	1925	24.6	0.00	0045	10.2	0.00
1405	92.4	0.00	1930	24.6	0.00	0050	10.2	0.00
1410	89.1	0.00	1935	24.6	0.00	0055	9.9	0.00
1415	85.1	0.00	1940	24.1	0.00	0100	9.9	0.00
1420	81.2	0.00	1945	23.7	0.00	0105	9.9	0.00
1425	77.5	0.01	1950	23.3	0.00	0110	9.7	0.00
1430	73.1	0.00	1955	22.4	0.00	0115	9.7	0.00
1435	69.4	0.00	2000	21.5	0.00	0120	9.7	0.00
1440	66.3	0.00	2005	20.6	0.00	0125	9.7	0.00
1445	63.9	0.00	2010	20.1	0.00	0130	9.4	0.00
1450	61.0	0.00	2015	19.7	0.00	0135	9.4	0.00
1455	58.7	0.00	2020	18.8	0.00	0140	9.4	0.00
1500	56.5	0.00	2025	18.3	0.00	0145	9.4	0.00
1505	53.7	0.00	2030	17.9	0.00	0150	9.1	0.00
1510	52.1	0.00	2035	17.5	0.00	0155	9.1	0.00
1515	50.0	0.00	2040	17.1	0.00	0200	9.1	0.00
1520	48.0	0.00	2045	16.7	0.01	0205	9.1	0.00
1525	44.7	0.00	2050	16.3	0.00	0210	8.9	0.00
1530	43.4	0.00	2055	16.3	0.00	0215	8.9	0.00
1535	41.5	0.00	2100	15.9	0.00	0220	8.9	0.00
1540	39.7	0.00	2105	15.5	0.00	0225	8.9	0.00
1545	37.9	0.00	2110	15.5	0.01	0230	8.6	0.00
1550	36.8	0.00	2115	15.1	0.00	0235	8.6	0.00
1555	35.7	0.00	2120	15.1	0.00	0240	8.6	0.00
1600	34.0	0.00	2125	15.1	0.00	0245	8.6	0.00
1605	32.9	0.00	2130	15.1	0.00	0250	8.4	0.00

Table 22.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, March 19-20, 1986--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0255	8.4	0.00	0320	8.1	0.00	0345	8.1	0.01
0300	8.4	0.00	0325	8.1	0.00	0350	8.1	0.00
0305	8.1	0.00	0330	8.1	0.00	0355	8.1	0.00
0310	8.1	0.00	0335	8.1	0.00	0400	8.4	0.00
0315	8.1	0.00	0340	8.1	0.00			

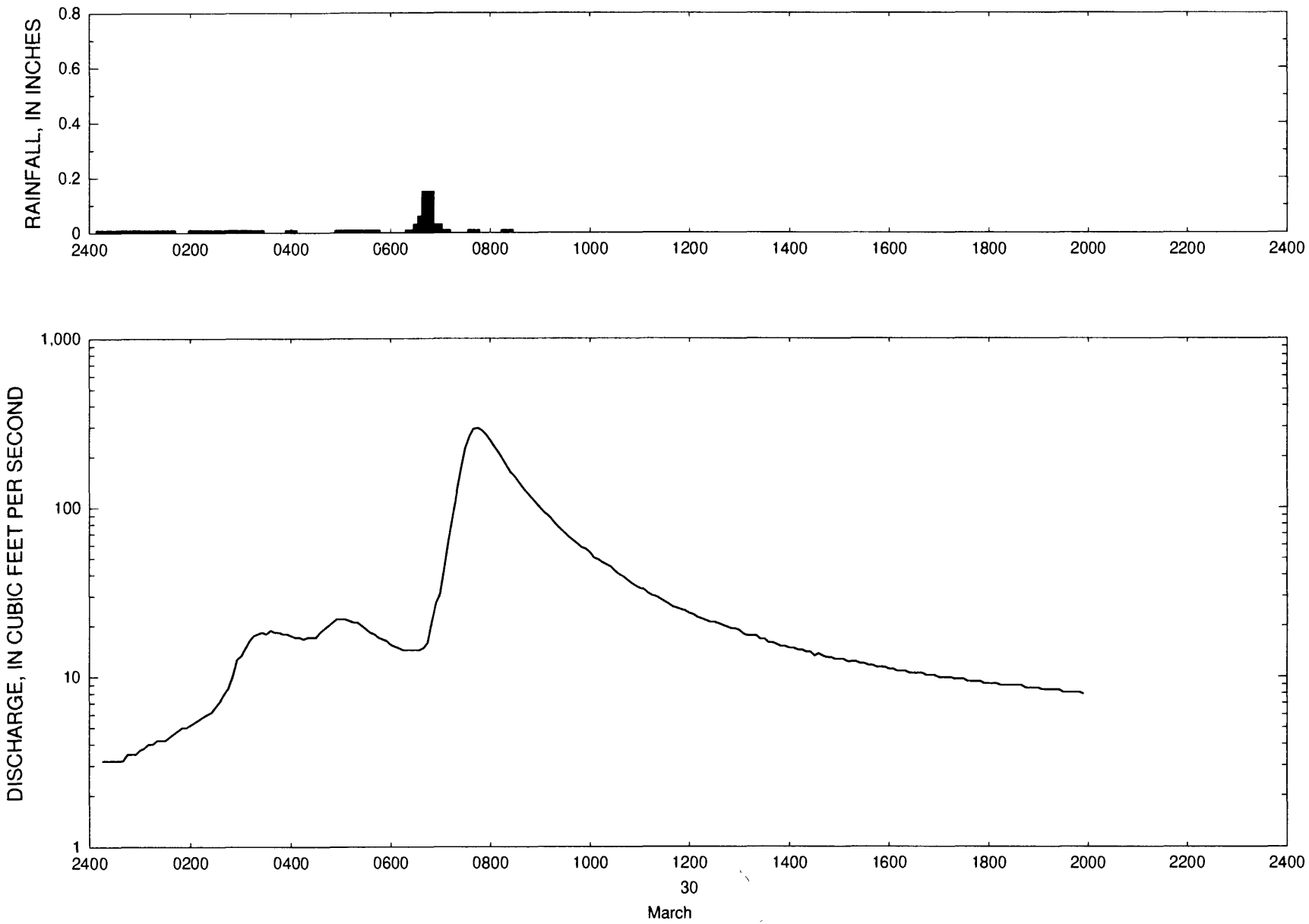


Figure 24.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, March 30, 1987.

Table 23.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, March 30, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
March 30, 1987			0535	18.3	0.00	1100	33.5	0.00
0015	3.2	0.01	0540	17.9	0.01	1105	32.9	0.00
0020	3.2	0.00	0545	17.1	0.00	1110	31.3	0.00
0025	3.2	0.00	0550	16.7	0.00	1115	30.3	0.00
0030	3.2	0.01	0555	16.3	0.00	1120	29.8	0.00
0035	3.2	0.00	0600	15.5	0.00	1125	28.8	0.00
0040	3.2	0.01	0605	15.1	0.00	1130	27.8	0.00
0045	3.5	0.01	0610	14.8	0.00	1135	26.9	0.00
0050	3.5	0.01	0615	14.4	0.00	1140	25.9	0.00
0055	3.5	0.01	0620	14.4	0.00	1145	25.5	0.00
0100	3.7	0.00	0625	14.4	0.01	1150	25.0	0.00
0105	3.8	0.01	0630	14.4	0.01	1155	24.6	0.00
0110	4.0	0.01	0635	14.4	0.03	1200	23.7	0.00
0115	4.0	0.01	0640	14.8	0.06	1205	23.3	0.00
0120	4.2	0.01	0645	15.9	0.15	1210	22.4	0.00
0125	4.2	0.01	0650	21.5	0.03	1215	22.0	0.00
0130	4.2	0.00	0655	27.4	0.03	1220	21.5	0.00
0135	4.4	0.01	0700	30.8	0.00	1225	21.0	0.00
0140	4.6	0.00	0705	44.0	0.01	1230	21.0	0.00
0145	4.8	0.00	0710	64.5	0.00	1235	20.6	0.00
0150	5.0	0.00	0715	89.7	0.00	1240	20.1	0.00
0155	5.0	0.00	0720	123.0	0.00	1245	19.7	0.00
0200	5.2	0.00	0725	168.0	0.00	1250	19.2	0.00
0205	5.4	0.01	0730	225.0	0.00	1255	19.2	0.00
0210	5.6	0.00	0735	263.0	0.00	1300	18.8	0.00
0215	5.8	0.00	0740	292.0	0.01	1305	17.9	0.00
0220	6.0	0.01	0745	296.0	0.00	1310	17.5	0.00
0225	6.2	0.00	0750	287.0	0.00	1315	17.5	0.00
0230	6.7	0.01	0755	271.0	0.00	1320	17.5	0.00
0235	7.2	0.00	0800	251.0	0.00	1325	16.7	0.00
0240	7.9	0.01	0805	230.0	0.00	1330	16.7	0.00
0245	8.6	0.00	0810	212.0	0.00	1335	15.9	0.00
0250	10.2	0.01	0815	194.0	0.00	1340	15.9	0.00
0255	12.7	0.01	0820	177.0	0.01	1345	15.5	0.00
0300	13.3	0.00	0825	161.0	0.00	1350	15.1	0.00
0305	14.8	0.00	0830	152.0	0.00	1355	15.1	0.00
0310	16.3	0.01	0835	141.0	0.00	1400	14.8	0.00
0315	17.5	0.00	0840	131.0	0.00	1405	14.8	0.00
0320	17.9	0.01	0845	122.0	0.00	1410	14.4	0.00
0325	18.3	0.00	0850	114.0	0.00	1415	14.4	0.00
0330	17.9	0.00	0855	107.0	0.00	1420	14.0	0.00
0335	18.8	0.00	0900	100.0	0.00	1425	14.0	0.00
0340	18.3	0.00	0905	93.8	0.00	1430	13.3	0.00
0345	18.3	0.00	0910	89.7	0.00	1435	13.7	0.00
0350	17.9	0.00	0915	83.8	0.00	1440	13.3	0.00
0355	17.9	0.00	0920	78.7	0.00	1445	13.0	0.00
0400	17.5	0.01	0925	74.4	0.00	1450	13.0	0.00
0405	17.1	0.00	0930	70.6	0.00	1455	12.7	0.00
0410	17.1	0.00	0935	66.9	0.00	1500	12.7	0.00
0415	16.7	0.00	0940	63.9	0.00	1505	12.7	0.00
0420	17.1	0.00	0945	61.0	0.00	1510	12.3	0.00
0425	17.1	0.00	0950	58.1	0.00	1515	12.3	0.00
0430	17.1	0.00	0955	57.0	0.00	1520	12.3	0.00
0435	18.3	0.00	1000	54.3	0.00	1525	12.0	0.00
0440	19.2	0.00	1005	50.5	0.00	1530	12.0	0.00
0445	20.1	0.00	1010	49.3	0.00	1535	11.7	0.00
0450	21.0	0.00	1015	47.3	0.00	1540	11.7	0.00
0455	22.0	0.00	1020	46.0	0.00	1545	11.4	0.00
0500	22.0	0.01	1025	44.7	0.00	1550	11.4	0.00
0505	22.0	0.00	1030	42.1	0.00	1555	11.4	0.00
0510	21.5	0.00	1035	40.3	0.00	1600	11.1	0.00
0515	21.0	0.01	1040	39.1	0.00	1605	11.1	0.00
0520	21.0	0.01	1045	37.4	0.00	1610	10.8	0.00
0525	20.1	0.00	1050	35.7	0.00	1615	10.8	0.00
0530	19.2	0.01	1055	34.5	0.00	1620	10.8	0.00

Table 23.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, March 30, 1987--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1625	10.5	0.00	1740	9.4	0.00	1855	8.6	0.00
1630	10.5	0.00	1745	9.4	0.00	1900	8.6	0.00
1635	10.5	0.00	1750	9.4	0.00	1905	8.4	0.00
1640	10.5	0.00	1755	9.1	0.00	1910	8.4	0.00
1645	10.2	0.00	1800	9.1	0.00	1915	8.4	0.00
1650	10.2	0.00	1805	9.1	0.00	1920	8.4	0.00
1655	10.2	0.00	1810	9.1	0.00	1925	8.4	0.00
1700	9.9	0.00	1815	8.9	0.00	1930	8.1	0.00
1705	9.9	0.00	1820	8.9	0.00	1935	8.1	0.00
1710	9.9	0.00	1825	8.9	0.00	1940	8.1	0.00
1715	9.9	0.00	1830	8.9	0.00	1945	8.1	0.00
1720	9.7	0.00	1835	8.9	0.00	1950	8.1	0.00
1725	9.7	0.00	1840	8.9	0.00	1955	7.9	0.00
1730	9.7	0.00	1845	8.6	0.00	2000	7.9	0.00
1735	9.4	0.00	1850	8.6	0.00			

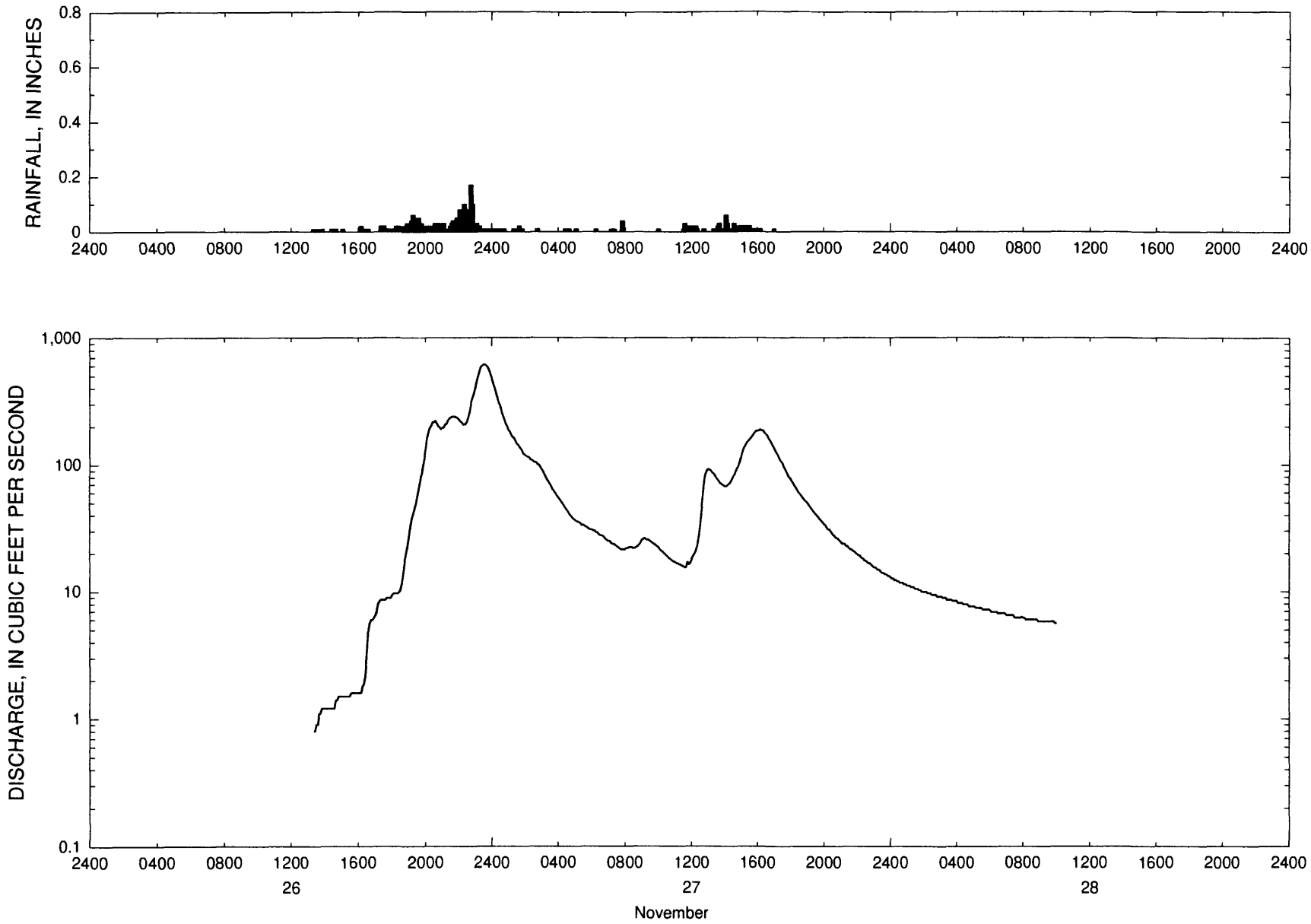


Figure 25.--Streamflow and rainfall at station 02145340, Little Dutchman Creek tributary at Rock Hill, November 26-28, 1987.

Table 24.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, November 26-28, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
November 26, 1987			1840	14.0	0.01	0000	479.0	0.00
1320	0.8	0.01	1845	17.1	0.02	0005	439.0	0.00
1325	0.8	0.00	1850	19.7	0.01	0010	404.0	0.01
1330	0.9	0.01	1855	22.4	0.03	0015	371.0	0.01
1335	0.9	0.01	1900	26.9	0.02	0020	338.0	0.01
1340	1.1	0.00	1905	32.4	0.00	0025	310.0	0.00
1345	1.1	0.00	1910	37.4	0.04	0030	288.0	0.01
1350	1.2	0.01	1915	40.9	0.06	0035	260.0	0.01
1355	1.2	0.00	1920	44.7	0.04	0040	242.0	0.00
1400	1.2	0.00	1925	48.0	0.02	0045	227.0	0.01
1405	1.2	0.00	1930	54.8	0.02	0050	211.0	0.00
1410	1.2	0.00	1935	62.7	0.05	0055	202.0	0.00
1415	1.2	0.00	1940	71.8	0.03	0100	189.0	0.00
1420	1.2	0.00	1945	83.8	0.03	0105	183.0	0.00
1425	1.2	0.01	1950	98.6	0.02	0110	174.0	0.00
1430	1.2	0.01	1955	113.0	0.02	0115	166.0	0.00
1435	1.2	0.01	2000	133.0	0.01	0120	164.0	0.01
1440	1.4	0.01	2005	162.0	0.02	0125	155.0	0.01
1445	1.4	0.00	2010	181.0	0.02	0130	148.0	0.01
1450	1.5	0.00	2015	196.0	0.02	0135	144.0	0.01
1455	1.5	0.00	2020	204.0	0.02	0140	139.0	0.02
1500	1.5	0.00	2025	219.0	0.02	0145	134.0	0.01
1505	1.5	0.01	2030	217.0	0.02	0150	130.0	0.01
1510	1.5	0.00	2035	223.0	0.03	0155	122.0	0.00
1515	1.5	0.00	2040	212.0	0.02	0200	120.0	0.00
1520	1.5	0.00	2045	202.0	0.03	0205	117.0	0.00
1525	1.5	0.00	2050	199.0	0.01	0210	116.0	0.00
1530	1.5	0.00	2055	191.0	0.02	0215	114.0	0.00
1535	1.6	0.00	2100	196.0	0.01	0220	110.0	0.00
1540	1.6	0.00	2105	197.0	0.03	0225	109.0	0.00
1545	1.6	0.00	2110	208.0	0.01	0230	106.0	0.00
1550	1.6	0.00	2115	211.0	0.00	0235	105.0	0.00
1555	1.6	0.00	2120	224.0	0.00	0240	105.0	0.00
1600	1.6	0.00	2125	232.0	0.00	0245	101.0	0.01
1605	1.6	0.00	2130	237.0	0.02	0250	100.0	0.00
1610	1.6	0.02	2135	239.0	0.03	0255	95.8	0.00
1615	1.8	0.01	2140	241.0	0.04	0300	92.4	0.00
1620	1.9	0.01	2145	240.0	0.02	0305	88.4	0.00
1625	2.2	0.01	2150	238.0	0.02	0310	83.8	0.00
1630	3.2	0.01	2155	234.0	0.05	0315	80.6	0.00
1635	4.8	0.01	2200	228.0	0.01	0320	76.2	0.00
1640	5.6	0.00	2205	220.0	0.08	0325	73.1	0.00
1645	6.0	0.00	2210	217.0	0.05	0330	70.6	0.00
1650	6.0	0.00	2215	208.0	0.06	0335	67.5	0.00
1655	6.2	0.00	2220	208.0	0.10	0340	63.9	0.00
1700	6.5	0.00	2225	211.0	0.02	0345	62.2	0.00
1705	6.9	0.00	2230	221.0	0.01	0350	59.9	0.00
1710	7.9	0.00	2235	241.0	0.01	0355	57.6	0.00
1715	8.4	0.00	2240	269.0	0.08	0400	55.4	0.00
1720	8.6	0.02	2245	305.0	0.17	0405	53.7	0.00
1725	8.6	0.02	2250	336.0	0.10	0410	51.6	0.00
1730	8.6	0.02	2255	361.0	0.03	0415	50.0	0.00
1735	8.6	0.01	2300	400.0	0.02	0420	48.0	0.00
1740	8.9	0.01	2305	456.0	0.03	0425	46.0	0.01
1745	8.9	0.00	2310	501.0	0.01	0430	44.0	0.01
1750	8.9	0.01	2315	551.0	0.02	0435	42.8	0.00
1755	8.9	0.00	2320	591.0	0.01	0440	40.9	0.01
1800	9.4	0.01	2325	604.0	0.00	0445	39.7	0.00
1805	9.7	0.01	2330	618.0	0.01	0450	38.5	0.00
1810	9.7	0.01	2335	616.0	0.00	0455	37.4	0.00
1815	9.7	0.02	2340	604.0	0.01	0500	36.8	0.00
1820	9.7	0.02	2345	585.0	0.01	0505	35.7	0.01
1825	9.9	0.01	2350	556.0	0.01	0510	35.7	0.00
1830	10.5	0.02	2355	516.0	0.01	0515	35.1	0.00
1835	11.7	0.02	November 27, 1987			0520	34.5	0.00

Table 24.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, November 26-28, 1987--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
0525	33.5	0.00	1050	17.5	0.00	1615	186.0	0.00
0530	33.5	0.00	1055	17.1	0.00	1620	186.0	0.00
0535	32.9	0.00	1100	17.1	0.00	1625	179.0	0.00
0540	32.4	0.00	1105	16.7	0.00	1630	174.0	0.00
0545	31.9	0.00	1110	16.7	0.00	1635	171.0	0.00
0550	31.3	0.00	1115	16.3	0.00	1640	162.0	0.00
0555	30.8	0.00	1120	16.3	0.00	1645	156.0	0.00
0600	30.8	0.00	1125	15.9	0.00	1650	149.0	0.00
0605	30.3	0.00	1130	15.9	0.01	1655	142.0	0.00
0610	30.3	0.00	1135	15.5	0.03	1700	136.0	0.01
0615	29.3	0.01	1140	15.5	0.01	1705	129.0	0.00
0620	29.3	0.00	1145	17.1	0.01	1710	123.0	0.00
0625	28.3	0.00	1150	16.3	0.02	1715	117.0	0.00
0630	27.8	0.00	1155	16.7	0.02	1720	110.0	0.00
0635	27.8	0.00	1200	17.9	0.02	1725	106.0	0.00
0640	27.4	0.00	1205	18.8	0.00	1730	103.0	0.00
0645	26.9	0.00	1210	19.7	0.01	1735	96.5	0.00
0650	25.9	0.00	1215	20.6	0.02	1740	92.4	0.00
0655	25.5	0.00	1220	22.4	0.01	1745	87.7	0.00
0700	25.0	0.00	1225	25.5	0.00	1750	83.2	0.00
0705	25.0	0.00	1230	30.8	0.00	1755	80.6	0.00
0710	24.1	0.01	1235	39.1	0.00	1800	77.5	0.00
0715	23.7	0.00	1240	51.6	0.00	1805	73.7	0.00
0720	23.7	0.01	1245	68.1	0.01	1810	71.2	0.00
0725	23.3	0.00	1250	83.8	0.00	1815	68.2	0.00
0730	22.8	0.00	1255	91.1	0.00	1820	65.7	0.00
0735	22.4	0.00	1300	92.4	0.00	1825	62.7	0.00
0740	22.0	0.00	1305	91.9	0.00	1830	60.4	0.00
0745	21.5	0.00	1310	89.7	0.00	1835	58.7	0.00
0750	21.5	0.04	1315	86.4	0.00	1840	57.0	0.00
0755	21.5	0.00	1320	85.1	0.01	1845	54.8	0.00
0800	21.5	0.00	1325	81.9	0.01	1850	53.2	0.00
0805	22.0	0.00	1330	79.3	0.01	1855	51.6	0.00
0810	22.0	0.00	1335	76.2	0.02	1900	50.5	0.00
0815	22.4	0.00	1340	73.7	0.03	1905	48.6	0.00
0820	22.4	0.00	1345	71.2	0.01	1910	46.6	0.00
0825	22.4	0.00	1350	70.0	0.01	1915	44.7	0.00
0830	22.0	0.00	1355	68.7	0.00	1920	43.4	0.00
0835	22.0	0.00	1400	67.5	0.01	1925	42.1	0.00
0840	22.4	0.00	1405	66.9	0.06	1930	40.9	0.00
0845	22.8	0.00	1410	68.1	0.03	1935	39.7	0.00
0850	23.3	0.00	1415	70.0	0.01	1940	38.5	0.00
0855	24.1	0.00	1420	71.2	0.01	1945	37.4	0.00
0900	25.5	0.00	1425	74.4	0.01	1950	36.2	0.00
0905	25.9	0.00	1430	78.7	0.01	1955	35.1	0.00
0910	26.4	0.00	1435	83.2	0.03	2000	34.0	0.00
0915	25.9	0.00	1440	88.4	0.01	2005	33.5	0.00
0920	25.5	0.00	1445	93.8	0.02	2010	31.9	0.00
0925	25.5	0.00	1450	97.9	0.02	2015	30.8	0.00
0930	25.0	0.00	1455	107.0	0.01	2020	30.8	0.00
0935	24.6	0.00	1500	117.0	0.02	2025	29.8	0.00
0940	24.1	0.00	1505	125.0	0.01	2030	28.8	0.00
0945	23.7	0.00	1510	135.0	0.01	2035	27.8	0.00
0950	23.3	0.00	1515	141.0	0.02	2040	27.4	0.00
0955	22.8	0.00	1520	149.0	0.01	2045	26.4	0.00
1000	22.4	0.01	1525	153.0	0.01	2050	26.4	0.00
1005	21.5	0.00	1530	157.0	0.02	2055	25.5	0.00
1010	21.0	0.00	1535	162.0	0.00	2100	25.0	0.00
1015	20.6	0.00	1540	168.0	0.00	2105	24.1	0.00
1020	20.1	0.00	1545	174.0	0.00	2110	23.7	0.00
1025	19.7	0.00	1550	181.0	0.01	2115	23.7	0.00
1030	19.2	0.00	1555	185.0	0.01	2120	22.8	0.00
1035	18.8	0.00	1600	185.0	0.00	2125	22.8	0.00
1040	18.3	0.00	1605	186.0	0.00	2130	22.0	0.00
1045	17.9	0.00	1610	190.0	0.01	2135	21.5	0.00

Table 24.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, November 26-28, 1987--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
2140	21.5	0.00	0145	10.2	0.00	0555	7.2	0.00
2145	21.0	0.00	0150	10.2	0.00	0600	7.2	0.00
2150	20.6	0.00	0155	9.9	0.00	0605	6.9	0.00
2155	20.1	0.00	0200	9.9	0.00	0610	6.9	0.00
2200	19.7	0.00	0205	9.9	0.00	0615	6.9	0.00
2205	19.2	0.00	0210	9.9	0.00	0620	6.9	0.00
2210	19.2	0.00	0215	9.7	0.00	0625	6.9	0.00
2215	18.3	0.00	0220	9.7	0.00	0630	6.7	0.00
2220	18.3	0.00	0225	9.7	0.00	0635	6.7	0.00
2225	17.5	0.00	0230	9.4	0.00	0640	6.7	0.00
2230	17.5	0.00	0235	9.4	0.00	0645	6.7	0.00
2235	17.1	0.00	0240	9.4	0.00	0650	6.7	0.00
2240	16.7	0.00	0245	9.4	0.00	0655	6.7	0.00
2245	16.7	0.00	0250	9.1	0.00	0700	6.5	0.00
2250	16.3	0.00	0255	9.1	0.00	0705	6.5	0.00
2255	15.9	0.00	0300	9.1	0.00	0710	6.5	0.00
2300	15.5	0.00	0305	9.1	0.00	0715	6.5	0.00
2305	15.5	0.00	0310	8.9	0.00	0720	6.5	0.00
2310	15.1	0.00	0315	8.9	0.00	0725	6.5	0.00
2315	14.8	0.00	0320	8.9	0.00	0730	6.2	0.00
2320	14.8	0.00	0325	8.6	0.00	0735	6.2	0.00
2325	14.4	0.00	0330	8.6	0.00	0740	6.2	0.00
2330	14.0	0.00	0335	8.6	0.00	0745	6.2	0.00
2335	14.0	0.00	0340	8.6	0.00	0750	6.2	0.00
2340	13.7	0.00	0345	8.4	0.00	0755	6.3	0.00
2345	13.7	0.00	0350	8.4	0.00	0800	6.2	0.00
2350	13.3	0.00	0355	8.4	0.00	0805	6.2	0.00
2355	13.3	0.00	0400	8.4	0.00	0810	6.0	0.00
November 28,	1987		0405	8.1	0.00	0815	6.0	0.00
0000	13.0	0.00	0410	8.1	0.00	0820	6.0	0.00
0005	12.7	0.00	0415	8.1	0.00	0825	6.0	0.00
0010	12.7	0.00	0420	8.1	0.00	0830	6.0	0.00
0015	12.3	0.00	0425	7.9	0.00	0835	6.0	0.00
0020	12.3	0.00	0430	7.9	0.00	0840	6.0	0.00
0025	12.0	0.00	0435	7.9	0.00	0845	6.0	0.00
0030	12.0	0.00	0440	7.9	0.00	0850	6.0	0.00
0035	11.7	0.00	0445	7.6	0.00	0855	5.8	0.00
0040	11.7	0.00	0450	7.6	0.00	0900	5.8	0.00
0045	11.7	0.00	0455	7.6	0.00	0905	5.8	0.00
0050	11.4	0.00	0500	7.6	0.00	0910	5.8	0.00
0055	11.4	0.00	0505	7.6	0.00	0915	5.8	0.00
0100	11.1	0.00	0510	7.4	0.00	0920	5.8	0.00
0105	11.1	0.00	0515	7.4	0.00	0925	5.8	0.00
0110	11.1	0.00	0520	7.4	0.00	0930	5.8	0.00
0115	10.8	0.00	0525	7.4	0.00	0935	5.8	0.00
0120	10.8	0.00	0530	7.4	0.00	0940	5.8	0.00
0125	10.8	0.00	0535	7.2	0.00	0945	5.8	0.00
0130	10.5	0.00	0540	7.2	0.00	0950	5.8	0.00
0135	10.5	0.00	0545	7.2	0.00	0955	5.6	0.00
0140	10.5	0.00	0550	7.2	0.00	1000	5.6	0.00

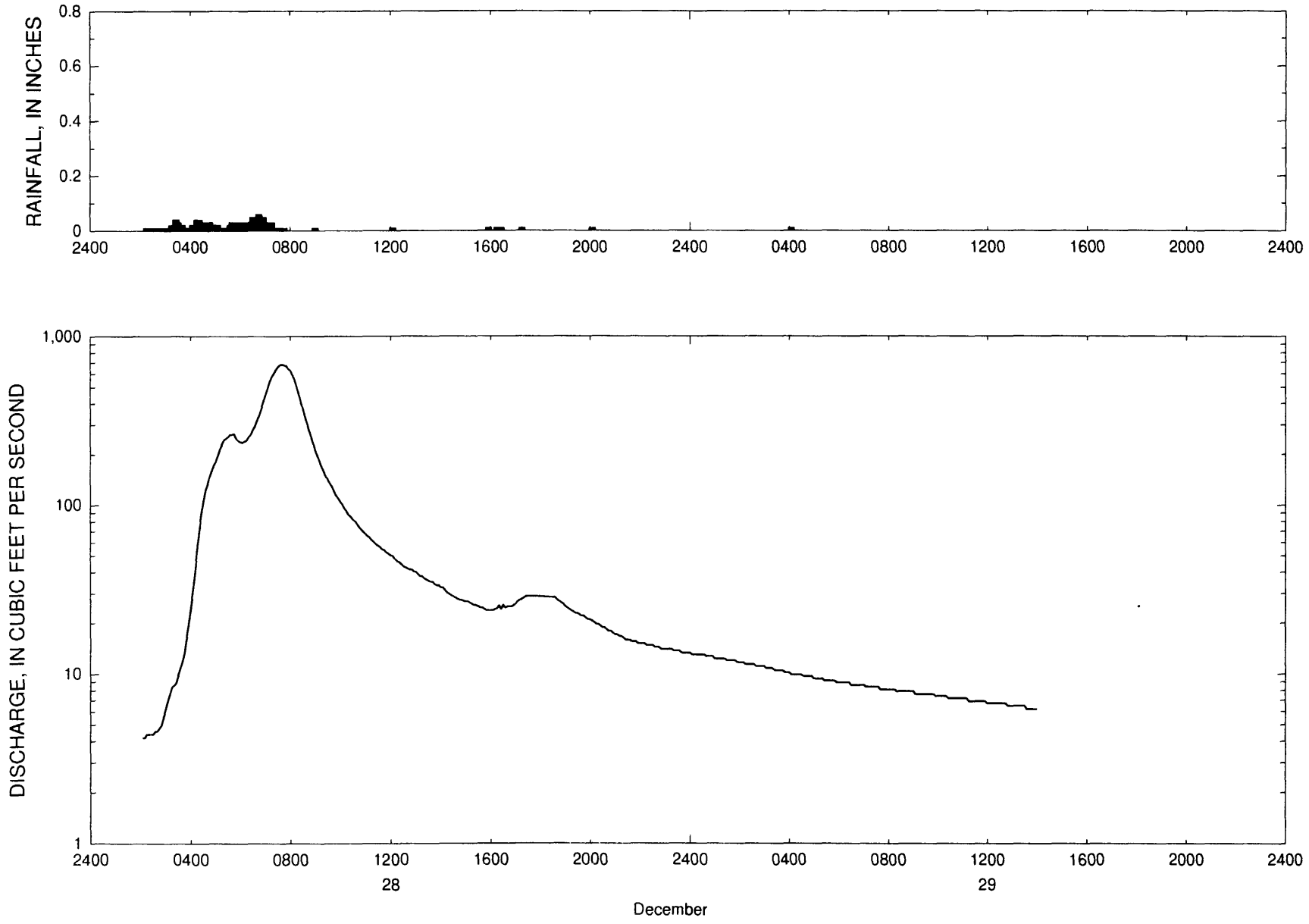


Figure 26.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, December 28-29, 1987.

Table 25.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, December 28-29, 1987

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
December 28, 1987			0720	604.0	0.01	1245	41.5	0.00
0200	4.0	0.01	0725	637.0	0.01	1250	41.5	0.00
0205	4.2	0.00	0730	659.0	0.00	1255	40.3	0.00
0210	4.2	0.00	0735	678.0	0.01	1300	40.3	0.00
0215	4.4	0.01	0740	685.0	0.00	1305	39.1	0.00
0220	4.4	0.00	0745	681.0	0.01	1310	37.9	0.00
0225	4.4	0.01	0750	674.0	0.00	1315	37.9	0.00
0230	4.4	0.00	0755	643.0	0.00	1320	36.8	0.00
0235	4.6	0.01	0800	627.0	0.00	1325	36.2	0.00
0240	4.6	0.01	0805	591.0	0.00	1330	35.7	0.00
0245	4.8	0.00	0810	553.0	0.00	1335	35.1	0.00
0250	5.0	0.01	0815	507.0	0.00	1340	35.1	0.00
0255	5.6	0.00	0820	462.0	0.00	1345	34.0	0.00
0300	6.2	0.01	0825	420.0	0.00	1350	33.5	0.00
0305	6.9	0.01	0830	377.0	0.00	1355	33.5	0.00
0310	7.6	0.01	0835	339.0	0.00	1400	32.4	0.00
0315	8.4	0.02	0840	308.0	0.00	1405	32.4	0.00
0320	8.6	0.02	0845	278.0	0.00	1410	31.3	0.00
0325	8.9	0.04	0850	257.0	0.00	1415	30.3	0.00
0330	9.9	0.03	0855	235.0	0.00	1420	29.8	0.00
0335	10.8	0.02	0900	211.0	0.01	1425	29.3	0.00
0340	11.7	0.02	0905	196.0	0.00	1430	28.8	0.00
0345	13.3	0.01	0910	184.0	0.00	1435	28.3	0.00
0350	16.3	0.01	0915	170.0	0.00	1440	27.8	0.00
0355	19.7	0.01	0920	160.0	0.00	1445	27.4	0.00
0400	24.6	0.01	0925	149.0	0.00	1450	27.4	0.00
0405	31.3	0.02	0930	144.0	0.00	1455	27.0	0.00
0410	40.3	0.02	0935	135.0	0.00	1500	26.9	0.00
0415	54.8	0.04	0940	129.0	0.00	1505	26.9	0.00
0420	70.6	0.04	0945	121.0	0.00	1510	26.4	0.00
0425	87.7	0.03	0950	114.0	0.00	1515	25.9	0.00
0430	105.0	0.02	0955	110.0	0.00	1520	25.5	0.00
0435	124.0	0.03	1000	105.0	0.00	1525	25.5	0.00
0440	134.0	0.03	1005	101.0	0.00	1530	25.0	0.00
0445	148.0	0.03	1010	95.8	0.00	1535	24.6	0.00
0450	160.0	0.02	1015	92.4	0.00	1540	24.6	0.00
0455	173.0	0.01	1020	87.7	0.00	1545	24.1	0.00
0500	182.0	0.01	1025	85.8	0.00	1550	23.7	0.00
0505	197.0	0.02	1030	82.5	0.00	1555	23.7	0.01
0510	215.0	0.01	1035	80.6	0.00	1600	23.7	0.00
0515	228.0	0.01	1040	77.5	0.00	1605	23.7	0.00
0520	243.0	0.00	1045	74.4	0.00	1610	24.1	0.00
0525	249.0	0.01	1050	71.8	0.00	1615	24.4	0.01
0530	254.0	0.00	1055	69.4	0.00	1620	25.4	0.01
0535	262.0	0.02	1100	67.5	0.00	1625	24.1	0.01
0540	263.0	0.03	1105	65.7	0.00	1630	25.6	0.00
0545	266.0	0.03	1110	64.5	0.00	1635	24.6	0.00
0550	250.0	0.03	1115	62.2	0.00	1640	25.0	0.00
0555	242.0	0.03	1120	60.4	0.00	1645	25.0	0.00
0600	238.0	0.03	1125	58.7	0.00	1650	25.0	0.00
0605	236.0	0.02	1130	57.6	0.00	1655	25.5	0.00
0610	240.0	0.03	1135	56.5	0.00	1700	25.9	0.00
0615	243.0	0.03	1140	54.8	0.00	1705	26.9	0.00
0620	254.0	0.03	1145	54.3	0.00	1710	27.4	0.00
0625	263.0	0.03	1150	52.6	0.00	1715	27.8	0.01
0630	280.0	0.05	1155	51.6	0.00	1720	28.3	0.00
0635	295.0	0.04	1200	50.5	0.00	1725	28.8	0.00
0640	319.0	0.05	1205	50.0	0.01	1730	28.8	0.00
0645	341.0	0.06	1210	48.0	0.00	1735	28.8	0.00
0650	371.0	0.04	1215	46.6	0.00	1740	28.8	0.00
0655	408.0	0.05	1220	46.0	0.00	1745	28.8	0.00
0700	446.0	0.03	1225	44.7	0.00	1750	28.8	0.00
0705	486.0	0.02	1230	43.4	0.00	1755	28.8	0.00
0710	533.0	0.02	1235	42.8	0.00	1800	28.8	0.00
0715	575.0	0.03	1240	42.2	0.00	1805	28.7	0.00

Table 25.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, December 28-29, 1987--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1810	28.7	0.00	2335	13.7	0.00	0455	9.7	0.00
1815	28.6	0.00	2340	13.3	0.00	0500	9.4	0.00
1820	28.6	0.00	2345	13.3	0.00	0505	9.4	0.00
1825	28.5	0.00	2350	13.3	0.00	0510	9.4	0.00
1830	28.5	0.00	2355	13.3	0.00	0515	9.4	0.00
1835	28.3	0.00	December 29, 1987			0520	9.4	0.00
1840	27.4	0.00	0000	13.3	0.00	0525	9.1	0.00
1845	26.9	0.00	0005	13.0	0.00	0530	9.1	0.00
1850	26.4	0.00	0010	13.0	0.00	0535	9.1	0.00
1855	25.9	0.00	0015	13.0	0.00	0540	9.1	0.00
1900	25.0	0.00	0020	13.0	0.00	0545	9.1	0.00
1905	24.6	0.00	0025	13.0	0.00	0550	9.1	0.00
1910	24.1	0.00	0030	13.0	0.00	0555	8.9	0.00
1915	23.7	0.00	0035	13.0	0.00	0600	8.9	0.00
1920	23.3	0.00	0040	12.7	0.00	0605	8.9	0.00
1925	22.8	0.00	0045	12.7	0.00	0610	8.9	0.00
1930	22.8	0.00	0050	12.7	0.00	0615	8.9	0.00
1935	22.4	0.00	0055	12.7	0.00	0620	8.9	0.00
1940	22.0	0.00	0100	12.3	0.00	0625	8.9	0.00
1945	22.0	0.00	0105	12.3	0.00	0630	8.6	0.00
1950	21.5	0.00	0110	12.3	0.00	0635	8.6	0.00
1955	21.0	0.00	0115	12.3	0.00	0640	8.6	0.00
2000	21.0	0.00	0120	12.3	0.00	0645	8.6	0.00
2005	20.6	0.01	0125	12.3	0.00	0650	8.6	0.00
2010	20.1	0.00	0130	12.0	0.00	0655	8.6	0.00
2015	19.7	0.00	0135	12.0	0.00	0700	8.6	0.00
2020	19.7	0.00	0140	12.0	0.00	0705	8.4	0.00
2025	19.2	0.00	0145	12.0	0.00	0710	8.4	0.00
2030	18.8	0.00	0150	12.0	0.00	0715	8.4	0.00
2035	18.8	0.00	0155	11.7	0.00	0720	8.4	0.00
2040	18.3	0.00	0200	11.7	0.00	0725	8.4	0.00
2045	17.9	0.00	0205	11.7	0.00	0730	8.4	0.00
2050	17.9	0.00	0210	11.7	0.00	0735	8.4	0.00
2055	17.5	0.00	0215	11.4	0.00	0740	8.1	0.00
2100	17.1	0.00	0220	11.4	0.00	0745	8.1	0.00
2105	17.1	0.00	0225	11.4	0.00	0750	8.1	0.00
2110	16.7	0.00	0230	11.4	0.00	0755	8.1	0.00
2115	16.7	0.00	0235	11.4	0.00	0800	8.1	0.00
2120	16.3	0.00	0240	11.1	0.00	0805	8.1	0.00
2125	15.9	0.00	0245	11.1	0.00	0810	8.1	0.00
2130	15.9	0.00	0250	11.1	0.00	0815	8.1	0.00
2135	15.9	0.00	0255	11.1	0.00	0820	7.9	0.00
2140	15.5	0.00	0300	11.1	0.00	0825	7.9	0.00
2145	15.5	0.00	0305	10.8	0.00	0830	7.9	0.00
2150	15.5	0.00	0310	10.8	0.00	0835	7.9	0.00
2155	15.1	0.00	0315	10.8	0.00	0840	7.9	0.00
2200	15.1	0.00	0320	10.8	0.00	0845	7.9	0.00
2205	15.1	0.00	0325	10.5	0.00	0850	7.9	0.00
2210	15.1	0.00	0330	10.5	0.00	0855	7.9	0.00
2215	14.8	0.00	0335	10.5	0.00	0900	7.9	0.00
2220	14.8	0.00	0340	10.5	0.00	0905	7.6	0.00
2225	14.8	0.00	0345	10.5	0.00	0910	7.6	0.00
2230	14.8	0.00	0350	10.2	0.00	0915	7.6	0.00
2235	14.4	0.00	0355	10.2	0.00	0920	7.6	0.00
2240	14.4	0.00	0400	10.2	0.00	0925	7.6	0.00
2245	14.4	0.00	0405	9.9	0.01	0930	7.6	0.00
2250	14.0	0.00	0410	9.9	0.00	0935	7.6	0.00
2255	14.0	0.00	0415	9.9	0.00	0940	7.6	0.00
2300	14.0	0.00	0420	9.9	0.00	0945	7.6	0.00
2305	14.0	0.00	0425	9.9	0.00	0950	7.6	0.00
2310	14.0	0.00	0430	9.9	0.00	0955	7.4	0.00
2315	14.0	0.00	0435	9.7	0.00	1000	7.4	0.00
2320	13.7	0.00	0440	9.7	0.00	1005	7.4	0.00
2325	13.7	0.00	0445	9.7	0.00	1010	7.4	0.00
2330	13.7	0.00	0450	9.7	0.00	1015	7.4	0.00

Table 25.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, December 28-29, 1987--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1020	7.4	0.00	1140	6.9	0.00	1300	6.5	0.00
1025	7.2	0.00	1145	6.9	0.00	1305	6.5	0.00
1030	7.2	0.00	1150	6.9	0.00	1310	6.5	0.00
1035	7.2	0.00	1155	6.9	0.00	1315	6.5	0.00
1040	7.2	0.00	1200	6.7	0.00	1320	6.5	0.00
1045	7.2	0.00	1205	6.7	0.00	1325	6.5	0.00
1050	7.2	0.00	1210	6.7	0.00	1330	6.5	0.00
1055	7.2	0.00	1215	6.7	0.00	1335	6.2	0.00
1100	7.2	0.00	1220	6.7	0.00	1340	6.2	0.00
1105	7.2	0.00	1225	6.7	0.00	1345	6.2	0.00
1110	7.2	0.00	1230	6.7	0.00	1350	6.2	0.00
1115	6.9	0.00	1235	6.7	0.00	1355	6.2	0.00
1120	6.9	0.00	1240	6.7	0.00	1400	6.2	0.00
1125	6.9	0.00	1245	6.7	0.00			
1130	6.9	0.00	1250	6.5	0.00			
1135	6.9	0.00	1255	6.5	0.00			

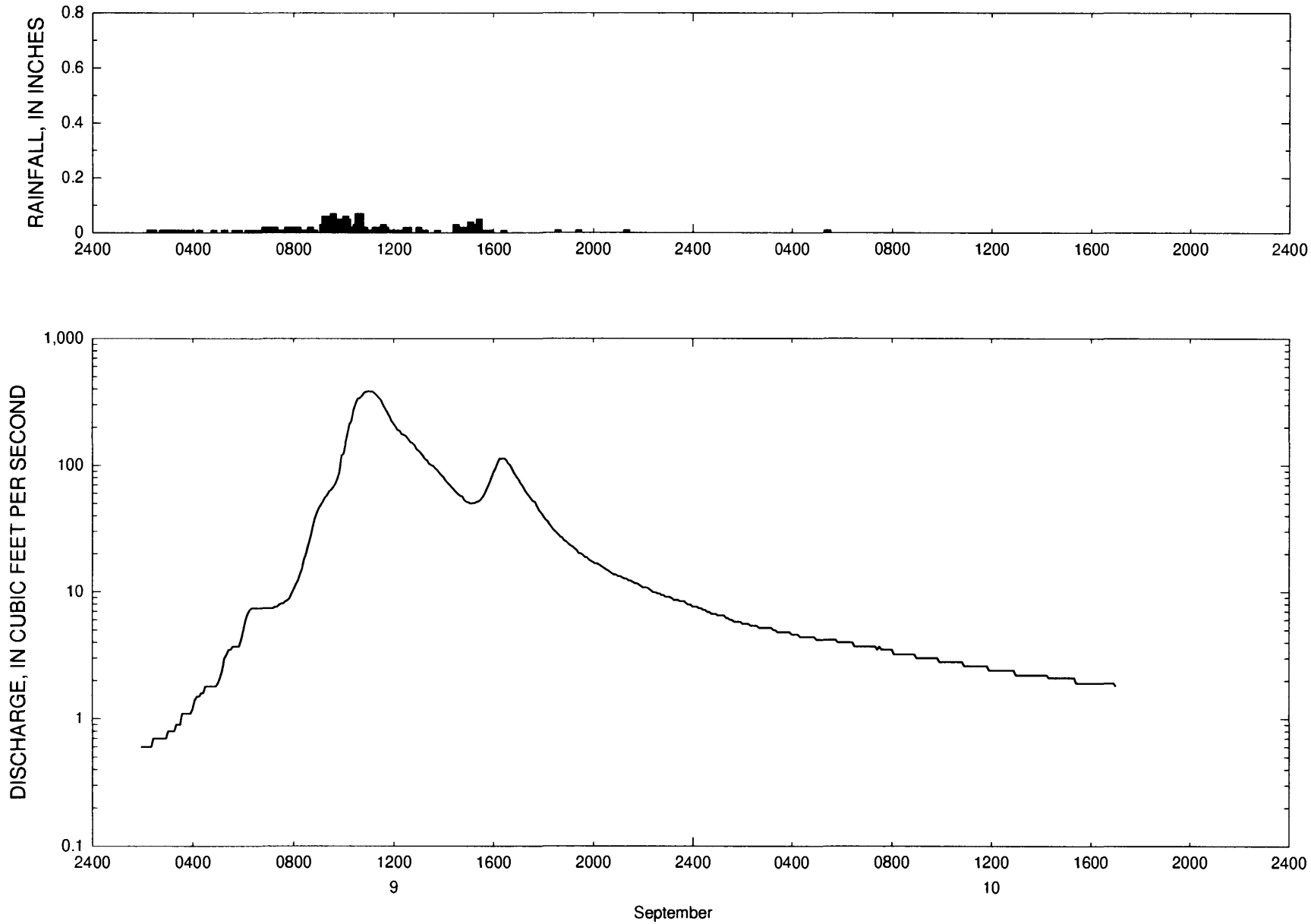


Figure 27.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, September 9-10, 1988.

Table 26.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, September 9-10, 1988

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
September, 9, 1988			0710	7.4	0.01	1235	163.0	0.02
0150	0.6	0.01	0715	7.6	0.02	1240	154.0	0.00
0155	0.6	0.00	0720	7.6	0.00	1245	150.0	0.00
0200	0.6	0.00	0725	7.9	0.01	1250	144.0	0.00
0205	0.6	0.00	0730	8.1	0.01	1255	134.0	0.00
0210	0.6	0.00	0735	8.1	0.01	1300	131.0	0.02
0215	0.6	0.01	0740	8.4	0.01	1305	126.0	0.00
0220	0.6	0.00	0745	8.6	0.02	1310	119.0	0.00
0225	0.7	0.01	0750	8.9	0.02	1315	112.0	0.01
0230	0.7	0.00	0755	9.7	0.02	1320	110.0	0.00
0235	0.7	0.00	0800	10.5	0.02	1325	103.0	0.00
0240	0.7	0.00	0805	11.4	0.02	1330	101.0	0.00
0245	0.7	0.01	0810	12.3	0.02	1335	99.3	0.00
0250	0.7	0.00	0815	13.7	0.01	1340	95.1	0.00
0255	0.7	0.00	0820	15.1	0.00	1345	92.4	0.01
0300	0.8	0.01	0825	17.9	0.01	1350	87.8	0.00
0305	0.8	0.00	0830	20.1	0.01	1355	83.8	0.00
0310	0.8	0.01	0835	23.3	0.01	1400	80.0	0.00
0315	0.8	0.01	0840	26.9	0.02	1405	75.6	0.00
0320	0.9	0.00	0845	31.9	0.01	1410	72.5	0.00
0325	0.9	0.00	0850	37.4	0.01	1415	70.0	0.00
0330	0.9	0.01	0855	41.5	0.00	1420	66.9	0.00
0335	1.1	0.00	0900	45.3	0.00	1425	64.5	0.00
0340	1.1	0.01	0905	48.6	0.00	1430	61.6	0.03
0345	1.1	0.00	0910	51.6	0.03	1435	59.3	0.00
0350	1.1	0.01	0915	55.4	0.06	1440	57.6	0.00
0355	1.1	0.01	0920	58.1	0.05	1445	57.0	0.02
0400	1.2	0.00	0925	62.2	0.03	1450	53.2	0.00
0405	1.4	0.00	0930	63.9	0.06	1455	51.6	0.02
0410	1.5	0.00	0935	67.5	0.07	1500	51.1	0.01
0415	1.5	0.01	0940	71.2	0.05	1505	50.0	0.04
0420	1.6	0.00	0945	78.1	0.04	1510	50.5	0.03
0425	1.6	0.00	0950	88.4	0.04	1515	50.5	0.02
0430	1.8	0.00	0955	120.0	0.05	1520	51.6	0.02
0435	1.8	0.00	1000	124.0	0.04	1525	52.1	0.05
0440	1.8	0.00	1005	149.0	0.06	1530	54.3	0.00
0445	1.8	0.00	1010	175.0	0.05	1535	57.0	0.01
0450	1.8	0.01	1015	210.0	0.01	1540	61.0	0.00
0455	1.8	0.00	1020	224.0	0.01	1545	66.3	0.00
0500	1.9	0.00	1025	275.0	0.02	1550	72.5	0.01
0505	2.1	0.00	1030	308.0	0.03	1555	80.0	0.00
0510	2.4	0.00	1035	336.0	0.07	1600	89.1	0.00
0515	3.0	0.01	1040	341.0	0.07	1605	95.8	0.00
0520	3.2	0.00	1045	354.0	0.02	1610	105.0	0.00
0525	3.5	0.00	1050	376.0	0.02	1615	114.0	0.00
0530	3.5	0.00	1055	382.0	0.00	1620	113.0	0.00
0535	3.7	0.00	1100	385.0	0.01	1625	114.0	0.01
0540	3.7	0.01	1105	382.0	0.01	1630	112.0	0.00
0545	3.7	0.00	1110	382.0	0.00	1635	105.0	0.00
0550	3.7	0.01	1115	370.0	0.02	1640	101.0	0.00
0555	4.2	0.00	1120	355.0	0.02	1645	93.8	0.00
0600	5.0	0.00	1125	340.0	0.02	1650	86.4	0.00
0605	6.0	0.00	1130	327.0	0.02	1655	81.2	0.00
0610	6.7	0.01	1135	302.0	0.03	1700	77.5	0.00
0615	7.2	0.00	1140	281.0	0.02	1705	72.5	0.00
0620	7.4	0.00	1145	265.0	0.00	1710	68.7	0.00
0625	7.4	0.01	1150	245.0	0.01	1715	63.9	0.00
0630	7.4	0.00	1155	224.0	0 01	1720	60.4	0.00
0635	7.4	0.00	1200	214.0	0.00	1725	57.6	0.00
0640	7.4	0 01	1205	203.0	0.01	1730	54.8	0.00
0645	7 4	0.01	1210	191.0	0.01	1735	52.1	0.00
0650	7.4	0.02	1215	188.0	0.00	1740	51.6	0.00
0655	7.4	0.00	1220	177.0	0.00	1745	47.3	0.00
0700	7 4	0 02	1225	175.0	0.01	1750	44.0	0.00
0705	7.4	0.02	1230	171.0	0.02	1755	42.1	0.00

Table 26.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, September 9-10, 1988--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1800	39.7	0.00	2325	8.6	0.00	0445	4.4	0.00
1805	37.4	0.00	2330	8.4	0.00	0450	4.4	0.00
1810	36.2	0.00	2335	8.4	0.00	0455	4.4	0.00
1815	34.0	0.00	2340	8.4	0.00	0500	4.2	0.00
1820	32.4	0.00	2345	8.1	0.00	0505	4.2	0.00
1825	30.8	0.00	2350	7.9	0.00	0510	4.2	0.00
1830	29.8	0.00	2355	7.9	0.00	0515	4.2	0.00
1835	28.8	0.01	September 10, 1988			0520	4.2	0.00
1840	27.4	0.00	0000	7.6	0.00	0525	4.2	0.01
1845	26.9	0.00	0005	7.6	0.00	0530	4.2	0.00
1850	25.5	0.00	0010	7.6	0.00	0535	4.2	0.00
1855	25.0	0.00	0015	7.4	0.00	0540	4.2	0.00
1900	24.1	0.00	0020	7.4	0.00	0545	4.2	0.00
1905	23.3	0.00	0025	7.2	0.00	0550	4.0	0.00
1910	22.8	0.00	0030	7.2	0.00	0555	4.0	0.00
1915	22.0	0.00	0035	6.9	0.00	0600	4.0	0.00
1920	21.5	0.00	0040	6.9	0.00	0605	4.0	0.00
1925	20.1	0.01	0045	6.7	0.00	0610	4.0	0.00
1930	20.1	0.00	0050	6.7	0.00	0615	4.0	0.00
1935	19.7	0.00	0055	6.7	0.00	0620	4.0	0.00
1940	18.8	0.00	0100	6.5	0.00	0625	4.0	0.00
1945	18.8	0.00	0105	6.5	0.00	0630	3.7	0.00
1950	17.9	0.00	0110	6.5	0.00	0635	3.7	0.00
1955	17.5	0.00	0115	6.5	0.00	0640	3.7	0.00
2000	17.1	0.00	0120	6.2	0.00	0645	3.7	0.00
2005	16.7	0.00	0125	6.2	0.00	0650	3.7	0.00
2010	16.7	0.00	0130	6.0	0.00	0655	3.7	0.00
2015	16.3	0.00	0135	6.0	0.00	0700	3.7	0.00
2020	15.9	0.00	0140	5.8	0.00	0705	3.7	0.00
2025	15.5	0.00	0145	5.8	0.00	0710	3.7	0.00
2030	15.1	0.00	0150	5.8	0.00	0715	3.7	0.00
2035	14.8	0.00	0155	5.8	0.00	0720	3.7	0.00
2040	14.4	0.00	0200	5.6	0.00	0725	3.5	0.00
2045	14.0	0.00	0205	5.6	0.00	0730	3.7	0.00
2050	13.7	0.00	0210	5.6	0.00	0735	3.5	0.00
2055	13.7	0.00	0215	5.6	0.00	0740	3.5	0.00
2100	13.3	0.00	0220	5.4	0.00	0745	3.5	0.00
2105	13.3	0.00	0225	5.4	0.00	0750	3.5	0.00
2110	13.0	0.00	0230	5.4	0.00	0755	3.5	0.00
2115	12.7	0.00	0235	5.4	0.00	0800	3.5	0.00
2120	12.7	0.01	0240	5.2	0.00	0805	3.2	0.00
2125	12.3	0.00	0245	5.2	0.00	0810	3.2	0.00
2130	12.3	0.00	0250	5.2	0.00	0815	3.2	0.00
2135	12.0	0.00	0255	5.2	0.00	0820	3.2	0.00
2140	11.7	0.00	0300	5.2	0.00	0825	3.2	0.00
2145	11.7	0.00	0305	5.2	0.00	0830	3.2	0.00
2150	11.4	0.00	0310	5.2	0.00	0835	3.2	0.00
2155	11.1	0.00	0315	5.0	0.00	0840	3.2	0.00
2200	10.8	0.00	0320	5.0	0.00	0845	3.2	0.00
2205	10.8	0.00	0325	4.8	0.00	0850	3.2	0.00
2210	10.8	0.00	0330	4.8	0.00	0855	3.2	0.00
2215	10.5	0.00	0335	4.8	0.00	0900	3.0	0.00
2220	10.2	0.00	0340	4.8	0.00	0905	3.0	0.00
2225	9.9	0.00	0345	4.8	0.00	0910	3.0	0.00
2230	9.9	0.00	0350	4.8	0.00	0915	3.0	0.00
2235	9.7	0.00	0355	4.8	0.00	0920	3.0	0.00
2240	9.7	0.00	0400	4.6	0.00	0925	3.0	0.00
2245	9.4	0.00	0405	4.6	0.00	0930	3.0	0.00
2250	9.4	0.00	0410	4.6	0.00	0935	3.0	0.00
2255	9.1	0.00	0415	4.6	0.00	0940	3.0	0.00
2300	9.1	0.00	0420	4.4	0.00	0945	3.0	0.00
2305	9.1	0.00	0425	4.4	0.00	0950	3.0	0.00
2310	8.9	0.00	0430	4.4	0.00	0955	2.8	0.00
2315	8.6	0.00	0435	4.4	0.00	1000	2.8	0.00
2320	8.6	0.00	0440	4.4	0.00	1005	2.8	0.00

Table 26.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, September 9-10, 1988--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1010	2.8	0.00	1230	2.4	0.00	1450	2.1	0.00
1015	2.8	0.00	1235	2.4	0.00	1455	2.1	0.00
1020	2.8	0.00	1240	2.4	0.00	1500	2.1	0.00
1025	2.8	0.00	1245	2.4	0.00	1505	2.1	0.00
1030	2.8	0.00	1250	2.4	0.00	1510	2.1	0.00
1035	2.8	0.00	1255	2.4	0.00	1515	2.1	0.00
1040	2.8	0.00	1300	2.2	0.00	1520	2.1	0.00
1045	2.8	0.00	1305	2.2	0.00	1525	1.9	0.00
1050	2.8	0.00	1310	2.2	0.00	1530	1.9	0.00
1055	2.6	0.00	1315	2.2	0.00	1535	1.9	0.00
1100	2.6	0.00	1320	2.2	0.00	1540	1.9	0.00
1105	2.6	0.00	1325	2.2	0.00	1545	1.9	0.00
1110	2.6	0.00	1330	2.2	0.00	1550	1.9	0.00
1115	2.6	0.00	1335	2.2	0.00	1555	1.9	0.00
1120	2.6	0.00	1340	2.2	0.00	1600	1.9	0.00
1125	2.6	0.00	1345	2.2	0.00	1605	1.9	0.00
1130	2.6	0.00	1350	2.2	0.00	1610	1.9	0.00
1135	2.6	0.00	1355	2.2	0.00	1615	1.9	0.00
1140	2.6	0.00	1400	2.2	0.00	1620	1.9	0.00
1145	2.6	0.00	1405	2.2	0.00	1625	1.9	0.00
1150	2.6	0.00	1410	2.2	0.00	1630	1.9	0.00
1155	2.4	0.00	1415	2.2	0.00	1635	1.9	0.00
1200	2.4	0.00	1420	2.1	0.00	1640	1.9	0.00
1205	2.4	0.00	1425	2.1	0.00	1645	1.9	0.00
1210	2.4	0.00	1430	2.1	0.00	1650	1.9	0.00
1215	2.4	0.00	1435	2.1	0.00	1655	1.9	0.00
1220	2.4	0.00	1440	2.1	0.00	1700	1.8	0.00
1225	2.4	0.00	1445	2.1	0.00			

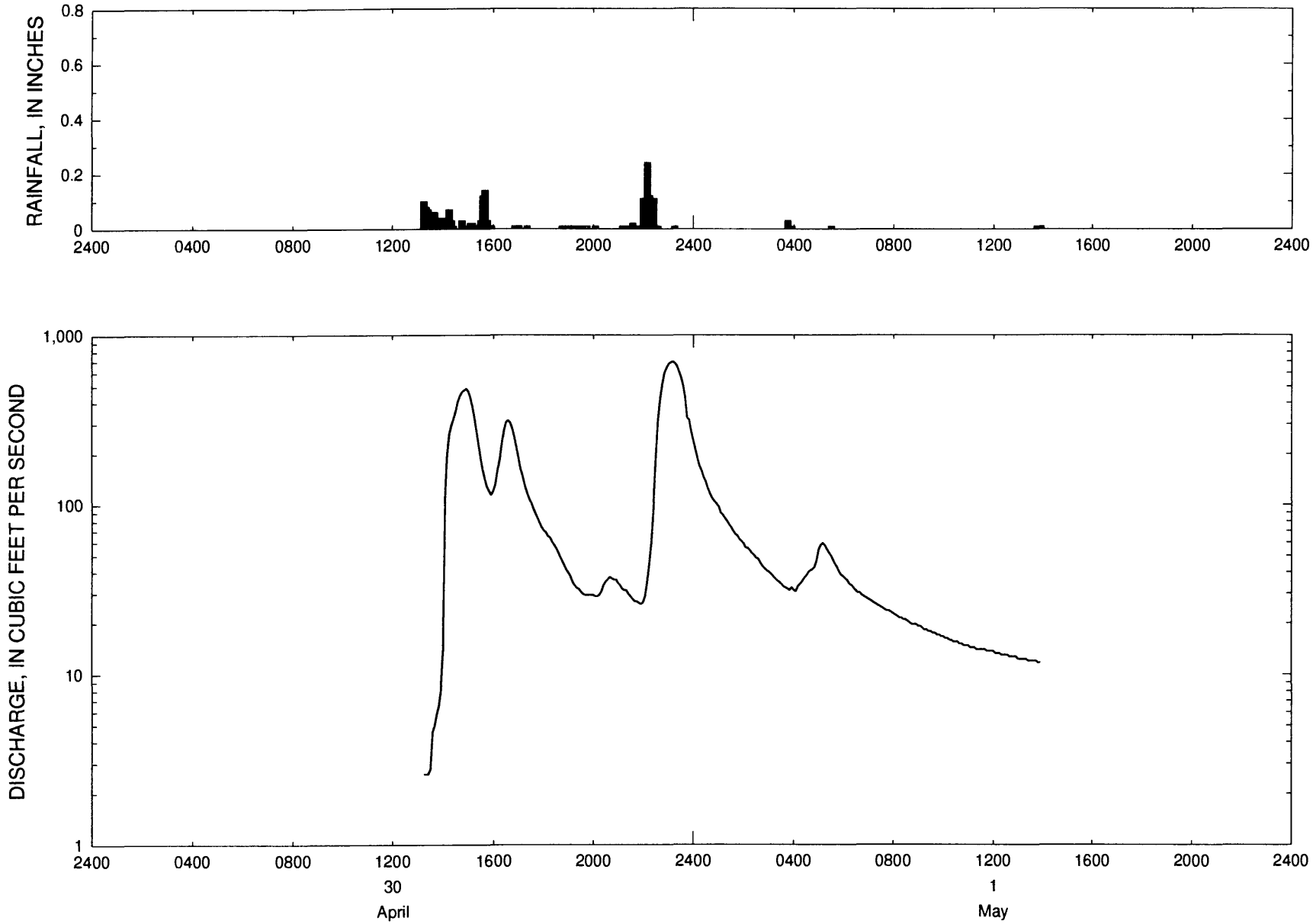


Figure 28.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, April 30 - May 1, 1999.

Table 27.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, April 30 - May 1, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
April 30, 1989			1835	52.6	0.00	May 1, 1989		
1315	2.6	0.10	1840	49.3	0.00	0000	241.0	0.00
1320	2.6	0.08	1845	46.6	0.01	0005	214.0	0.00
1325	2.6	0.07	1850	44.0	0.01	0010	190.0	0.00
1330	2.8	0.03	1855	41.5	0.00	0015	170.0	0.00
1335	4.6	0.01	1900	39.7	0.01	0020	159.0	0.00
1340	5.0	0.06	1905	37.9	0.00	0025	145.0	0.00
1345	5.8	0.04	1910	35.1	0.01	0030	137.0	0.00
1350	6.5	0.02	1915	33.5	0.01	0035	125.0	0.00
1355	8.1	0.03	1920	32.4	0.00	0040	117.0	0.00
1400	13.7	0.04	1925	31.9	0.00	0045	110.0	0.00
1405	99.3	0.03	1930	30.8	0.01	0050	105.0	0.00
1410	192.0	0.02	1935	29.8	0.00	0055	101.0	0.00
1415	261.0	0.07	1940	29.3	0.01	0100	97.2	0.00
1420	295.0	0.03	1945	29.3	0.01	0105	89.7	0.00
1425	322.0	0.01	1950	29.3	0.00	0110	87.1	0.00
1430	356.0	0.00	1955	29.3	0.00	0115	83.2	0.00
1435	403.0	0.00	2000	29.3	0.00	0120	80.0	0.00
1440	436.0	0.00	2005	28.8	0.01	0125	76.2	0.00
1445	461.0	0.03	2010	28.8	0.00	0130	73.7	0.00
1450	474.0	0.01	2015	29.3	0.00	0135	70.0	0.00
1455	485.0	0.00	2020	30.8	0.00	0140	66.9	0.00
1500	466.0	0.00	2025	33.5	0.00	0145	65.7	0.00
1505	430.0	0.02	2030	35.1	0.00	0150	62.7	0.00
1510	382.0	0.02	2035	36.2	0.00	0155	61.0	0.00
1515	331.0	0.00	2040	37.4	0.00	0200	59.3	0.00
1520	276.0	0.00	2045	36.8	0.00	0205	55.9	0.00
1525	228.0	0.01	2050	36.2	0.00	0210	55.4	0.00
1530	191.0	0.03	2055	36.2	0.00	0215	53.7	0.00
1535	161.0	0.12	2100	34.5	0.00	0220	51.6	0.00
1540	142.0	0.14	2105	33.5	0.00	0225	50.5	0.00
1545	128.0	0.03	2110	31.9	0.01	0230	48.6	0.00
1550	120.0	0.00	2115	31.3	0.01	0235	48.0	0.00
1555	114.0	0.01	2120	31.3	0.00	0240	45.3	0.00
1600	120.0	0.00	2125	29.8	0.01	0245	43.4	0.00
1605	132.0	0.00	2130	28.8	0.00	0250	42.1	0.00
1610	159.0	0.00	2135	27.8	0.02	0255	40.9	0.00
1615	186.0	0.00	2140	26.9	0.01	0300	40.3	0.00
1620	233.0	0.00	2145	26.9	0.01	0305	39.1	0.00
1625	276.0	0.00	2150	26.4	0.00	0310	37.9	0.00
1630	308.0	0.00	2155	25.9	0.01	0315	36.8	0.00
1635	315.0	0.00	2200	26.4	0.11	0320	35.7	0.00
1640	305.0	0.00	2205	28.8	0.11	0325	35.1	0.00
1645	280.0	0.00	2210	35.1	0.24	0330	34.0	0.00
1650	249.0	0.01	2215	44.7	0.12	0335	32.9	0.00
1655	216.0	0.00	2220	60.4	0.05	0340	32.4	0.00
1700	188.0	0.01	2225	95.8	0.11	0345	31.9	0.03
1705	162.0	0.00	2230	181.0	0.01	0350	31.3	0.00
1710	146.0	0.00	2235	307.0	0.01	0355	32.4	0.01
1715	130.0	0.00	2240	417.0	0.00	0400	31.3	0.00
1720	119.0	0.01	2245	514.0	0.00	0405	30.8	0.00
1725	110.0	0.00	2250	599.0	0.00	0410	32.9	0.00
1730	103.0	0.00	2255	639.0	0.00	0415	34.0	0.00
1735	94.5	0.00	2300	676.0	0.00	0420	35.1	0.00
1740	88.4	0.00	2305	691.0	0.00	0425	36.8	0.00
1745	83.2	0.00	2310	700.0	0.00	0430	37.9	0.00
1750	78.1	0.00	2315	687.0	0.01	0435	39.7	0.00
1755	73.7	0.00	2320	662.0	0.00	0440	40.9	0.00
1800	70.6	0.00	2325	613.0	0.00	0445	41.5	0.00
1805	68.7	0.00	2330	567.0	0.00	0450	42.8	0.00
1810	65.1	0.00	2335	505.0	0.00	0455	46.6	0.00
1815	63.9	0.00	2340	431.0	0.00	0500	54.3	0.00
1820	60.4	0.00	2345	327.0	0.00	0505	57.6	0.00
1825	58.1	0.00	2350	318.0	0.00	0510	59.3	0.00
1830	55.4	0.00	2355	271.0	0.00	0515	57.6	0.00

Table 27.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, April 30 - May 1, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
0520	54.8	0.00	0815	21.5	0.00	1110	14.4	0.00
0525	52.1	0.00	0820	21.5	0.00	1115	14.4	0.00
0530	50.0	0.01	0825	21.0	0.00	1120	14.0	0.00
0535	47.3	0.00	0830	21.0	0.00	1125	14.0	0.00
0540	44.7	0.00	0835	20.6	0.00	1130	14.0	0.00
0545	42.8	0.00	0840	20.1	0.00	1135	14.0	0.00
0550	40.3	0.00	0845	19.7	0.00	1140	14.0	0.00
0555	38.5	0.00	0850	19.7	0.00	1145	13.7	0.00
0600	37.9	0.00	0855	19.7	0.00	1150	13.7	0.00
0605	36.8	0.00	0900	19.2	0.00	1155	13.7	0.00
0610	35.7	0.00	0905	19.2	0.00	1200	13.7	0.00
0615	34.0	0.00	0910	18.8	0.00	1205	13.3	0.00
0620	33.5	0.00	0915	18.3	0.00	1210	13.3	0.00
0625	32.4	0.00	0920	18.3	0.00	1215	13.3	0.00
0630	31.3	0.00	0925	17.9	0.00	1220	13.0	0.00
0635	30.3	0.00	0930	17.9	0.00	1225	13.0	0.00
0640	30.3	0.00	0935	17.5	0.00	1230	13.0	0.00
0645	29.3	0.00	0940	17.5	0.00	1235	13.0	0.00
0650	28.8	0.00	0945	17.1	0.00	1240	12.7	0.00
0655	28.3	0.00	0950	17.1	0.00	1245	12.7	0.00
0700	27.8	0.00	0955	16.7	0.00	1250	12.7	0.00
0705	27.4	0.00	1000	16.7	0.00	1255	12.7	0.00
0710	26.9	0.00	1005	16.3	0.00	1300	12.3	0.00
0715	26.4	0.00	1010	16.3	0.00	1305	12.3	0.00
0720	25.9	0.00	1015	15.9	0.00	1310	12.3	0.00
0725	25.5	0.00	1020	15.9	0.00	1315	12.3	0.00
0730	25.0	0.00	1025	15.5	0.00	1320	12.3	0.00
0735	24.6	0.00	1030	15.5	0.00	1325	12.0	0.00
0740	24.1	0.00	1035	15.5	0.00	1330	12.0	0.00
0745	23.7	0.00	1040	15.1	0.00	1335	12.0	0.00
0750	23.7	0.00	1045	15.1	0.00	1340	12.0	0.00
0755	23.3	0.00	1050	14.8	0.00	1345	12.0	0.01
0800	22.8	0.00	1055	14.8	0.00	1350	11.7	0.00
0805	22.4	0.00	1100	14.8	0.00	1355	11.7	0.01
0810	22.0	0.00	1105	14.4	0.00	1400	11.7	0.03

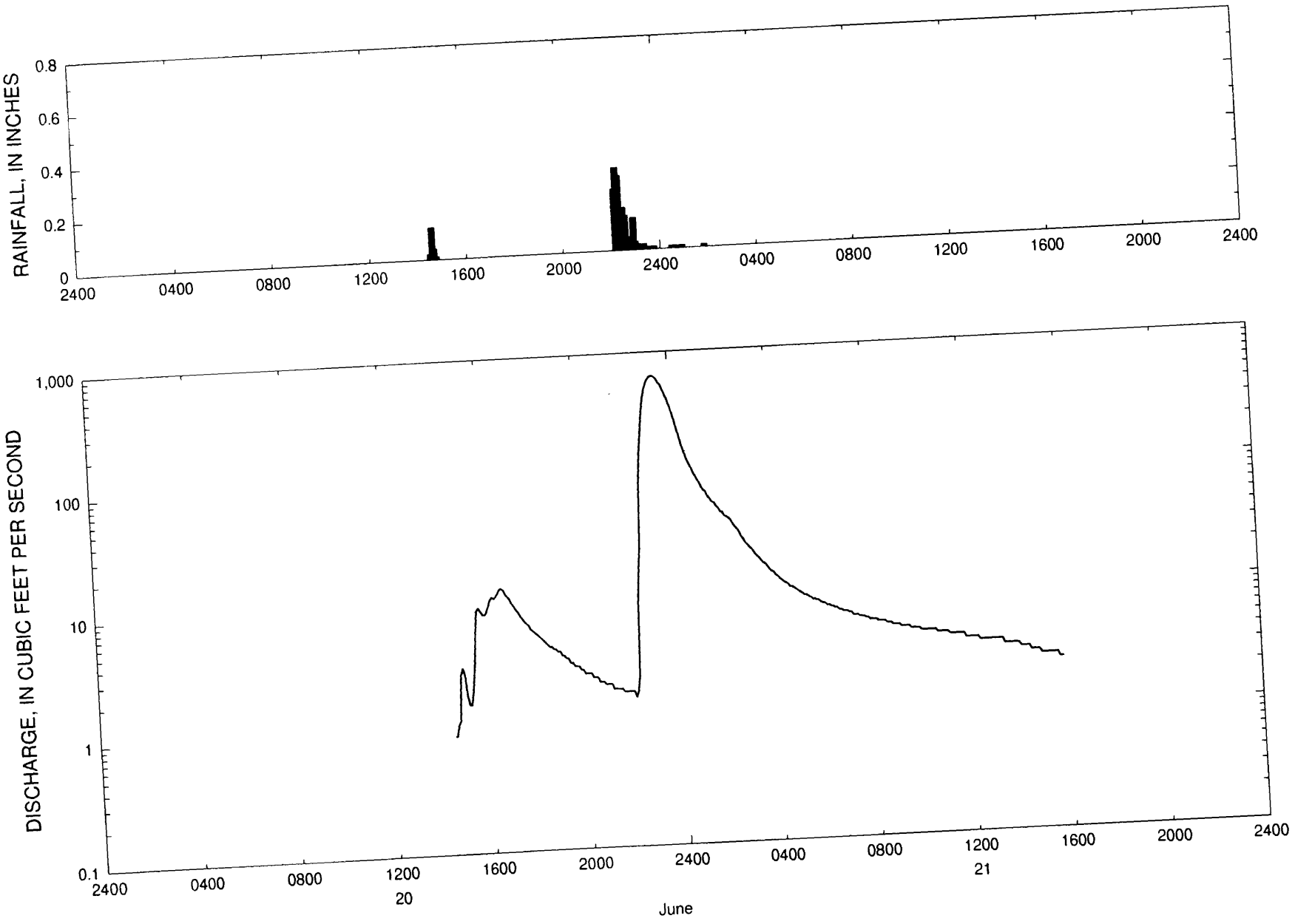


Figure 29.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, June 20-21 1989.

Table 28.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, June 20-21, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 20, 1989			1950	2.8	0.00	0110	78.7	0.00
1430	0.9	0.02	1955	2.8	0.00	0115	72.5	0.00
1435	0.9	0.12	2000	2.6	0.00	0120	71.2	0.00
1440	1.1	0.04	2005	2.6	0.00	0125	64.5	0.00
1445	1.2	0.01	2010	2.6	0.00	0130	61.6	0.00
1450	2.8	0.00	2015	2.6	0.00	0135	58.1	0.00
1455	3.2	0.00	2020	2.4	0.00	0140	57.0	0.00
1500	2.8	0.00	2025	2.4	0.00	0145	53.2	0.00
1505	1.9	0.00	2030	2.4	0.00	0150	51.6	0.01
1510	1.6	0.00	2035	2.2	0.00	0155	48.0	0.00
1515	1.6	0.00	2040	2.2	0.00	0200	47.3	0.00
1520	2.1	0.00	2045	2.2	0.00	0205	44.0	0.00
1525	3.2	0.00	2050	2.1	0.00	0210	43.4	0.00
1530	5.8	0.00	2055	2.1	0.00	0215	42.1	0.00
1535	9.1	0.00	2100	2.1	0.00	0220	40.3	0.00
1540	9.7	0.00	2105	2.1	0.00	0225	37.4	0.00
1545	9.1	0.00	2110	1.9	0.00	0230	35.7	0.00
1550	8.4	0.00	2115	1.9	0.00	0235	34.0	0.00
1555	8.4	0.00	2120	1.9	0.00	0240	31.9	0.00
1600	8.9	0.00	2125	1.9	0.00	0245	29.3	0.00
1605	9.9	0.00	2130	1.9	0.00	0250	27.8	0.00
1610	11.1	0.00	2135	1.8	0.00	0255	25.9	0.00
1615	11.7	0.00	2140	1.8	0.00	0300	25.0	0.00
1620	11.4	0.00	2145	1.8	0.00	0305	23.7	0.00
1625	11.7	0.00	2150	1.8	0.00	0310	22.8	0.00
1630	12.3	0.00	2155	1.8	0.00	0315	21.5	0.00
1635	13.3	0.00	2200	1.8	0.00	0320	20.6	0.00
1640	13.7	0.00	2205	1.6	0.00	0325	19.7	0.00
1645	13.3	0.00	2210	1.8	0.23	0330	18.8	0.00
1650	12.3	0.00	2215	2.4	0.31	0335	17.9	0.00
1655	11.7	0.00	2220	9.7	0.28	0340	17.5	0.00
1700	11.1	0.00	2225	17.1	0.14	0345	16.7	0.00
1705	10.2	0.00	2230	26.4	0.16	0350	15.9	0.00
1710	9.7	0.00	2235	82.5	0.13	0355	15.1	0.00
1715	9.1	0.00	2240	150.0	0.05	0400	14.8	0.00
1720	8.6	0.00	2245	220.0	0.01	0405	14.0	0.00
1725	8.1	0.00	2250	323.0	0.02	0410	13.7	0.00
1730	7.6	0.00	2255	425.0	0.12	0415	13.0	0.00
1735	7.2	0.00	2300	506.0	0.03	0420	12.7	0.00
1740	6.9	0.00	2305	563.0	0.02	0425	12.3	0.00
1745	6.7	0.00	2310	605.0	0.01	0430	12.0	0.00
1750	6.2	0.00	2315	633.0	0.02	0435	11.7	0.00
1755	6.0	0.00	2320	641.0	0.02	0440	11.1	0.00
1800	5.8	0.00	2325	631.0	0.00	0445	11.1	0.00
1805	5.6	0.00	2330	610.0	0.01	0450	10.8	0.00
1810	5.4	0.00	2335	570.0	0.01	0455	10.5	0.00
1815	5.2	0.00	2340	539.0	0.01	0500	10.2	0.00
1820	5.0	0.00	2345	493.0	0.01	0505	9.9	0.00
1825	4.8	0.00	2350	448.0	0.00	0510	9.7	0.00
1830	4.6	0.00	2355	404.0	0.00	0515	9.4	0.00
1835	4.4	0.00	June 21, 1989			0520	9.4	0.00
1840	4.4	0.00	0000	360.0	0.00	0525	9.1	0.00
1845	4.2	0.00	0005	321.0	0.00	0530	8.9	0.00
1850	4.2	0.00	0010	281.0	0.00	0535	8.6	0.00
1855	4.0	0.00	0015	237.0	0.00	0540	8.6	0.00
1900	4.0	0.00	0020	207.0	0.00	0545	8.4	0.00
1905	3.7	0.00	0025	176.0	0.00	0550	8.4	0.00
1910	3.7	0.00	0030	155.0	0.01	0555	8.1	0.00
1915	3.5	0.00	0035	139.0	0.01	0600	7.9	0.00
1920	3.5	0.00	0040	125.0	0.01	0605	7.9	0.00
1925	3.2	0.00	0045	116.0	0.00	0610	7.6	0.00
1930	3.2	0.00	0050	106.0	0.00	0615	7.6	0.00
1935	3.0	0.00	0055	97.2	0.01	0620	7.4	0.00
1940	3.0	0.00	0100	90.4	0.00	0625	7.4	0.00
1945	3.0	0.00	0105	85.1	0.00	0630	7.2	0.00

Table 28.--Streamflow and rainfall at station 02145940, Little Dutchman Creek tributary at Rock Hill, June 20-21, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0635	7.2	0.00	0945	4.6	0.00	1255	3.5	0.00
0640	6.9	0.00	0950	4.6	0.00	1300	3.5	0.00
0645	6.9	0.00	0955	4.6	0.00	1305	3.5	0.00
0650	6.7	0.00	1000	4.4	0.00	1310	3.5	0.00
0655	6.7	0.00	1005	4.4	0.00	1315	3.5	0.00
0700	6.7	0.00	1010	4.4	0.00	1320	3.5	0.00
0705	6.5	0.00	1015	4.4	0.00	1325	3.2	0.00
0710	6.5	0.00	1020	4.4	0.00	1330	3.2	0.00
0715	6.2	0.00	1025	4.4	0.00	1335	3.2	0.00
0720	6.2	0.00	1030	4.4	0.00	1340	3.2	0.00
0725	6.2	0.00	1035	4.4	0.00	1345	3.2	0.00
0730	6.0	0.00	1040	4.2	0.00	1350	3.2	0.00
0735	6.0	0.00	1045	4.2	0.00	1355	3.2	0.00
0740	6.0	0.00	1050	4.2	0.00	1400	3.2	0.00
0745	5.8	0.00	1055	4.2	0.00	1405	3.0	0.00
0750	5.8	0.00	1100	4.2	0.00	1410	3.0	0.00
0755	5.6	0.00	1105	4.2	0.00	1415	3.0	0.00
0800	5.6	0.00	1110	4.0	0.00	1420	3.0	0.00
0805	5.6	0.00	1115	4.0	0.00	1425	3.0	0.00
0810	5.6	0.00	1120	4.0	0.00	1430	2.8	0.00
0815	5.4	0.00	1125	4.0	0.00	1435	2.8	0.00
0820	5.4	0.00	1130	4.0	0.00	1440	2.8	0.00
0825	5.4	0.00	1135	4.0	0.00	1445	2.8	0.00
0830	5.4	0.00	1140	4.0	0.00	1450	2.8	0.00
0835	5.2	0.00	1145	4.0	0.00	1455	2.6	0.00
0840	5.2	0.00	1150	3.7	0.00	1500	2.6	0.00
0845	5.2	0.00	1155	3.7	0.00	1505	2.6	0.00
0850	5.0	0.00	1200	3.7	0.00	1510	2.6	0.00
0855	5.0	0.00	1205	3.7	0.00	1515	2.6	0.00
0900	5.0	0.00	1210	3.7	0.00	1520	2.6	0.00
0905	5.0	0.00	1215	3.7	0.00	1525	2.6	0.00
0910	4.8	0.00	1220	3.7	0.00	1530	2.6	0.00
0915	4.8	0.00	1225	3.5	0.00	1535	2.6	0.00
0920	4.8	0.00	1230	3.5	0.00	1540	2.4	0.00
0925	4.8	0.00	1235	3.5	0.00	1545	2.4	0.00
0930	4.8	0.00	1240	3.5	0.00	1550	2.4	0.00
0935	4.6	0.00	1245	3.5	0.00	1555	2.4	0.00
0940	4.6	0.00	1250	3.5	0.00	1600	2.4	0.00

Station 02146100, Manchester Creek Tributary at Rock Hill, S.C.

Location.--Lat 34°56'03", long 81°00'11", York County, Hydrologic Unit 03050103, at culvert on State secondary road 579, 1.2 mi east of Winthrop College, and 0.7 mi upstream from the mouth at Manchester Creek.

Period of record.-- December 12, 1985 to October 3, 1989.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to the headwall at the center web of the double 9.3 ft by 8 ft concrete box culvert. A sealed intake pipe extends 20 ft upstream to a separate stilling basin (sand trap) with a removable lid. One crest-stage indicator is located opposite the recording gage intake on the upstream left bank. A second crest-stage indicator is located on the right downstream wingwall.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 110 ft^3/s. The stage-streamflow relation was extended to 518 ft^3/s using indirect computational methods.

Rain gage and location.--Station 345607081001400, lat 34°56'07", long 81°00'14". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval attached to the right downstream wingwall at the State secondary road 579 crossing, 1.2 mi east of Winthrop College, and 0.7 mi upstream from the mouth at Manchester Creek.

Selected basin characteristics.--

Drainage area -- 1.29 mi^2
Physiographic province -- Piedmont
Channel slope -- 61.0 ft/mi
Channel length -- 1.81 mi
Total impervious area -- 31.0 percent
Basin development factor -- 6
2-year, 2-hour rainfall amount -- 1.95 in.

Flood frequency data:		
	UQ_2	530 ft^3/s
	UQ_5	788 ft^3/s
	UQ_{10}	955 ft^3/s
	UQ_{25}	1,160 ft^3/s
	UQ_{50}	1,310 ft^3/s
	UQ_{100}	1,450 ft^3/s
	UQ_{500}	1,770 ft^3/s

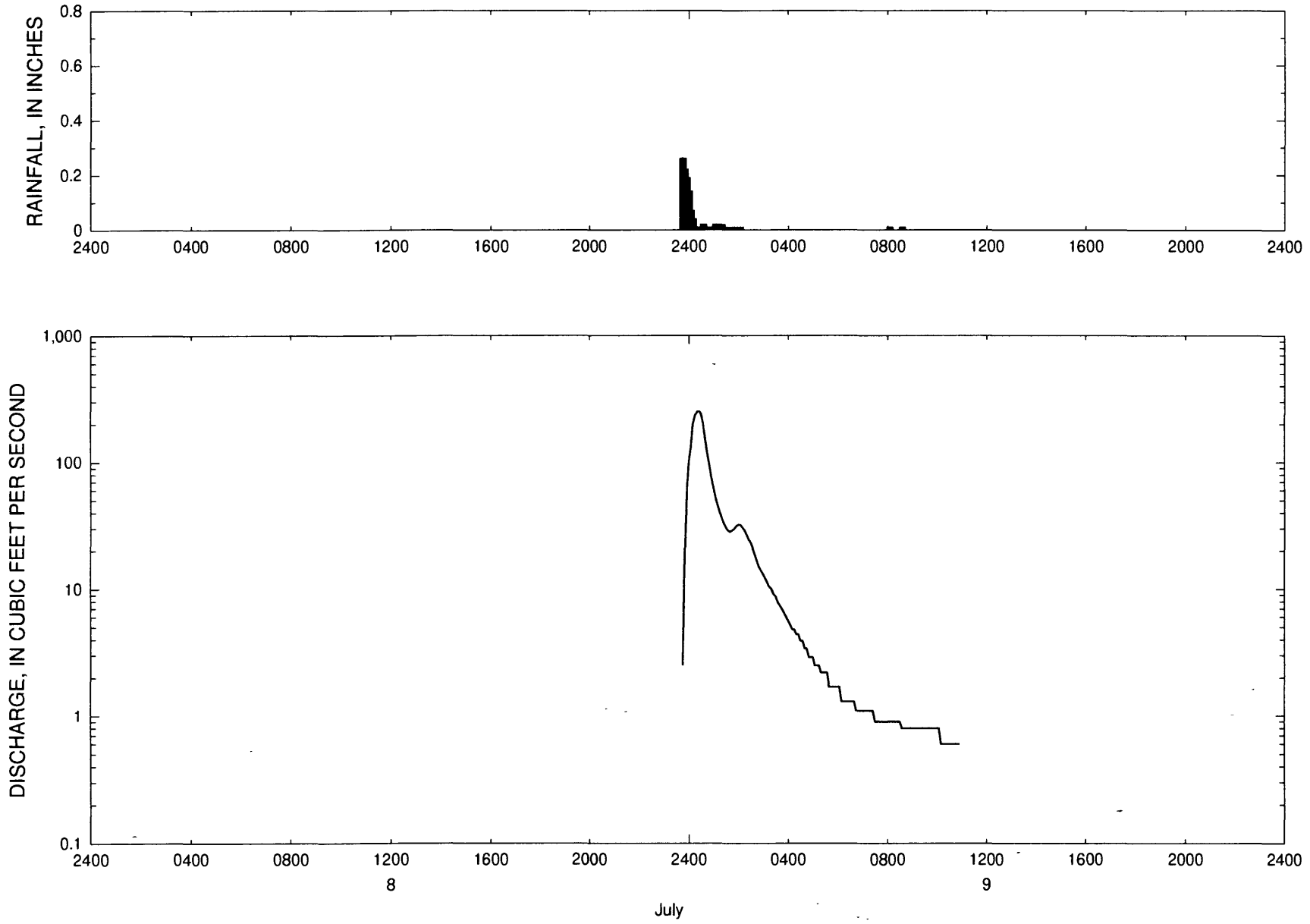


Figure 30.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, July 8-9, 1988.

Table 29.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, July 8-9, 1988

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 8, 1988			0325	9.1	0.00	0715	1.1	0.00
2345	2.5	0.26	0330	8.7	0.00	0720	1.1	0.00
2350	17.5	0.22	0335	7.8	0.00	0725	1.1	0.00
2355	62.7	0.19	0340	7.4	0.00	0730	0.9	0.00
July 9, 1988			0345	7.0	0.00	0735	0.9	0.00
0000	104.0	0.14	0350	6.5	0.00	0740	0.9	0.00
0005	133.0	0.07	0355	6.0	0.00	0745	0.9	0.00
0010	202.0	0.04	0400	5.6	0.00	0750	0.9	0.00
0015	233.0	0.01	0405	5.2	0.00	0755	0.9	0.00
0020	252.0	0.01	0410	4.8	0.00	0800	0.9	0.00
0025	252.0	0.01	0415	4.8	0.00	0805	0.9	0.01
0030	240.0	0.01	0420	4.4	0.00	0810	0.9	0.00
0035	202.0	0.02	0425	4.4	0.00	0815	0.9	0.00
0040	154.0	0.00	0430	3.9	0.00	0820	0.9	0.00
0045	118.0	0.01	0435	3.9	0.00	0825	0.9	0.00
0050	94.2	0.00	0440	3.4	0.00	0830	0.9	0.00
0055	75.6	0.00	0445	3.4	0.00	0835	0.8	0.01
0100	62.7	0.01	0450	2.9	0.00	0840	0.8	0.00
0105	52.6	0.02	0455	2.9	0.00	0845	0.8	0.00
0110	45.8	0.01	0500	2.9	0.00	0850	0.8	0.00
0115	40.2	0.01	0505	2.5	0.00	0855	0.8	0.00
0120	36.1	0.02	0510	2.5	0.00	0900	0.8	0.00
0125	33.0	0.01	0515	2.5	0.00	0905	0.8	0.00
0130	30.6	0.01	0520	2.2	0.00	0910	0.8	0.00
0135	29.1	0.01	0525	2.2	0.00	0915	0.8	0.00
0140	28.3	0.01	0530	2.2	0.00	0920	0.8	0.00
0145	29.1	0.00	0535	2.2	0.00	0925	0.8	0.00
0150	29.8	0.01	0540	1.7	0.00	0930	0.8	0.00
0155	31.4	0.00	0545	1.7	0.00	0935	0.8	0.00
0200	32.2	0.00	0550	1.7	0.00	0940	0.8	0.00
0205	32.2	0.01	0555	1.7	0.00	0945	0.8	0.00
0210	30.6	0.00	0600	1.7	0.00	0950	0.8	0.00
0215	29.1	0.00	0605	1.7	0.00	0955	0.8	0.00
0220	26.8	0.00	0610	1.3	0.00	1000	0.8	0.00
0225	24.7	0.00	0615	1.3	0.00	1005	0.8	0.00
0230	23.2	0.00	0620	1.3	0.00	1010	0.6	0.00
0235	21.0	0.00	0625	1.3	0.00	1015	0.6	0.00
0240	18.8	0.00	0630	1.3	0.00	1020	0.6	0.00
0245	16.8	0.00	0635	1.3	0.00	1025	0.6	0.00
0250	15.0	0.00	0640	1.3	0.00	1030	0.6	0.00
0255	14.1	0.00	0645	1.1	0.00	1035	0.6	0.00
0300	13.2	0.00	0650	1.1	0.00	1040	0.6	0.00
0305	12.3	0.00	0655	1.1	0.00	1045	0.6	0.00
0310	11.4	0.00	0700	1.1	0.00	1050	0.6	0.00
0315	10.5	0.00	0705	1.1	0.00	1055	0.6	0.00
0320	10.1	0.00	0710	1.1	0.00	1100	0.6	0.00

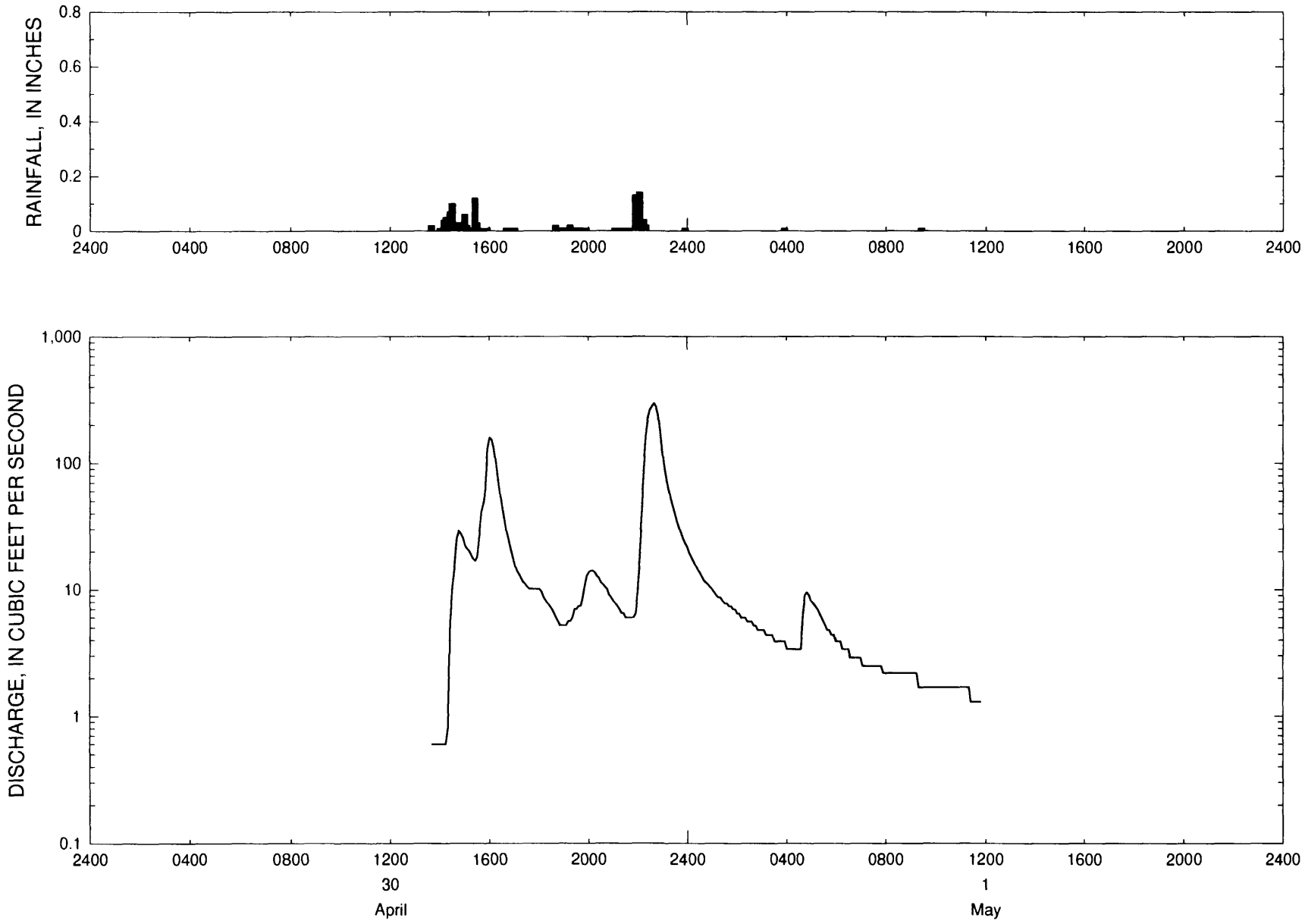


Figure 31.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, April 30 - May 1, 1989.

Table 30.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, April 30 - May 1, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
April 30, 1989			1900	5.2	0.01	0020	15.6	0.00
1340	0.6	0.02	1905	5.2	0.01	0025	14.5	0.00
1345	0.6	0.00	1910	5.6	0.01	0030	13.7	0.00
1350	0.6	0.00	1915	5.6	0.02	0035	12.8	0.00
1355	0.6	0.00	1920	6.0	0.00	0040	11.9	0.00
1400	0.6	0.01	1925	7.0	0.00	0045	11.4	0.00
1405	0.6	0.00	1930	7.0	0.01	0050	11.0	0.00
1410	0.6	0.04	1935	7.4	0.00	0055	10.5	0.00
1415	0.6	0.05	1940	7.4	0.01	0100	10.1	0.00
1420	0.8	0.05	1945	8.2	0.00	0105	9.6	0.00
1425	5.6	0.07	1950	10.5	0.00	0110	9.1	0.00
1430	10.5	0.10	1955	12.8	0.01	0115	8.7	0.00
1435	15.0	0.03	2000	13.7	0.00	0120	8.7	0.00
1440	25.4	0.03	2005	14.1	0.00	0125	8.2	0.00
1445	29.1	0.03	2010	14.1	0.00	0130	7.8	0.00
1450	27.6	0.01	2015	13.7	0.00	0135	7.8	0.00
1455	25.4	0.03	2020	12.8	0.00	0140	7.4	0.00
1500	22.4	0.06	2025	12.3	0.00	0145	7.4	0.00
1505	21.0	0.02	2030	11.4	0.00	0150	7.0	0.00
1510	20.2	0.01	2035	11.0	0.00	0155	7.0	0.00
1515	18.8	0.01	2040	10.5	0.00	0200	6.5	0.00
1520	17.5	0.01	2045	10.1	0.00	0205	6.5	0.00
1525	16.8	0.12	2050	9.1	0.00	0210	6.0	0.00
1530	18.2	0.03	2055	8.7	0.00	0215	6.0	0.00
1535	26.8	0.01	2100	8.2	0.00	0220	6.0	0.00
1540	41.0	0.01	2105	7.8	0.01	0225	5.6	0.00
1545	47.5	0.00	2110	7.4	0.01	0230	5.6	0.00
1550	60.8	0.00	2115	7.0	0.01	0235	5.6	0.00
1555	128.0	0.01	2120	6.5	0.00	0240	5.2	0.00
1600	159.0	0.00	2125	6.5	0.01	0245	5.2	0.00
1605	154.0	0.00	2130	6.0	0.01	0250	4.8	0.00
1610	133.0	0.00	2135	6.0	0.00	0255	4.8	0.00
1615	102.0	0.00	2140	6.0	0.00	0300	4.8	0.00
1620	76.6	0.00	2145	6.0	0.01	0305	4.8	0.00
1625	57.1	0.00	2150	6.0	0.00	0310	4.4	0.00
1630	45.0	0.00	2155	6.5	0.13	0315	4.4	0.00
1635	36.1	0.00	2200	9.6	0.13	0320	4.4	0.00
1640	29.1	0.01	2205	18.2	0.14	0325	4.4	0.00
1645	24.7	0.01	2210	41.0	0.03	0330	3.9	0.00
1650	21.0	0.00	2215	85.2	0.04	0335	3.9	0.00
1655	18.2	0.00	2220	162.0	0.02	0340	3.9	0.00
1700	15.6	0.01	2225	223.0	0.00	0345	3.9	0.00
1705	14.1	0.00	2230	262.0	0.00	0350	3.9	0.00
1710	13.2	0.00	2235	281.0	0.00	0355	3.9	0.01
1715	12.3	0.00	2240	298.0	0.00	0400	3.4	0.00
1720	11.4	0.00	2245	280.0	0.00	0405	3.4	0.00
1725	11.0	0.00	2250	240.0	0.00	0410	3.4	0.00
1730	10.5	0.00	2255	179.0	0.00	0415	3.4	0.00
1735	10.1	0.00	2300	124.0	0.00	0420	3.4	0.00
1740	10.1	0.00	2305	94.2	0.00	0425	3.4	0.00
1745	10.1	0.00	2310	75.6	0.00	0430	3.4	0.00
1750	10.1	0.00	2315	62.7	0.00	0435	3.4	0.00
1755	10.1	0.00	2320	52.6	0.00	0440	6.5	0.00
1800	10.1	0.00	2325	45.8	0.00	0445	9.1	0.00
1805	9.6	0.00	2330	40.2	0.00	0450	9.6	0.00
1810	8.7	0.00	2335	35.3	0.00	0455	9.1	0.00
1815	8.2	0.00	2340	31.4	0.00	0500	8.2	0.00
1820	7.8	0.00	2345	28.3	0.00	0505	7.8	0.00
1825	7.4	0.00	2350	25.4	0.00	0510	7.4	0.00
1830	7.0	0.00	2355	23.2	0.01	0515	7.0	0.00
1835	6.5	0.00	May 1, 1989			0520	6.5	0.00
1840	6.0	0.02	0000	21.7	0.00	0525	6.0	0.00
1845	5.6	0.01	0005	19.5	0.00	0530	5.6	0.00
1850	5.2	0.01	0010	18.2	0.00	0535	5.2	0.00
1855	5.2	0.00	0015	16.8	0.00	0540	4.8	0.00

Table 30.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, April 30 - May 1, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0545	4.8	0.00	0755	2.2	0.00	1005	1.7	0.00
0550	4.4	0.00	0800	2.2	0.00	1010	1.7	0.00
0555	4.4	0.00	0805	2.2	0.00	1015	1.7	0.00
0600	3.9	0.00	0810	2.2	0.00	1020	1.7	0.00
0605	3.9	0.00	0815	2.2	0.00	1025	1.7	0.00
0610	3.9	0.00	0820	2.2	0.00	1030	1.7	0.00
0615	3.4	0.00	0825	2.2	0.00	1035	1.7	0.00
0620	3.4	0.00	0830	2.2	0.00	1040	1.7	0.00
0625	3.4	0.00	0835	2.2	0.00	1045	1.7	0.00
0630	3.4	0.00	0840	2.2	0.00	1050	1.7	0.00
0635	2.9	0.00	0845	2.2	0.00	1055	1.7	0.00
0640	2.9	0.00	0850	2.2	0.00	1100	1.7	0.00
0645	2.9	0.00	0855	2.2	0.00	1105	1.7	0.00
0650	2.9	0.00	0900	2.2	0.00	1110	1.7	0.00
0655	2.9	0.00	0905	2.2	0.00	1115	1.7	0.00
0700	2.9	0.00	0910	2.2	0.00	1120	1.7	0.00
0705	2.5	0.00	0915	2.2	0.00	1125	1.3	0.00
0710	2.5	0.00	0920	1.7	0.00	1130	1.3	0.00
0715	2.5	0.00	0925	1.7	0.01	1135	1.3	0.00
0720	2.5	0.00	0930	1.7	0.00	1140	1.3	0.00
0725	2.5	0.00	0935	1.7	0.00	1145	1.3	0.00
0730	2.5	0.00	0940	1.7	0.00	1150	1.3	0.00
0735	2.5	0.00	0945	1.7	0.00	1155	1.3	0.00
0740	2.5	0.00	0950	1.7	0.00	1200	1.3	0.00
0745	2.5	0.00	0955	1.7	0.00			
0750	2.5	0.00	1000	1.7	0.00			

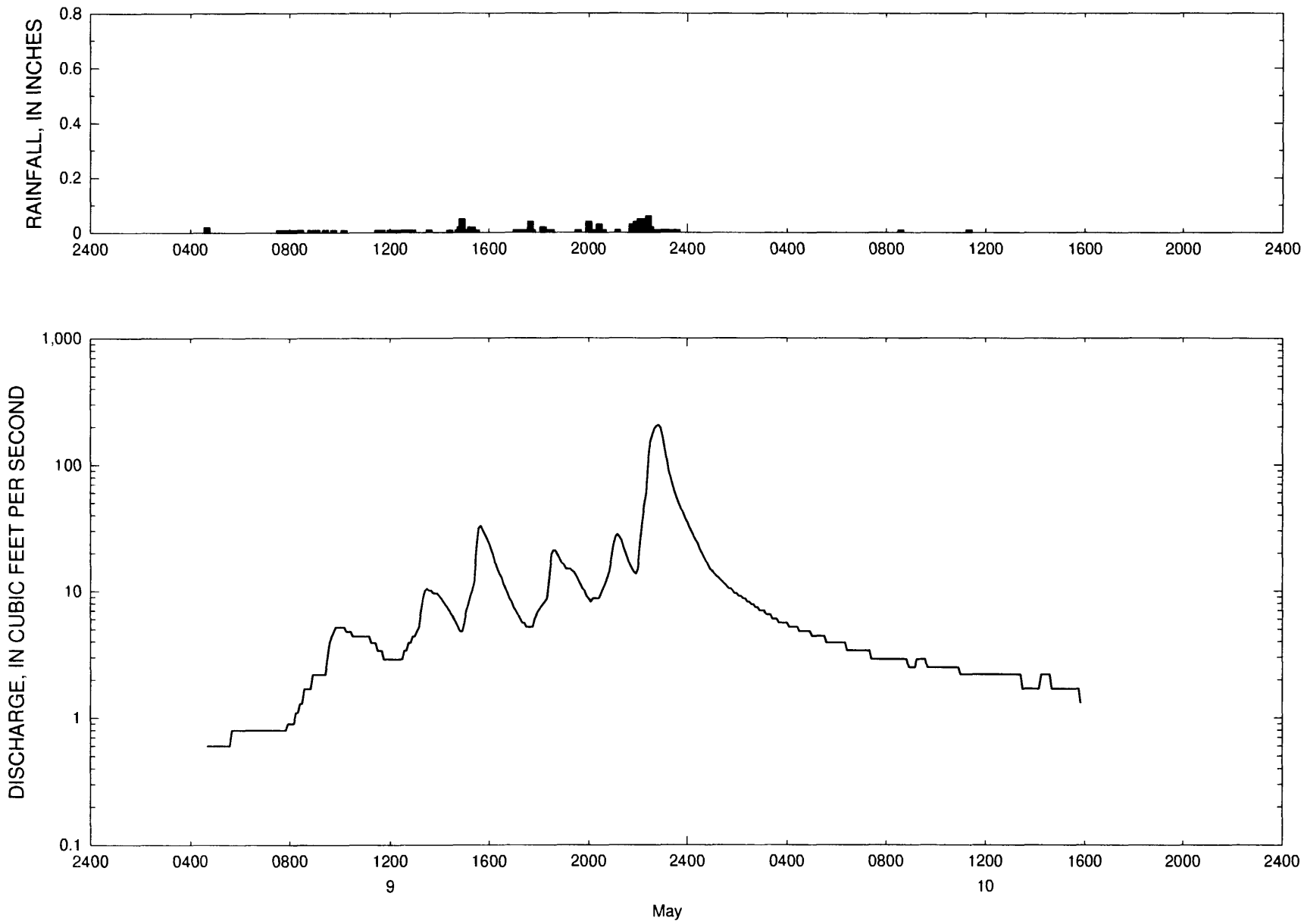


Figure 32.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, May 9-10, 1989.

Table 31.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, May 9-10, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
May 09, 1989			1000	5.2	0.00	1525	11.9	0.00
0440	0.6	0.02	1005	5.2	0.00	1530	21.7	0.01
0445	0.6	0.00	1010	5.2	0.01	1535	31.4	0.00
0450	0.6	0.00	1015	4.8	0.00	1540	33.0	0.00
0455	0.6	0.00	1020	4.8	0.00	1545	30.6	0.00
0500	0.6	0.00	1025	4.8	0.00	1550	28.3	0.00
0505	0.6	0.00	1030	4.4	0.00	1555	26.1	0.00
0510	0.6	0.00	1035	4.4	0.00	1600	24.0	0.00
0515	0.6	0.00	1040	4.4	0.00	1605	21.7	0.00
0520	0.6	0.00	1045	4.4	0.00	1610	19.5	0.00
0525	0.6	0.00	1050	4.4	0.00	1615	16.8	0.00
0530	0.6	0.00	1055	4.4	0.00	1620	15.0	0.00
0535	0.6	0.00	1100	4.4	0.00	1625	13.7	0.00
0540	0.8	0.00	1105	4.4	0.00	1630	12.8	0.00
0545	0.8	0.00	1110	4.4	0.00	1635	11.4	0.00
0550	0.8	0.00	1115	3.9	0.00	1640	10.5	0.00
0555	0.8	0.00	1120	3.9	0.00	1645	9.6	0.00
0600	0.8	0.00	1125	3.9	0.00	1650	8.7	0.00
0605	0.8	0.00	1130	3.4	0.01	1655	8.2	0.00
0610	0.8	0.00	1135	3.4	0.01	1700	7.4	0.00
0615	0.8	0.00	1140	3.4	0.01	1705	7.0	0.01
0620	0.8	0.00	1145	2.9	0.00	1710	6.5	0.00
0625	0.8	0.00	1150	2.9	0.00	1715	6.0	0.00
0630	0.8	0.00	1155	2.9	0.00	1720	5.6	0.01
0635	0.8	0.00	1200	2.9	0.01	1725	5.6	0.01
0640	0.8	0.00	1205	2.9	0.00	1730	5.2	0.01
0645	0.8	0.00	1210	2.9	0.01	1735	5.2	0.00
0650	0.8	0.00	1215	2.9	0.01	1740	5.2	0.04
0655	0.8	0.00	1220	2.9	0.01	1745	5.2	0.01
0700	0.8	0.00	1225	2.9	0.00	1750	6.0	0.00
0705	0.8	0.00	1230	2.9	0.01	1755	6.5	0.00
0710	0.8	0.00	1235	3.4	0.00	1800	7.0	0.00
0715	0.8	0.00	1240	3.4	0.00	1805	7.4	0.00
0720	0.8	0.00	1245	3.9	0.01	1810	7.8	0.02
0725	0.8	0.00	1250	3.9	0.01	1815	8.2	0.00
0730	0.8	0.00	1255	4.4	0.01	1820	8.7	0.01
0735	0.8	0.01	1300	4.4	0.00	1825	12.8	0.01
0740	0.8	0.00	1305	4.8	0.00	1830	19.5	0.01
0745	0.8	0.00	1310	5.2	0.00	1835	21.0	0.00
0750	0.8	0.01	1315	7.0	0.00	1840	21.0	0.00
0755	0.9	0.00	1320	8.7	0.00	1845	19.5	0.00
0800	0.9	0.01	1325	10.1	0.00	1850	18.2	0.00
0805	0.9	0.00	1330	10.5	0.00	1855	16.8	0.00
0810	0.9	0.01	1335	10.1	0.01	1900	16.2	0.00
0815	1.1	0.01	1340	10.1	0.00	1905	15.0	0.00
0820	1.1	0.00	1345	9.6	0.00	1910	15.0	0.00
0825	1.3	0.01	1350	9.6	0.00	1915	15.0	0.00
0830	1.3	0.00	1355	9.6	0.00	1920	14.5	0.00
0835	1.7	0.00	1400	9.1	0.00	1925	14.1	0.00
0840	1.7	0.00	1405	8.7	0.00	1930	13.2	0.00
0845	1.7	0.00	1410	8.2	0.00	1935	12.3	0.01
0850	1.7	0.01	1415	7.8	0.00	1940	11.4	0.00
0855	2.2	0.00	1420	7.4	0.00	1945	10.5	0.00
0900	2.2	0.00	1425	7.0	0.01	1950	10.1	0.00
0905	2.2	0.01	1430	6.5	0.00	1955	9.1	0.00
0910	2.2	0.00	1435	6.0	0.00	2000	8.7	0.04
0915	2.2	0.00	1440	5.6	0.00	2005	8.2	0.00
0920	2.2	0.00	1445	5.2	0.01	2010	8.7	0.01
0925	2.2	0.01	1450	4.8	0.02	2015	8.7	0.01
0930	2 9	0.00	1455	4.8	0.05	2020	8.7	0.01
0935	3.9	0 00	1500	5.6	0.01	2025	8.7	0.03
0940	4.4	0.00	1505	7.0	0.00	2030	9.6	0.01
0945	4.8	0.01	1510	7.8	0.01	2035	10.5	0.01
0950	5.2	0.00	1515	9.1	0.02	2040	11.4	0.00
0955	5.2	0.00	1520	10.1	0.02	2045	12.8	0.00

Table 31.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, May 9-10, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
2050	14.5	0.00	0210	9.1	0.00	0735	2.9	0.00
2055	18.2	0.00	0215	8.7	0.00	0740	2.9	0.00
2100	23.2	0.00	0220	8.7	0.00	0745	2.9	0.00
2105	26.8	0.00	0225	8.2	0.00	0750	2.9	0.00
2110	28.3	0.01	0230	8.2	0.00	0755	2.9	0.00
2115	26.8	0.00	0235	7.8	0.00	0800	2.9	0.00
2120	25.4	0.00	0240	7.8	0.00	0805	2.9	0.00
2125	22.4	0.00	0245	7.4	0.00	0810	2.9	0.00
2130	20.2	0.00	0250	7.4	0.00	0815	2.9	0.00
2135	18.2	0.00	0255	7.0	0.00	0820	2.9	0.00
2140	16.2	0.00	0300	7.0	0.00	0825	2.9	0.00
2145	15.0	0.03	0305	7.0	0.00	0830	2.9	0.00
2150	14.1	0.02	0310	6.5	0.00	0835	2.9	0.01
2155	13.7	0.04	0315	6.5	0.00	0840	2.9	0.00
2200	15.0	0.01	0320	6.5	0.00	0845	2.9	0.00
2205	24.0	0.05	0325	6.0	0.00	0850	2.9	0.00
2210	34.5	0.05	0330	6.0	0.00	0855	2.5	0.00
2215	47.5	0.01	0335	6.0	0.00	0900	2.5	0.00
2220	58.9	0.01	0340	5.6	0.00	0905	2.5	0.00
2225	109.0	0.06	0345	5.6	0.00	0910	2.5	0.00
2230	151.0	0.02	0350	5.6	0.00	0915	2.9	0.00
2235	175.0	0.00	0355	5.6	0.00	0920	2.9	0.00
2240	194.0	0.01	0400	5.6	0.00	0925	2.9	0.00
2245	203.0	0.01	0405	5.2	0.00	0930	2.9	0.00
2250	207.0	0.01	0410	5.2	0.00	0935	2.9	0.00
2255	196.0	0.00	0415	5.2	0.00	0940	2.5	0.00
2300	167.0	0.00	0420	5.2	0.00	0945	2.5	0.00
2305	137.0	0.01	0425	5.2	0.00	0950	2.5	0.00
2310	112.0	0.00	0430	4.8	0.00	0955	2.5	0.00
2315	89.6	0.00	0435	4.8	0.00	1000	2.5	0.00
2320	79.8	0.01	0440	4.8	0.00	1005	2.5	0.00
2325	68.5	0.00	0445	4.8	0.00	1010	2.5	0.00
2330	60.8	0.00	0450	4.8	0.00	1015	2.5	0.00
2335	54.4	0.01	0455	4.8	0.00	1020	2.5	0.00
2340	49.2	0.00	0500	4.4	0.00	1025	2.5	0.00
2345	45.0	0.00	0505	4.4	0.00	1030	2.5	0.00
2350	41.8	0.00	0510	4.4	0.00	1035	2.5	0.00
2355	37.7	0.00	0515	4.4	0.00	1040	2.5	0.00
	May 10, 1989		0520	4.4	0.00	1045	2.5	0.00
0000	35.3	0.00	0525	4.4	0.00	1050	2.5	0.00
0005	32.2	0.00	0530	4.4	0.00	1055	2.5	0.00
0010	29.8	0.00	0535	3.9	0.00	1100	2.2	0.00
0015	27.6	0.00	0540	3.9	0.00	1105	2.2	0.00
0020	25.4	0.00	0545	3.9	0.00	1110	2.2	0.00
0025	24.0	0.00	0550	3.9	0.00	1115	2.2	0.00
0030	21.7	0.00	0555	3.9	0.00	1120	2.2	0.01
0035	20.2	0.00	0600	3.9	0.00	1125	2.2	0.00
0040	18.8	0.00	0605	3.9	0.00	1130	2.2	0.00
0045	17.5	0.00	0610	3.9	0.00	1135	2.2	0.00
0050	16.2	0.00	0615	3.9	0.00	1140	2.2	0.00
0055	15.0	0.00	0620	3.9	0.00	1145	2.2	0.00
0100	14.5	0.00	0625	3.4	0.00	1150	2.2	0.00
0105	13.7	0.00	0630	3.4	0.00	1155	2.2	0.00
0110	13.2	0.00	0635	3.4	0.00	1200	2.2	0.00
0115	12.8	0.00	0640	3.4	0.00	1205	2.2	0.00
0120	12.3	0.00	0645	3.4	0.00	1210	2.2	0.00
0125	11.9	0.00	0650	3.4	0.00	1215	2.2	0.00
0130	11.4	0.00	0655	3.4	0.00	1220	2.2	0.00
0135	11.0	0.00	0700	3.4	0.00	1225	2.2	0.00
0140	10.5	0.00	0705	3.4	0.00	1230	2.2	0.00
0145	10.5	0.00	0710	3.4	0.00	1235	2.2	0.00
0150	10.1	0.00	0715	3.4	0.00	1240	2.2	0.00
0155	9.6	0.00	0720	3.4	0.00	1245	2.2	0.00
0200	9.6	0.00	0725	2.9	0.00	1250	2.2	0.00
0205	9.1	0.00	0730	2.9	0.00	1255	2.2	0.00

Table 31.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, May 9-10, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1300	2.2	0.00	1405	1.7	0.00	1510	1.7	0.00
1305	2.2	0.00	1410	1.7	0.00	1515	1.7	0.00
1310	2.2	0.00	1415	2.2	0.00	1520	1.7	0.00
1315	2.2	0.00	1420	2.2	0.00	1525	1.7	0.00
1320	2.2	0.00	1425	2.2	0.00	1530	1.7	0.00
1325	2.2	0.00	1430	2.2	0.00	1535	1.7	0.00
1330	1.7	0.00	1435	2.2	0.00	1540	1.7	0.00
1335	1.7	0.00	1440	1.7	0.00	1545	1.7	0.00
1340	1.7	0.00	1445	1.7	0.00	1550	1.3	0.00
1345	1.7	0.00	1450	1.7	0.00	1555	1.3	0.00
1350	1.7	0.00	1455	1.7	0.00	1600	1.3	0.00
1355	1.7	0.00	1500	1.7	0.00			
1400	1.7	0.00	1505	1.7	0.00			

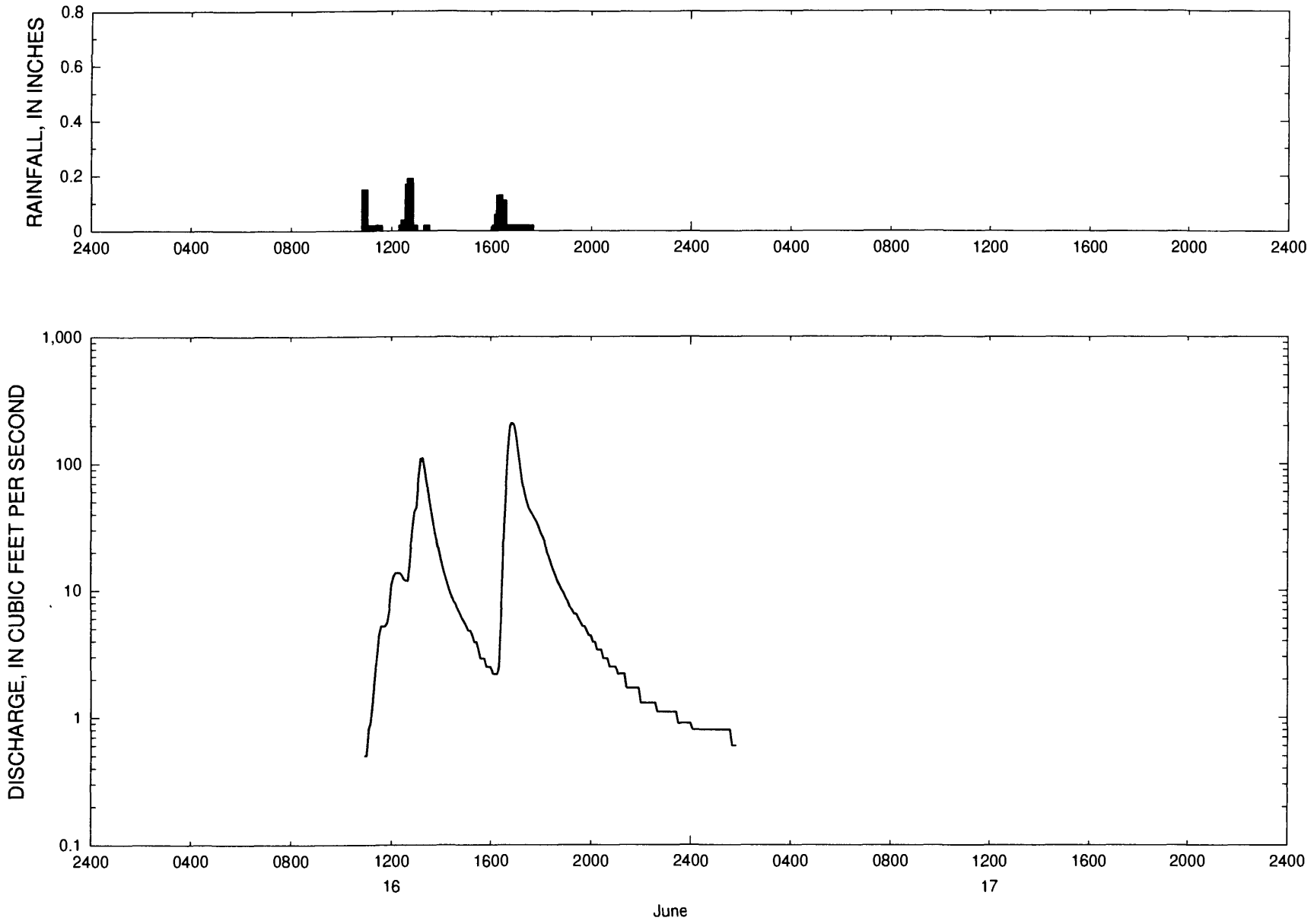


Figure 33.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, June 16-17, 1989.

Table 32.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, June 16-17, 1989

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
June 16, 1989			1600	2.5	0.00	2110	2.2	0.00
1055	0.5	0.15	1605	2.2	0.00	2115	2.2	0.00
1100	0.5	0.02	1610	2.2	0.02	2120	2.2	0.00
1105	0.8	0.02	1615	2.2	0.06	2125	1.7	0.00
1110	0.9	0.00	1620	2.5	0.13	2130	1.7	0.00
1115	1.3	0.02	1625	7.0	0.03	2135	1.7	0.00
1120	2.2	0.02	1630	24.0	0.11	2140	1.7	0.00
1125	2.9	0.00	1635	56.2	0.02	2145	1.7	0.00
1130	4.4	0.02	1640	123.0	0.02	2150	1.7	0.00
1135	5.2	0.00	1645	196.0	0.02	2155	1.7	0.00
1140	5.2	0.00	1650	209.0	0.00	2200	1.3	0.00
1145	5.2	0.00	1655	205.0	0.02	2205	1.3	0.00
1150	5.6	0.00	1700	169.0	0.02	2210	1.3	0.00
1155	7.0	0.00	1705	128.0	0.00	2215	1.3	0.00
1200	11.0	0.00	1710	95.3	0.02	2220	1.3	0.00
1205	12.8	0.00	1715	72.5	0.00	2225	1.3	0.00
1210	13.7	0.00	1720	58.9	0.02	2230	1.3	0.00
1215	13.7	0.00	1725	50.9	0.00	2235	1.3	0.00
1220	13.7	0.00	1730	45.0	0.00	2240	1.1	0.00
1225	13.2	0.02	1735	41.8	0.02	2245	1.1	0.00
1230	12.3	0.04	1740	39.3	0.00	2250	1.1	0.00
1235	11.9	0.02	1745	36.9	0.00	2255	1.1	0.00
1240	11.9	0.17	1750	34.5	0.00	2300	1.1	0.00
1245	17.5	0.19	1755	31.4	0.00	2305	1.1	0.00
1250	30.6	0.02	1800	28.3	0.00	2310	1.1	0.00
1255	41.8	0.02	1805	26.1	0.00	2315	1.1	0.00
1300	45.0	0.00	1810	24.0	0.00	2320	1.1	0.00
1305	75.6	0.00	1815	20.0	0.00	2325	1.1	0.00
1310	109.0	0.00	1820	18.2	0.00	2330	0.9	0.00
1315	111.0	0.00	1825	16.2	0.00	2335	0.9	0.00
1320	90.7	0.00	1830	14.5	0.00	2340	0.9	0.00
1325	70.5	0.02	1835	13.2	0.00	2345	0.9	0.00
1330	53.5	0.00	1840	11.9	0.00	2350	0.9	0.00
1335	42.6	0.00	1845	11.0	0.00	2355	0.9	0.00
1340	34.5	0.00	1850	10.1	0.00	June 17, 1989		
1345	28.3	0.00	1855	9.6	0.00	0000	0.9	0.00
1350	24.0	0.00	1900	8.7	0.00	0005	0.8	0.00
1355	20.2	0.00	1905	8.2	0.00	0010	0.8	0.00
1400	16.8	0.00	1910	7.4	0.00	0015	0.8	0.00
1405	14.5	0.00	1915	7.0	0.00	0020	0.8	0.00
1410	12.8	0.00	1920	6.5	0.00	0025	0.8	0.00
1415	11.4	0.00	1925	6.5	0.00	0030	0.8	0.00
1420	10.1	0.00	1930	6.0	0.00	0035	0.8	0.00
1425	9.1	0.00	1935	5.6	0.00	0040	0.8	0.00
1430	8.2	0.00	1940	5.2	0.00	0045	0.8	0.00
1435	7.8	0.00	1945	5.2	0.00	0050	0.8	0.00
1440	7.0	0.00	1950	4.8	0.00	0055	0.8	0.00
1445	6.5	0.00	1955	4.4	0.00	0100	0.8	0.00
1450	6.0	0.00	2000	4.4	0.00	0105	0.8	0.00
1455	5.6	0.00	2005	3.9	0.00	0110	0.8	0.00
1500	5.2	0.00	2010	3.9	0.00	0115	0.8	0.00
1505	4.8	0.00	2015	3.4	0.00	0120	0.8	0.00
1510	4.8	0.00	2020	3.4	0.00	0125	0.8	0.00
1515	4.4	0.00	2025	3.4	0.00	0130	0.8	0.00
1520	3.9	0.00	2030	2.9	0.00	0135	0.8	0.00
1525	3.9	0.00	2035	2.9	0.00	0140	0.6	0.00
1530	3.4	0.00	2040	2.9	0.00	0145	0.6	0.00
1535	2.9	0.00	2045	2.5	0.00	0150	0.6	0.00
1540	2.9	0.00	2050	2.5	0.00	0155	0.6	0.00
1545	2.9	0.00	2055	2.5	0.00	0200	0.6	0.00
1550	2.5	0.00	2100	2.5	0.00			
1555	2.5	0.00	2105	2.2	0.00			

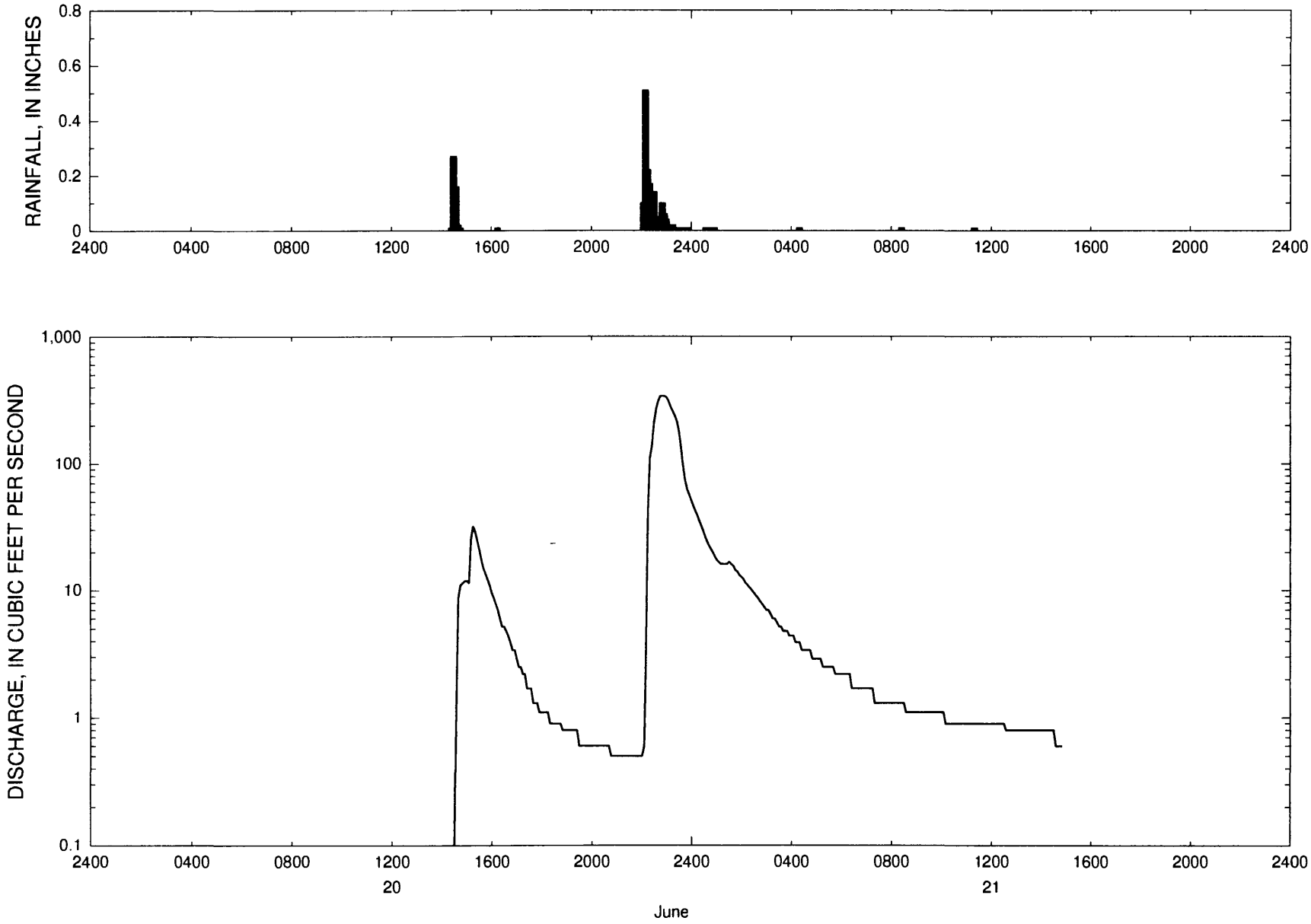


Figure 34.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, June 20-21, 1939.

Table 33.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, June 20-21, 1989

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
June 20, 1989			1945	0.6	0.00	0105	16.8	0.00
1425	0.1	0.01	1950	0.6	0.00	0110	16.2	0.00
1430	0.1	0.27	1955	0.6	0.00	0115	16.2	0.00
1435	1.3	0.16	2000	0.6	0.00	0120	16.2	0.00
1440	8.7	0.02	2005	0.6	0.00	0125	16.2	0.00
1445	11.0	0.01	2010	0.6	0.00	0130	16.8	0.00
1450	11.4	0.00	2015	0.6	0.00	0135	16.2	0.00
1455	11.9	0.00	2020	0.6	0.00	0140	15.6	0.00
1500	11.9	0.00	2025	0.6	0.00	0145	14.5	0.00
1505	11.4	0.00	2030	0.6	0.00	0150	14.1	0.00
1510	25.4	0.00	2035	0.6	0.00	0155	13.2	0.00
1515	32.2	0.00	2040	0.6	0.00	0200	12.8	0.00
1520	29.1	0.00	2045	0.5	0.00	0205	12.3	0.00
1525	24.7	0.00	2050	0.5	0.00	0210	11.4	0.00
1530	21.0	0.00	2055	0.5	0.00	0215	11.0	0.00
1535	17.5	0.00	2100	0.5	0.00	0220	10.5	0.00
1540	15.0	0.00	2105	0.5	0.00	0225	10.1	0.00
1545	13.7	0.00	2110	0.5	0.00	0230	9.6	0.00
1550	12.3	0.00	2115	0.5	0.00	0235	9.1	0.00
1555	11.0	0.00	2120	0.5	0.00	0240	8.7	0.00
1600	9.6	0.00	2125	0.5	0.00	0245	8.2	0.00
1605	8.7	0.00	2130	0.5	0.00	0250	7.8	0.00
1610	7.8	0.00	2135	0.5	0.00	0255	7.4	0.00
1615	7.0	0.01	2140	0.5	0.00	0300	7.0	0.00
1620	6.0	0.00	2145	0.5	0.00	0305	7.0	0.00
1625	5.2	0.00	2150	0.5	0.00	0310	6.5	0.00
1630	5.2	0.00	2155	0.5	0.00	0315	6.0	0.00
1635	4.8	0.00	2200	0.5	0.00	0320	6.0	0.00
1640	4.4	0.00	2205	0.6	0.10	0325	5.6	0.00
1645	3.9	0.00	2210	3.9	0.51	0330	5.2	0.00
1650	3.4	0.00	2215	42.6	0.22	0335	5.2	0.00
1655	3.4	0.00	2220	111.0	0.17	0340	4.8	0.00
1700	2.9	0.00	2225	139.0	0.14	0345	4.8	0.00
1705	2.5	0.00	2230	207.0	0.14	0350	4.8	0.00
1710	2.5	0.00	2235	269.0	0.05	0355	4.4	0.00
1715	2.2	0.00	2240	312.0	0.02	0400	4.4	0.00
1720	2.2	0.00	2245	339.0	0.02	0405	4.4	0.00
1725	1.7	0.00	2250	340.0	0.10	0410	3.9	0.00
1730	1.7	0.00	2255	341.0	0.06	0415	3.9	0.00
1735	1.7	0.00	2300	332.0	0.04	0420	3.9	0.01
1740	1.3	0.00	2305	310.0	0.01	0425	3.4	0.00
1745	1.3	0.00	2310	281.0	0.01	0430	3.4	0.00
1750	1.3	0.00	2315	260.0	0.02	0435	3.4	0.00
1755	1.1	0.00	2320	240.0	0.01	0440	3.4	0.00
1800	1.1	0.00	2325	215.0	0.01	0445	3.4	0.00
1805	1.1	0.00	2330	179.0	0.01	0450	2.9	0.00
1810	1.1	0.00	2335	133.0	0.01	0455	2.9	0.00
1815	1.1	0.00	2340	95.3	0.01	0500	2.9	0.00
1820	0.9	0.00	2345	73.5	0.00	0505	2.9	0.00
1825	0.9	0.00	2350	62.7	0.01	0510	2.9	0.00
1830	0.9	0.00	2355	56.2	0.00	0515	2.5	0.00
1835	0.9	0.00	June 21, 1989			0520	2.5	0.00
1840	0.9	0.00	0000	50.9	0.00	0525	2.5	0.00
1845	0.9	0.00	0005	45.8	0.00	0530	2.5	0.00
1850	0.8	0.00	0010	41.8	0.00	0535	2.5	0.00
1855	0.8	0.00	0015	38.5	0.00	0540	2.5	0.00
1900	0.8	0.00	0020	34.5	0.00	0545	2.2	0.00
1905	0.8	0.00	0025	31.4	0.00	0550	2.2	0.00
1910	0.8	0.00	0030	28.3	0.00	0555	2.2	0.00
1915	0 8	0.00	0035	25.4	0.01	0600	2.2	0.00
1920	0.8	0.00	0040	23.2	0.01	0605	2.2	0.00
1925	0.8	0.00	0045	21.7	0.00	0610	2.2	0.00
1930	0.6	0.00	0050	20.2	0.00	0615	2.2	0.00
1935	0.6	0.00	0055	18.8	0.01	0620	2.2	0.00
1940	0.6	0.00	0100	17.5	0.00	0625	1.7	0.00

Table 33.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, June 20-21, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
0630	1.7	0.00	0925	1.1	0.00	1220	0.9	0.00
0635	1.7	0.00	0930	1.1	0.00	1225	0.9	0.00
0640	1.7	0.00	0935	1.1	0.00	1230	0.9	0.00
0645	1.7	0.00	0940	1.1	0.00	1235	0.8	0.00
0650	1.7	0.00	0945	1.1	0.00	1240	0.8	0.00
0655	1.7	0.00	0950	1.1	0.00	1245	0.8	0.00
0700	1.7	0.00	0955	1.1	0.00	1250	0.8	0.00
0705	1.7	0.00	1000	1.1	0.00	1255	0.8	0.00
0710	1.7	0.00	1005	1.1	0.00	1300	0.8	0.00
0715	1.7	0.00	1010	0.9	0.00	1305	0.8	0.00
0720	1.3	0.00	1015	0.9	0.00	1310	0.8	0.00
0725	1.3	0.00	1020	0.9	0.00	1315	0.8	0.00
0730	1.3	0.00	1025	0.9	0.00	1320	0.8	0.00
0735	1.3	0.00	1030	0.9	0.00	1325	0.8	0.00
0740	1.3	0.00	1035	0.9	0.00	1330	0.8	0.00
0745	1.3	0.00	1040	0.9	0.00	1335	0.8	0.00
0750	1.3	0.00	1045	0.9	0.00	1340	0.8	0.00
0755	1.3	0.00	1050	0.9	0.00	1345	0.8	0.00
0800	1.3	0.00	1055	0.9	0.00	1350	0.8	0.00
0805	1.3	0.00	1100	0.9	0.00	1355	0.8	0.00
0810	1.3	0.00	1105	0.9	0.00	1400	0.8	0.00
0815	1.3	0.00	1110	0.9	0.00	1405	0.8	0.00
0820	1.3	0.00	1115	0.9	0.00	1410	0.8	0.00
0825	1.3	0.01	1120	0.9	0.01	1415	0.8	0.00
0830	1.3	0.00	1125	0.9	0.00	1420	0.8	0.00
0835	1.1	0.00	1130	0.9	0.00	1425	0.8	0.00
0840	1.1	0.00	1135	0.9	0.00	1430	0.8	0.00
0845	1.1	0.00	1140	0.9	0.00	1435	0.6	0.00
0850	1.1	0.00	1145	0.9	0.00	1440	0.6	0.00
0855	1.1	0.00	1150	0.9	0.00	1445	0.6	0.00
0900	1.1	0.00	1155	0.9	0.00	1450	0.6	0.00
0905	1.1	0.00	1200	0.9	0.00	1455	0.6	0.00
0910	1.1	0.00	1205	0.9	0.00	1500	0.6	0.00
0915	1.1	0.00	1210	0.9	0.00			
0920	1.1	0.00	1215	0.9	0.00			

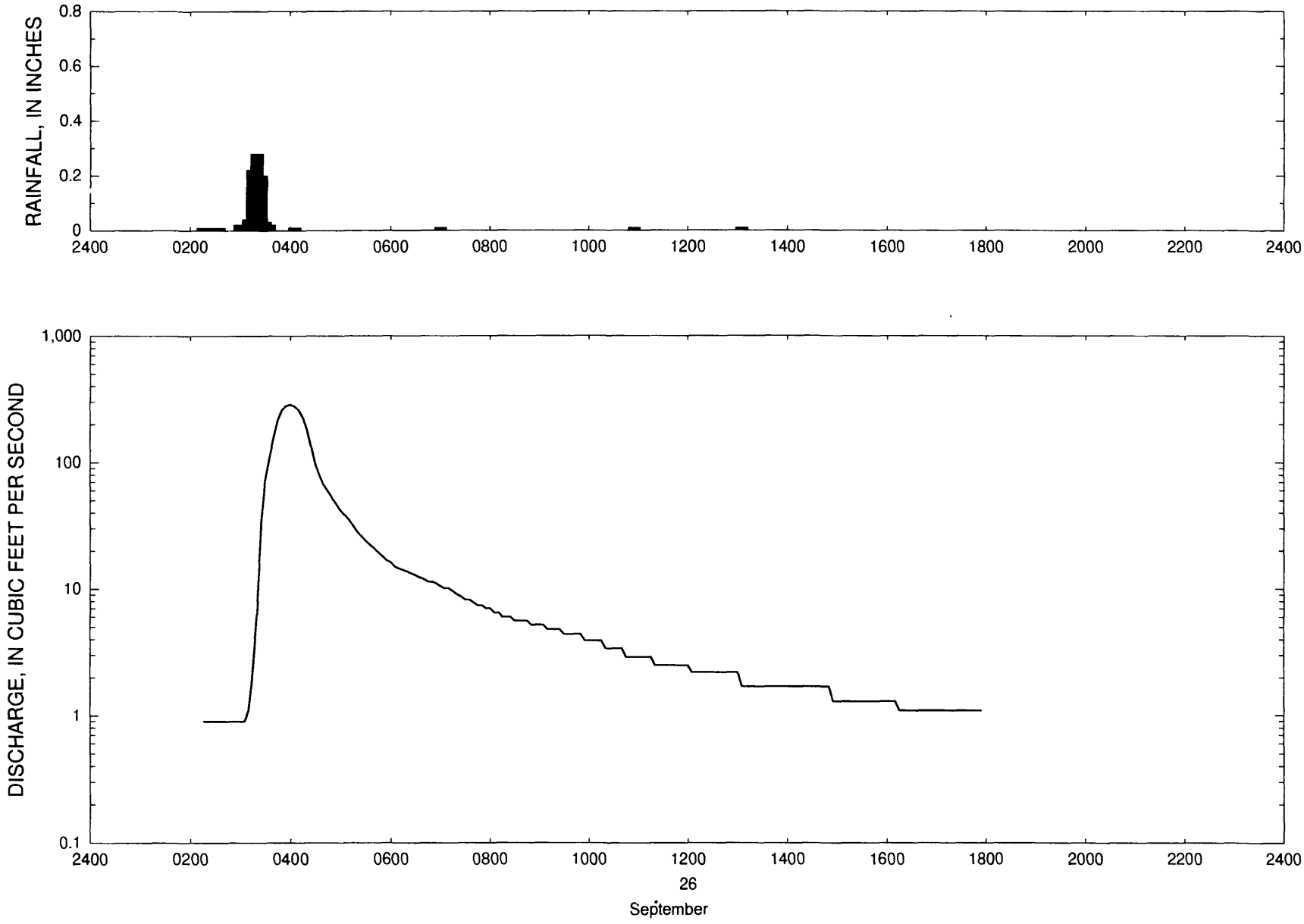


Figure 35.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, September 26, 1989.

Table 34.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, September 26, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 26, 1989			0730	8.2	0.00	1250	2.2	0.00
0215	0.9	0.01	0735	8.2	0.00	1255	2.2	0.00
0220	0.9	0.00	0740	7.8	0.00	1300	2.2	0.00
0225	0.9	0.00	0745	7.4	0.00	1305	1.7	0.01
0230	0.9	0.01	0750	7.4	0.00	1310	1.7	0.00
0235	0.9	0.01	0755	7.0	0.00	1315	1.7	0.00
0240	0.9	0.00	0800	7.0	0.00	1320	1.7	0.00
0245	0.9	0.00	0805	6.5	0.00	1325	1.7	0.00
0250	0.9	0.00	0810	6.5	0.00	1330	1.7	0.00
0255	0.9	0.00	0815	6.0	0.00	1335	1.7	0.00
0300	0.9	0.02	0820	6.0	0.00	1340	1.7	0.00
0305	0.9	0.01	0825	6.0	0.00	1345	1.7	0.00
0310	1.1	0.04	0830	5.6	0.00	1350	1.7	0.00
0315	2.2	0.22	0835	5.6	0.00	1355	1.7	0.00
0320	6.5	0.28	0840	5.6	0.00	1400	1.7	0.00
0325	32.2	0.20	0845	5.6	0.00	1405	1.7	0.00
0330	72.5	0.03	0850	5.2	0.00	1410	1.7	0.00
0335	109.0	0.02	0855	5.2	0.00	1415	1.7	0.00
0340	156.0	0.00	0900	5.2	0.00	1420	1.7	0.00
0345	215.0	0.00	0905	5.2	0.00	1425	1.7	0.00
0350	261.0	0.00	0910	4.8	0.00	1430	1.7	0.00
0355	281.0	0.00	0915	4.8	0.00	1435	1.7	0.00
0400	288.0	0.00	0920	4.8	0.00	1440	1.7	0.00
0405	279.0	0.01	0925	4.8	0.00	1445	1.7	0.00
0410	259.0	0.00	0930	4.4	0.00	1450	1.7	0.00
0415	226.0	0.00	0935	4.4	0.00	1455	1.3	0.00
0420	182.0	0.00	0940	4.4	0.00	1500	1.3	0.00
0425	132.0	0.00	0945	4.4	0.00	1505	1.3	0.00
0430	95.3	0.00	0950	4.4	0.00	1510	1.3	0.00
0435	78.7	0.00	0955	3.9	0.00	1515	1.3	0.00
0440	66.5	0.00	1000	3.9	0.00	1520	1.3	0.00
0445	58.9	0.00	1005	3.9	0.00	1525	1.3	0.00
0450	51.7	0.00	1010	3.9	0.00	1530	1.3	0.00
0455	46.6	0.00	1015	3.9	0.00	1535	1.3	0.00
0500	41.8	0.00	1020	3.4	0.00	1540	1.3	0.00
0505	38.5	0.00	1025	3.4	0.00	1545	1.3	0.00
0510	35.6	0.00	1030	3.4	0.00	1550	1.3	0.00
0515	31.4	0.00	1035	3.4	0.00	1555	1.3	0.00
0520	28.3	0.00	1040	3.4	0.00	1600	1.3	0.00
0525	26.1	0.00	1045	2.9	0.00	1605	1.3	0.00
0530	24.0	0.00	1050	2.9	0.00	1610	1.3	0.00
0535	22.4	0.00	1055	2.9	0.01	1615	1.1	0.00
0540	21.0	0.00	1100	2.9	0.00	1620	1.1	0.00
0545	19.5	0.00	1105	2.9	0.00	1625	1.1	0.00
0550	18.2	0.00	1110	2.9	0.00	1630	1.1	0.00
0555	16.8	0.00	1115	2.9	0.00	1635	1.1	0.00
0600	16.2	0.00	1120	2.5	0.00	1640	1.1	0.00
0605	15.0	0.00	1125	2.5	0.00	1645	1.1	0.00
0610	14.5	0.00	1130	2.5	0.00	1650	1.1	0.00
0615	14.1	0.00	1135	2.5	0.00	1655	1.1	0.00
0620	13.7	0.00	1140	2.5	0.00	1700	1.1	0.00
0625	13.2	0.00	1145	2.5	0.00	1705	1.1	0.00
0630	12.8	0.00	1150	2.5	0.00	1710	1.1	0.00
0635	12.3	0.00	1155	2.5	0.00	1715	1.1	0.00
0640	11.9	0.00	1200	2.5	0.00	1720	1.1	0.00
0645	11.4	0.00	1205	2.2	0.00	1725	1.1	0.00
0650	11.4	0.00	1210	2.2	0.00	1730	1.1	0.00
0655	11.0	0.00	1215	2.2	0.00	1735	1.1	0.00
0700	10.5	0.01	1220	2.2	0.00	1740	1.1	0.00
0705	10.1	0.00	1225	2.2	0.00	1745	1.1	0.00
0710	10.1	0.00	1230	2.2	0.00	1750	1.1	0.00
0715	9.6	0.00	1235	2.2	0.00	1755	1.1	0.00
0720	9.1	0.00	1240	2.2	0.00	1800	1.1	0.00
0725	8.7	0.00	1245	2.2	0.00	1805	1.1	0.00

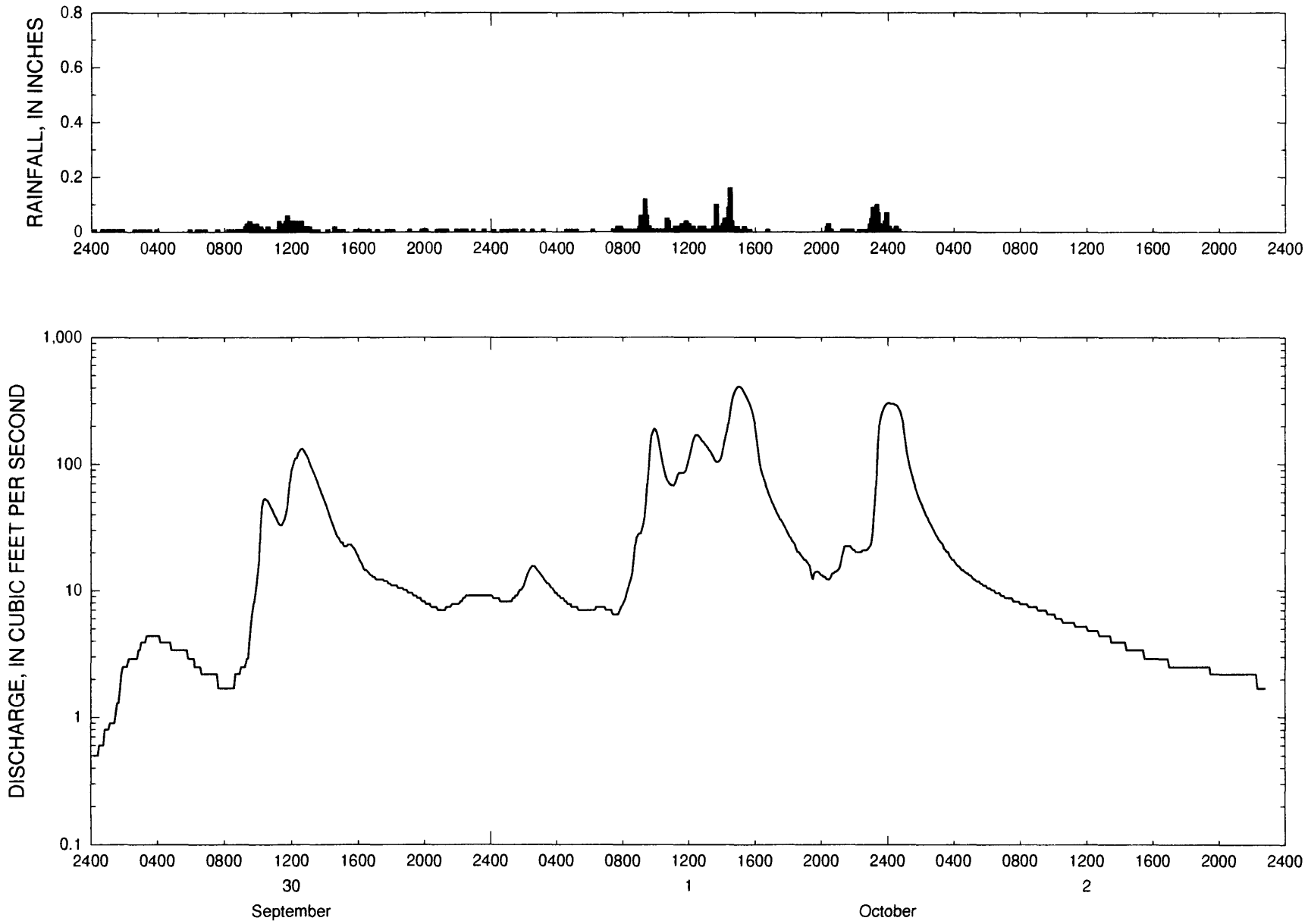


Figure 36.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, September 30-October 2, 1989.

Table 35.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, September 30 - October 2, 1989

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
September 30,1989			0530	3.4	0.00	1055	41.8	0.00
0010	0.5	0.01	0535	3.4	0.00	1100	39.3	0.00
0015	0.5	0.00	0540	3.4	0.00	1105	37.7	0.01
0020	0.5	0.00	0545	3.4	0.00	1110	35.3	0.01
0025	0.5	0.00	0550	2.9	0.00	1115	33.8	0.04
0030	0.6	0.00	0555	2.9	0.01	1120	33.0	0.02
0035	0.6	0.00	0600	2.9	0.00	1125	33.0	0.03
0040	0.6	0.01	0605	2.9	0.00	1130	34.5	0.03
0045	0.6	0.00	0610	2.9	0.00	1135	36.9	0.02
0050	0.8	0.00	0615	2.5	0.00	1140	40.2	0.04
0055	0.8	0.00	0620	2.5	0.01	1145	45.8	0.06
0100	0.8	0.01	0625	2.5	0.00	1150	58.9	0.04
0105	0.8	0.01	0630	2.5	0.01	1155	75.6	0.02
0110	0.9	0.00	0635	2.5	0.00	1200	89.6	0.04
0115	0.9	0.00	0640	2.2	0.00	1205	97.6	0.03
0120	0.9	0.01	0645	2.2	0.00	1210	106.0	0.03
0125	0.9	0.00	0650	2.2	0.01	1215	112.0	0.04
0130	1.1	0.00	0655	2.2	0.00	1220	112.0	0.00
0135	1.3	0.01	0700	2.2	0.00	1225	123.0	0.02
0140	1.3	0.00	0705	2.2	0.00	1230	128.0	0.02
0145	1.7	0.00	0710	2.2	0.00	1235	132.0	0.04
0150	2.2	0.01	0715	2.2	0.00	1240	133.0	0.00
0155	2.5	0.00	0720	2.2	0.00	1245	129.0	0.02
0200	2.5	0.00	0725	2.2	0.00	1250	122.0	0.02
0205	2.5	0.00	0730	2.2	0.00	1255	117.0	0.02
0210	2.5	0.00	0735	2.2	0.01	1300	111.0	0.00
0215	2.9	0.00	0740	1.7	0.00	1305	104.0	0.02
0220	2.9	0.00	0745	1.7	0.00	1310	96.5	0.01
0225	2.9	0.00	0750	1.7	0.00	1315	91.9	0.01
0230	2.9	0.00	0755	1.7	0.00	1320	86.3	0.01
0235	2.9	0.01	0800	1.7	0.00	1325	81.9	0.00
0240	2.9	0.00	0805	1.7	0.00	1330	76.6	0.01
0245	2.9	0.00	0810	1.7	0.00	1335	71.5	0.01
0250	3.4	0.00	0815	1.7	0.01	1340	66.5	0.00
0255	3.4	0.01	0820	1.7	0.00	1345	62.7	0.00
0300	3.9	0.00	0825	1.7	0.01	1350	58.0	0.00
0305	3.9	0.00	0830	1.7	0.00	1355	54.4	0.00
0310	3.9	0.01	0835	1.7	0.00	1400	50.9	0.00
0315	3.9	0.00	0840	2.2	0.00	1405	47.5	0.00
0320	4.4	0.00	0845	2.2	0.01	1410	44.2	0.01
0325	4.4	0.00	0850	2.2	0.00	1415	41.0	0.00
0330	4.4	0.01	0855	2.2	0.01	1420	37.7	0.00
0335	4.4	0.00	0900	2.5	0.00	1425	35.3	0.00
0340	4.4	0.00	0905	2.5	0.00	1430	33.0	0.00
0345	4.4	0.00	0910	2.5	0.00	1435	30.6	0.02
0350	4.4	0.00	0915	2.5	0.02	1440	28.3	0.00
0355	4.4	0.01	0920	2.9	0.03	1445	26.8	0.01
0400	4.4	0.00	0925	2.9	0.03	1450	26.1	0.00
0405	4.4	0.00	0930	3.9	0.04	1455	24.7	0.00
0410	3.9	0.00	0935	5.2	0.02	1500	24.0	0.00
0415	3.9	0.00	0940	6.5	0.03	1505	24.0	0.01
0420	3.9	0.00	0945	7.8	0.02	1510	22.4	0.00
0425	3.9	0.00	0950	9.1	0.01	1515	22.4	0.00
0430	3.9	0.00	0955	11.0	0.03	1520	22.4	0.00
0435	3.9	0.00	1000	13.7	0.01	1525	23.2	0.00
0440	3.9	0.00	1005	17.5	0.01	1530	23.2	0.00
0445	3.9	0.00	1010	32.2	0.02	1535	23.2	0.00
0450	3.4	0.00	1015	45.8	0.01	1540	22.4	0.00
0455	3.4	0.00	1020	51.7	0.01	1545	21.7	0.00
0500	3.4	0.00	1025	53.5	0.01	1550	21.0	0.01
0505	3.4	0.00	1030	52.6	0.00	1555	19.5	0.00
0510	3.4	0.00	1035	51.7	0.02	1600	18.8	0.00
0515	3.4	0.00	1040	49.2	0.00	1605	17.5	0.01
0520	3.4	0.00	1045	46.6	0.01	1610	16.8	0.00
0525	3.4	0.00	1050	44.2	0.01	1615	16.2	0.00

Table 35.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, September 30 - October 2, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1620	15.0	0.01	2145	7.8	0.00	0305	13.2	0.00
1625	14.5	0.00	2150	7.8	0.00	0310	12.8	0.01
1630	14.5	0.00	2155	7.8	0.01	0315	12.3	0.00
1635	14.1	0.00	2200	7.8	0.00	0320	11.9	0.00
1640	13.7	0.01	2205	7.8	0.00	0325	11.4	0.00
1645	13.2	0.00	2210	8.2	0.00	0330	11.4	0.00
1650	13.2	0.00	2215	8.2	0.01	0335	11.0	0.00
1655	12.8	0.00	2220	8.7	0.00	0340	10.5	0.00
1700	12.8	0.00	2225	8.7	0.00	0345	10.5	0.00
1705	12.3	0.00	2230	9.1	0.01	0350	10.1	0.00
1710	12.3	0.01	2235	9.1	0.00	0355	9.6	0.00
1715	12.3	0.00	2240	9.1	0.00	0400	9.6	0.00
1720	12.3	0.00	2245	9.1	0.00	0405	9.1	0.00
1725	12.3	0.00	2250	9.1	0.00	0410	9.1	0.00
1730	12.3	0.00	2255	9.1	0.01	0415	8.7	0.00
1735	11.9	0.00	2300	9.1	0.00	0420	8.7	0.00
1740	11.9	0.00	2305	9.1	0.00	0425	8.7	0.00
1745	11.9	0.01	2310	9.1	0.00	0430	8.2	0.00
1750	11.4	0.00	2315	9.1	0.00	0435	8.2	0.01
1755	11.4	0.00	2320	9.1	0.00	0440	7.8	0.00
1800	11.0	0.00	2325	9.1	0.00	0445	7.8	0.00
1805	11.0	0.01	2330	9.1	0.00	0450	7.8	0.01
1810	11.0	0.00	2335	9.1	0.01	0455	7.4	0.00
1815	11.0	0.00	2340	9.1	0.00	0500	7.4	0.00
1820	11.0	0.00	2345	9.1	0.00	0505	7.4	0.00
1825	10.5	0.00	2350	9.1	0.00	0510	7.4	0.01
1830	10.5	0.00	2355	9.1	0.00	0515	7.4	0.00
1835	10.5	0.00	October 01, 1989			0520	7.0	0.00
1840	10.5	0.00	0000	9.1	0.00	0525	7.0	0.00
1845	10.1	0.00	0005	9.1	0.00	0530	7.0	0.00
1850	10.1	0.00	0010	8.7	0.01	0535	7.0	0.00
1855	10.1	0.00	0015	8.7	0.00	0540	7.0	0.00
1900	9.6	0.00	0020	8.7	0.00	0545	7.0	0.00
1905	9.6	0.01	0025	8.7	0.00	0550	7.0	0.00
1910	9.6	0.00	0030	8.7	0.00	0555	7.0	0.00
1915	9.6	0.00	0035	8.2	0.00	0600	7.0	0.00
1920	9.1	0.00	0040	8.2	0.01	0605	7.0	0.00
1925	9.1	0.00	0045	8.2	0.00	0610	7.0	0.01
1930	9.1	0.00	0050	8.2	0.01	0615	7.0	0.00
1935	8.7	0.00	0055	8.2	0.00	0620	7.0	0.00
1940	8.7	0.00	0100	8.2	0.01	0625	7.4	0.00
1945	8.7	0.00	0105	8.2	0.01	0630	7.4	0.00
1950	8.2	0.01	0110	8.2	0.00	0635	7.4	0.00
1955	8.2	0.00	0115	8.2	0.01	0640	7.4	0.00
2000	8.2	0.00	0120	8.7	0.01	0645	7.4	0.00
2005	7.8	0.01	0125	8.7	0.00	0650	7.4	0.00
2010	7.8	0.00	0130	9.1	0.01	0655	7.4	0.00
2015	7.8	0.00	0135	9.1	0.00	0700	7.0	0.00
2020	7.8	0.00	0140	9.6	0.00	0705	7.0	0.00
2025	7.4	0.00	0145	10.1	0.00	0710	7.0	0.00
2030	7.4	0.00	0150	10.1	0.00	0715	7.0	0.00
2035	7.4	0.00	0155	10.5	0.01	0720	7.0	0.00
2040	7.4	0.00	0200	11.0	0.00	0725	6.5	0.01
2045	7.4	0.01	0205	11.9	0.00	0730	6.5	0.00
2050	7.0	0.00	0210	12.8	0.00	0735	6.5	0.01
2055	7.0	0.00	0215	13.7	0.00	0740	6.5	0.02
2100	7.0	0.01	0220	14.5	0.00	0745	6.5	0.01
2105	7.0	0.01	0225	15.0	0.00	0750	7.0	0.02
2110	7.0	0.00	0230	15.6	0.01	0755	7.4	0.01
2115	7.0	0.00	0235	15.6	0.00	0800	7.8	0.01
2120	7.4	0.01	0240	15.6	0.00	0805	8.2	0.01
2125	7.4	0.00	0245	15.0	0.00	0810	8.7	0.01
2130	7.4	0.00	0250	14.5	0.00	0815	9.6	0.00
2135	7.4	0.00	0255	14.1	0.00	0820	10.5	0.00
2140	7.8	0.00	0300	13.7	0.00	0825	11.4	0.01

Table 35.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, September 30 - October 2, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0830	12.3	0.00	1355	108.0	0.02	1920	15.6	0.00
0835	13.7	0.00	1400	116.0	0.02	1925	13.2	0.00
0840	17.5	0.00	1405	131.0	0.03	1930	12.3	0.00
0845	22.4	0.01	1410	149.0	0.05	1935	13.7	0.00
0850	26.1	0.00	1415	166.0	0.05	1940	14.1	0.00
0855	27.6	0.01	1420	186.0	0.03	1945	14.1	0.00
0900	28.3	0.02	1425	214.0	0.09	1950	14.1	0.00
0905	28.3	0.06	1430	258.0	0.16	1955	13.7	0.00
0910	30.6	0.04	1435	300.0	0.04	2000	13.2	0.00
0915	33.8	0.04	1440	338.0	0.02	2005	13.2	0.00
0920	38.5	0.12	1445	366.0	0.02	2010	12.8	0.00
0925	50.9	0.06	1450	388.0	0.02	2015	12.8	0.00
0930	70.5	0.01	1455	403.0	0.02	2020	12.3	0.02
0935	94.2	0.02	1500	410.0	0.01	2025	12.3	0.03
0940	133.0	0.00	1505	409.0	0.01	2030	12.3	0.01
0945	167.0	0.01	1510	401.0	0.01	2035	12.8	0.01
0950	179.0	0.00	1515	387.0	0.00	2040	13.7	0.00
0955	190.0	0.01	1520	371.0	0.02	2045	13.7	0.00
1000	187.0	0.01	1525	353.0	0.00	2050	14.1	0.00
1005	176.0	0.00	1530	334.0	0.01	2055	14.1	0.00
1010	156.0	0.01	1535	316.0	0.00	2100	14.5	0.00
1015	135.0	0.00	1540	298.0	0.01	2105	15.0	0.00
1020	117.0	0.01	1545	278.0	0.00	2110	16.2	0.00
1025	102.0	0.00	1550	255.0	0.00	2115	18.6	0.01
1030	90.7	0.00	1555	229.0	0.00	2120	20.2	0.01
1035	81.9	0.01	1600	200.0	0.00	2125	22.4	0.00
1040	75.6	0.05	1605	166.0	0.00	2130	22.4	0.01
1045	72.5	0.04	1610	133.0	0.00	2135	22.4	0.00
1050	69.5	0.01	1615	109.0	0.00	2140	22.4	0.01
1055	68.5	0.00	1620	93.0	0.00	2145	22.4	0.00
1100	67.5	0.01	1625	84.1	0.00	2150	21.7	0.01
1105	67.5	0.01	1630	78.7	0.00	2155	21.0	0.00
1110	70.5	0.02	1635	73.5	0.00	2200	21.0	0.00
1115	75.6	0.02	1640	67.5	0.00	2205	20.2	0.00
1120	81.9	0.01	1645	62.7	0.01	2210	20.2	0.00
1125	85.2	0.01	1650	58.0	0.00	2215	20.2	0.01
1130	85.2	0.02	1655	54.4	0.00	2220	20.2	0.00
1135	85.2	0.03	1700	50.9	0.00	2225	20.2	0.01
1140	85.2	0.02	1705	48.3	0.00	2230	21.0	0.00
1145	86.3	0.03	1710	45.8	0.00	2235	21.0	0.01
1150	89.6	0.04	1715	43.4	0.00	2240	21.0	0.01
1155	97.6	0.03	1720	41.0	0.00	2245	21.0	0.01
1200	108.0	0.03	1725	39.3	0.00	2250	21.7	0.01
1205	119.0	0.02	1730	36.9	0.00	2255	22.4	0.03
1210	132.0	0.02	1735	36.1	0.00	2300	24.0	0.05
1215	148.0	0.02	1740	34.5	0.00	2305	29.1	0.09
1220	159.0	0.01	1745	33.0	0.00	2310	41.0	0.02
1225	169.0	0.01	1750	31.4	0.00	2315	55.3	0.06
1230	170.0	0.01	1755	29.8	0.00	2320	80.8	0.10
1235	169.0	0.01	1800	28.3	0.00	2325	143.0	0.07
1240	165.0	0.02	1805	26.8	0.00	2330	205.0	0.03
1245	159.0	0.00	1810	26.1	0.00	2335	235.0	0.00
1250	152.0	0.02	1815	24.7	0.00	2340	258.0	0.02
1255	149.0	0.02	1820	24.0	0.00	2345	275.0	0.01
1300	144.0	0.00	1825	23.2	0.00	2350	290.0	0.04
1305	140.0	0.01	1830	21.7	0.00	2355	299.0	0.07
1310	135.0	0.00	1835	20.2	0.00	October 02, 1989		
1315	129.0	0.00	1840	20.2	0.00	0000	305.0	0.02
1320	126.0	0.01	1845	19.5	0.00	0005	305.0	0.02
1325	120.0	0.00	1850	18.8	0.00	0010	300.0	0.00
1330	114.0	0.02	1855	18.2	0.00	0015	300.0	0.01
1335	108.0	0.02	1900	17.5	0.00	0020	300.0	0.00
1340	104.0	0.10	1905	17.5	0.00	0025	296.0	0.00
1345	104.0	0.02	1910	16.8	0.00	0030	293.0	0.02
1350	105.0	0.02	1915	16.2	0.00	0035	287.0	0.00

Table 35.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, September 30 - October 2, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0040	275.0	0.01	0605	10.5	0.00	1130	5.2	0.00
0045	261.0	0.00	0610	10.5	0.00	1135	5.2	0.00
0050	238.0	0.00	0615	10.1	0.00	1140	5.2	0.00
0055	213.0	0.00	0620	10.1	0.00	1145	5.2	0.00
0100	180.0	0.00	0625	10.1	0.00	1150	5.2	0.00
0105	148.0	0.00	0630	9.6	0.00	1155	5.2	0.00
0110	124.0	0.00	0635	9.6	0.00	1200	5.2	0.00
0115	108.0	0.00	0640	9.6	0.00	1205	4.8	0.00
0120	96.5	0.00	0645	9.6	0.00	1210	4.8	0.00
0125	87.4	0.00	0650	9.1	0.00	1215	4.8	0.00
0130	79.8	0.00	0655	9.1	0.00	1220	4.8	0.00
0135	72.5	0.00	0700	9.1	0.00	1225	4.8	0.00
0140	66.5	0.00	0705	8.7	0.00	1230	4.8	0.00
0145	61.7	0.00	0710	8.7	0.00	1235	4.8	0.00
0150	57.1	0.00	0715	8.7	0.00	1240	4.8	0.00
0155	53.5	0.00	0720	8.7	0.00	1245	4.4	0.00
0200	50.0	0.00	0725	8.7	0.00	1250	4.4	0.00
0205	47.5	0.00	0730	8.7	0.00	1255	4.4	0.00
0210	44.2	0.00	0735	8.2	0.00	1300	4.4	0.00
0215	41.8	0.00	0740	8.2	0.00	1305	4.4	0.00
0220	39.3	0.00	0745	8.2	0.00	1310	4.4	0.00
0225	37.7	0.00	0750	8.2	0.00	1315	4.4	0.00
0230	35.3	0.00	0755	8.2	0.00	1320	4.4	0.00
0235	33.8	0.00	0800	7.8	0.00	1325	4.4	0.00
0240	32.2	0.00	0805	7.8	0.00	1330	3.9	0.00
0245	30.6	0.00	0810	7.8	0.00	1335	3.9	0.00
0250	29.1	0.00	0815	7.8	0.00	1340	3.9	0.00
0255	27.6	0.00	0820	7.8	0.00	1345	3.9	0.00
0300	26.8	0.00	0825	7.8	0.00	1350	3.9	0.00
0305	25.4	0.00	0830	7.4	0.00	1355	3.9	0.00
0310	24.7	0.00	0835	7.4	0.00	1400	3.9	0.00
0315	24.0	0.00	0840	7.4	0.00	1405	3.9	0.00
0320	23.2	0.00	0845	7.4	0.00	1410	3.9	0.00
0325	21.7	0.00	0850	7.4	0.00	1415	3.9	0.00
0330	21.0	0.00	0855	7.4	0.00	1420	3.9	0.00
0335	20.2	0.00	0900	7.4	0.00	1425	3.4	0.00
0340	20.2	0.00	0905	7.0	0.00	1430	3.4	0.00
0345	18.8	0.00	0910	7.0	0.00	1435	3.4	0.00
0350	18.2	0.00	0915	7.0	0.00	1440	3.4	0.00
0355	17.5	0.00	0920	7.0	0.00	1445	3.4	0.00
0400	17.5	0.00	0925	7.0	0.00	1450	3.4	0.00
0405	16.8	0.00	0930	7.0	0.00	1455	3.4	0.00
0410	16.2	0.00	0935	7.0	0.00	1500	3.4	0.00
0415	15.6	0.00	0940	6.5	0.00	1505	3.4	0.00
0420	15.6	0.00	0945	6.5	0.00	1510	3.4	0.00
0425	15.0	0.00	0950	6.5	0.00	1515	3.4	0.00
0430	14.5	0.00	0955	6.5	0.00	1520	3.4	0.00
0435	14.5	0.00	1000	6.5	0.00	1525	3.4	0.00
0440	14.1	0.00	1005	6.5	0.00	1530	2.9	0.00
0445	13.7	0.00	1010	6.0	0.00	1535	2.9	0.00
0450	13.7	0.00	1015	6.0	0.00	1540	2.9	0.00
0455	13.2	0.00	1020	6.0	0.00	1545	2.9	0.00
0500	13.2	0.00	1025	6.0	0.00	1550	2.9	0.00
0505	12.8	0.00	1030	6.0	0.00	1555	2.9	0.00
0510	12.3	0.00	1035	5.6	0.00	1600	2.9	0.00
0515	12.3	0.00	1040	5.6	0.00	1605	2.9	0.00
0520	11.9	0.00	1045	5.6	0.00	1610	2.9	0.00
0525	11.9	0.00	1050	5.6	0.00	1615	2.9	0.00
0530	11.9	0.00	1055	5.6	0.00	1620	2.9	0.00
0535	11.4	0.00	1100	5.6	0.00	1625	2.9	0.00
0540	11.4	0.00	1105	5.6	0.00	1630	2.9	0.00
0545	11.0	0.00	1110	5.6	0.00	1635	2.9	0.00
0550	11.0	0.00	1115	5.6	0.00	1640	2.9	0.00
0555	11.0	0.00	1120	5.2	0.00	1645	2.9	0.00
0600	10.5	0.00	1125	5.2	0.00	1650	2.9	0.00

Table 35.--Streamflow and rainfall at station 02146100, Manchester Creek tributary at Rock Hill, September 30 - October 2, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1655	2.9	0.00	1900	2.5	0.00	2105	2.2	0.00
1700	2.5	0.00	1905	2.5	0.00	2110	2.2	0.00
1705	2.5	0.00	1910	2.5	0.00	2115	2.2	0.00
1710	2.5	0.00	1915	2.5	0.00	2120	2.2	0.00
1715	2.5	0.00	1920	2.5	0.00	2125	2.2	0.00
1720	2.5	0.00	1925	2.5	0.00	2130	2.2	0.00
1725	2.5	0.00	1930	2.2	0.00	2135	2.2	0.00
1730	2.5	0.00	1935	2.2	0.00	2140	2.2	0.00
1735	2.5	0.00	1940	2.2	0.00	2145	2.2	0.00
1740	2.5	0.00	1945	2.2	0.00	2150	2.2	0.00
1745	2.5	0.00	1950	2.2	0.00	2155	2.2	0.00
1750	2.5	0.00	1955	2.2	0.00	2200	2.2	0.00
1755	2.5	0.00	2000	2.2	0.00	2205	2.2	0.00
1800	2.5	0.00	2005	2.2	0.00	2210	2.2	0.00
1805	2.5	0.00	2010	2.2	0.00	2215	2.2	0.00
1810	2.5	0.00	2015	2.2	0.00	2220	1.7	0.00
1815	2.5	0.00	2020	2.2	0.00	2225	1.7	0.00
1820	2.5	0.00	2025	2.2	0.00	2230	1.7	0.00
1825	2.5	0.00	2030	2.2	0.00	2235	1.7	0.00
1830	2.5	0.00	2035	2.2	0.00	2240	1.7	0.00
1835	2.5	0.00	2040	2.2	0.00	2245	1.7	0.00
1840	2.5	0.00	2045	2.2	0.00	2250	1.7	0.00
1845	2.5	0.00	2050	2.2	0.00	2255	1.7	0.00
1850	2.5	0.00	2055	2.2	0.00	2300	1.7	0.00
1855	2.5	0.00	2100	2.2	0.00			

Station 02156250, Chinquapin Creek Tributary at Spartanburg, S.C.

Location.--Lat 34°57'34", long 81°55'29", Spartanburg County, Hydrologic Unit 03050105, at culvert on Pine Street (U.S. Highway 176), about 0.8 mi east of Rutledge College, and 0.9 mi northeast of Spartanburg City Hall, and 0.1 mi upstream from the mouth at Chinquapin Creek.

Period of record.-- December 17, 1985 to March 6, 1987

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to a free-standing platform on the left bank 20 ft upstream of a double 7 ft by 7 ft concrete box culvert. A crest-stage indicator is located on the downstream left wingwall.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 0.5 ft^3/s. The stage-streamflow relation was extended to 600 ft^3/s using indirect computational methods.

Rain gage and location.--Station 345736081552500, lat 34°57'36", long 81°55'25". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval on a lot belonging to the Piedmont Gas Company on U.S. Highway 176, about 0.8 mi east of Rutledge College, and 0.9 mi northeast of Spartanburg City Hall.

Selected basin characteristics.--

Drainage area -- 0.52 mi^2
Physiographic province -- Piedmont
Channel slope -- 139.0 ft/mi
Channel length -- 1.15 mi
Total impervious area -- 47.0 percent
Basin development factor -- 10
2-year, 2-hour rainfall amount -- 2.00 in.

Flood frequency data:	UQ_2	567 ft^3/s
	UQ_5	831 ft^3/s
	UQ_{10}	1,000 ft^3/s
	UQ_{25}	1,210 ft^3/s
	UQ_{50}	1,360 ft^3/s
	UQ_{100}	1,500 ft^3/s
	UQ_{500}	1,810 ft^3/s

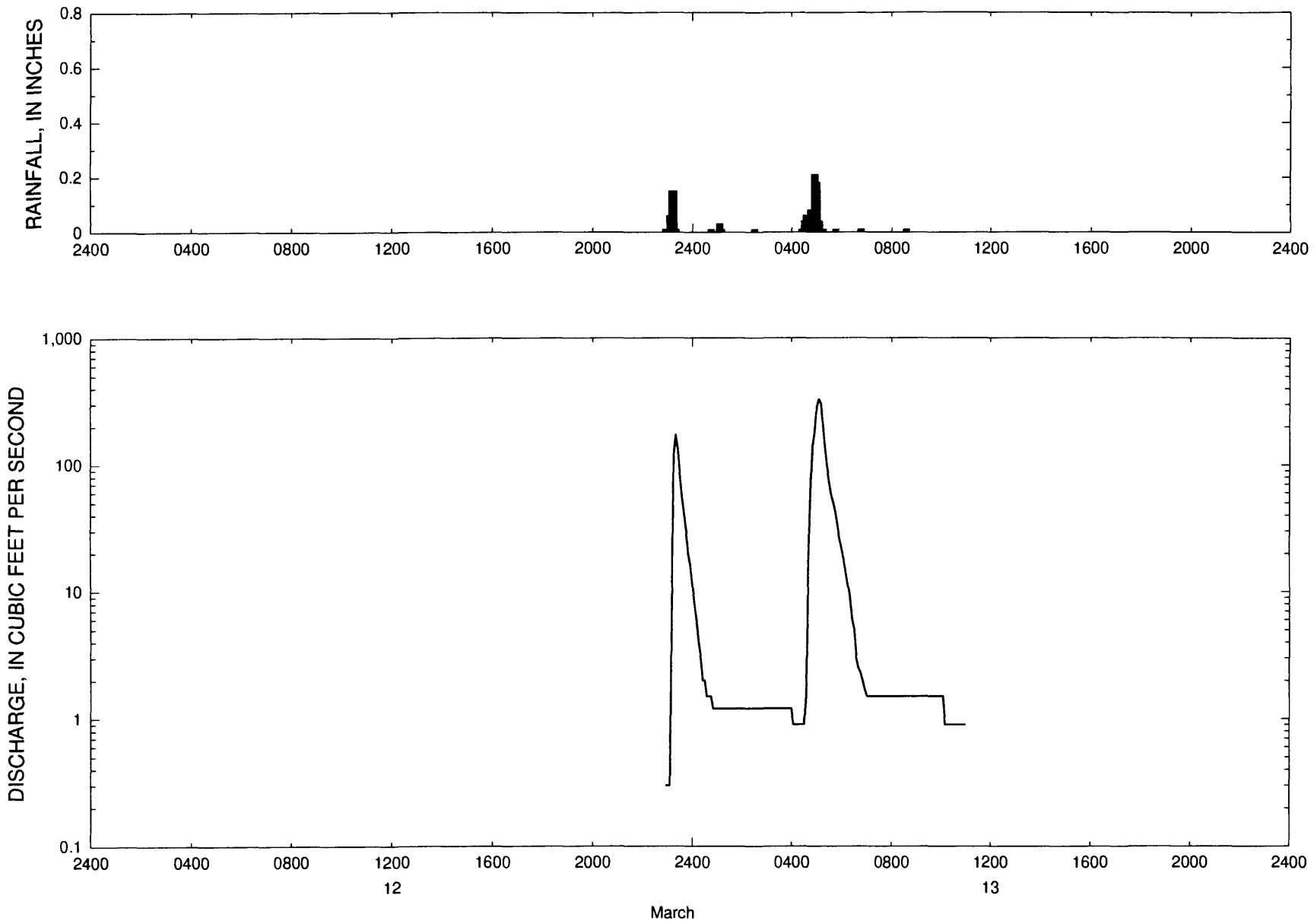


Figure 37.--Streamflow and rainfall at station 02156250, Chinquapin Creek tributary at Spartanburg, March 12-13, 1986.

Table 36.--Streamflow and rainfall at station 02156250, Chinquapin Creek tributary at Spartanburg, March 12-13, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
March 12, 1986			0255	1.2	0.00	0705	1.5	0.00
2255	0.3	0.01	0300	1.2	0.00	0710	1.5	0.00
2300	0.3	0.01	0305	1.2	0.00	0715	1.5	0.00
2305	0.3	0.06	0310	1.2	0.00	0720	1.5	0.00
2310	7.2	0.15	0315	1.2	0.00	0725	1.5	0.00
2315	121.0	0.15	0320	1.2	0.00	0730	1.5	0.00
2320	174.0	0.01	0325	1.2	0.00	0735	1.5	0.00
2325	135.0	0.00	0330	1.2	0.00	0740	1.5	0.00
2330	83.5	0.00	0335	1.2	0.00	0745	1.5	0.00
2335	56.0	0.00	0340	1.2	0.00	0750	1.5	0.00
2340	41.0	0.00	0345	1.2	0.00	0755	1.5	0.00
2345	30.0	0.00	0350	1.2	0.00	0800	1.5	0.00
2350	20.0	0.00	0355	1.2	0.00	0805	1.5	0.00
2355	16.0	0.00	0400	1.2	0.00	0810	1.5	0.00
March 13, 1986			0405	0.9	0.00	0815	1.5	0.00
0000	11.0	0.00	0410	0.9	0.00	0820	1.5	0.00
0005	8.0	0.00	0415	0.9	0.00	0825	1.5	0.00
0010	6.0	0.00	0420	0.9	0.00	0830	1.5	0.00
0015	4.0	0.00	0425	0.9	0.01	0835	1.5	0.01
0020	3.0	0.00	0430	0.9	0.04	0840	1.5	0.00
0025	2.0	0.00	0435	1.5	0.06	0845	1.5	0.00
0030	2.0	0.00	0440	15.1	0.06	0850	1.5	0.00
0035	1.5	0.00	0445	56.0	0.08	0855	1.5	0.00
0040	1.5	0.00	0450	140.0	0.06	0900	1.5	0.00
0045	1.5	0.01	0455	181.0	0.21	0905	1.5	0.00
0050	1.2	0.00	0500	289.0	0.18	0910	1.5	0.00
0055	1.2	0.00	0505	328.0	0.04	0915	1.5	0.00
0100	1.2	0.00	0510	304.0	0.00	0920	1.5	0.00
0105	1.2	0.03	0515	213.0	0.01	0925	1.5	0.00
0110	1.2	0.01	0520	139.0	0.00	0930	1.5	0.00
0115	1.2	0.00	0525	97.8	0.00	0935	1.5	0.00
0120	1.2	0.00	0530	73.5	0.00	0940	1.5	0.00
0125	1.2	0.00	0535	58.2	0.00	0945	1.5	0.00
0130	1.2	0.00	0540	50.5	0.00	0950	1.5	0.00
0135	1.2	0.00	0545	42.0	0.01	0955	1.5	0.00
0140	1.2	0.00	0550	33.0	0.00	1000	1.5	0.00
0145	1.2	0.00	0555	26.0	0.00	1005	1.5	0.00
0150	1.2	0.00	0600	22.0	0.00	1010	0.9	0.00
0155	1.2	0.00	0605	18.0	0.00	1015	0.9	0.00
0200	1.2	0.00	0610	14.0	0.00	1020	0.9	0.00
0205	1.2	0.00	0615	11.0	0.00	1025	0.9	0.00
0210	1.2	0.00	0620	9.0	0.00	1030	0.9	0.00
0215	1.2	0.00	0625	6.0	0.00	1035	0.9	0.00
0220	1.2	0.00	0630	5.0	0.00	1040	0.9	0.00
0225	1.2	0.00	0635	3.0	0.00	1045	0.9	0.00
0230	1.2	0.01	0640	2.5	0.00	1050	0.9	0.00
0235	1.2	0.00	0645	2.3	0.01	1055	0.9	0.00
0240	1.2	0.00	0650	2.0	0.00	1100	0.9	0.00
0245	1.2	0.00	0655	1.7	0.00	1105	0.9	0.00
0250	1.2	0.00	0700	1.5	0.00			

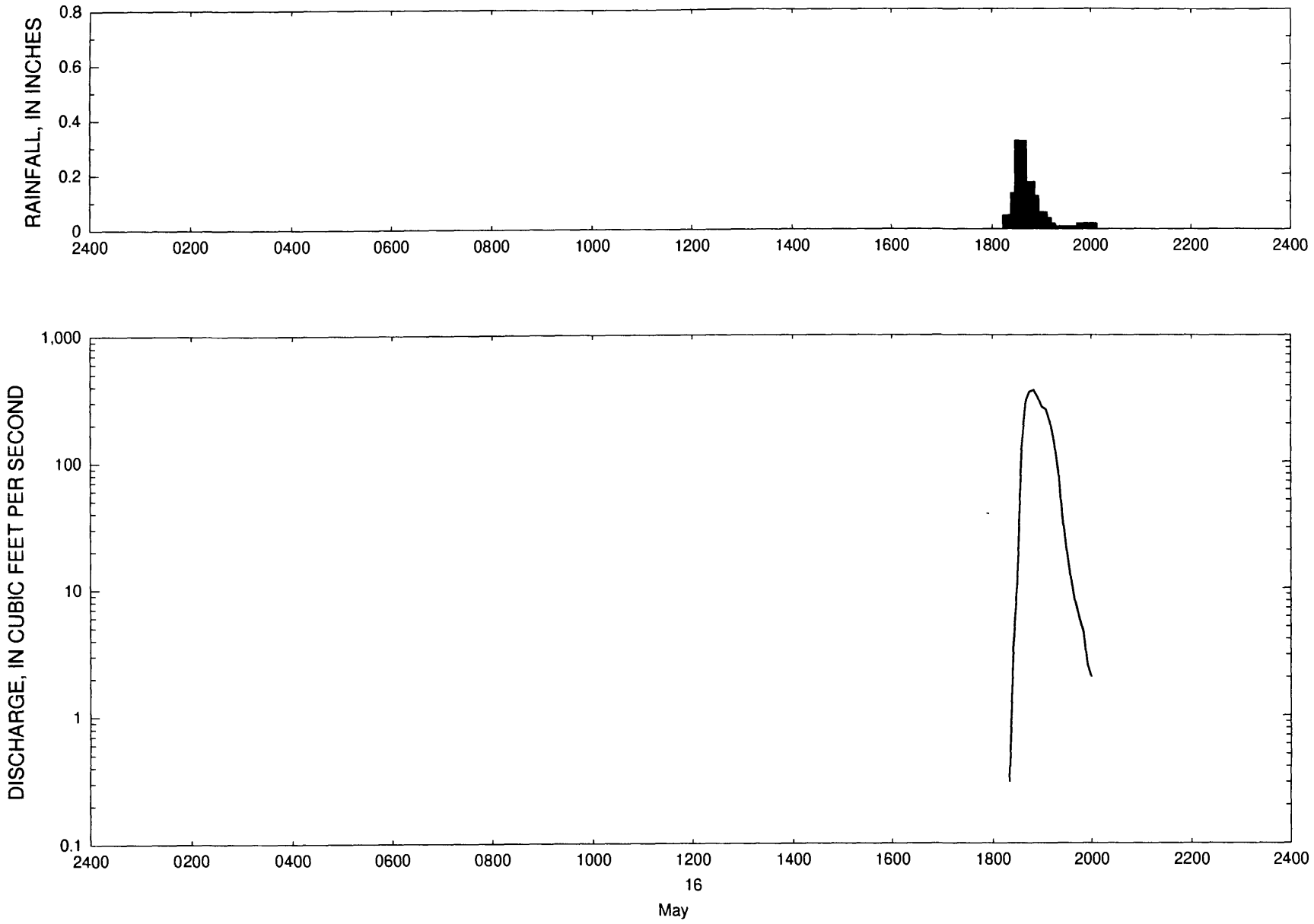


Figure 38.--Streamflow and rainfall at station 02156250, Chinquapin Creek tributary at Spartanburg, May 16, 1986.

Table 37.--Streamflow and rainfall at station 02156250, Chinquapin Creek tributary at Spartanburg, May 16, 1986

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
May 16, 1986			1855	324.0	0.06	1935	12.0	0.01
1820	0.3	0.05	1900	272.0	0.06	1940	8.0	0.01
1825	3.5	0.03	1905	259.0	0.04	1945	6.0	0.01
1830	12.9	0.13	1910	205.0	0.02	1950	4.5	0.02
1835	124.0	0.32	1915	144.0	0.01	1955	2.5	0.02
1840	295.0	0.15	1920	83.0	0.01	2000	2.0	0.02
1845	357.0	0.17	1925	36.0	0.01			
1850	368.0	0.12	1930	20.0	0.01			

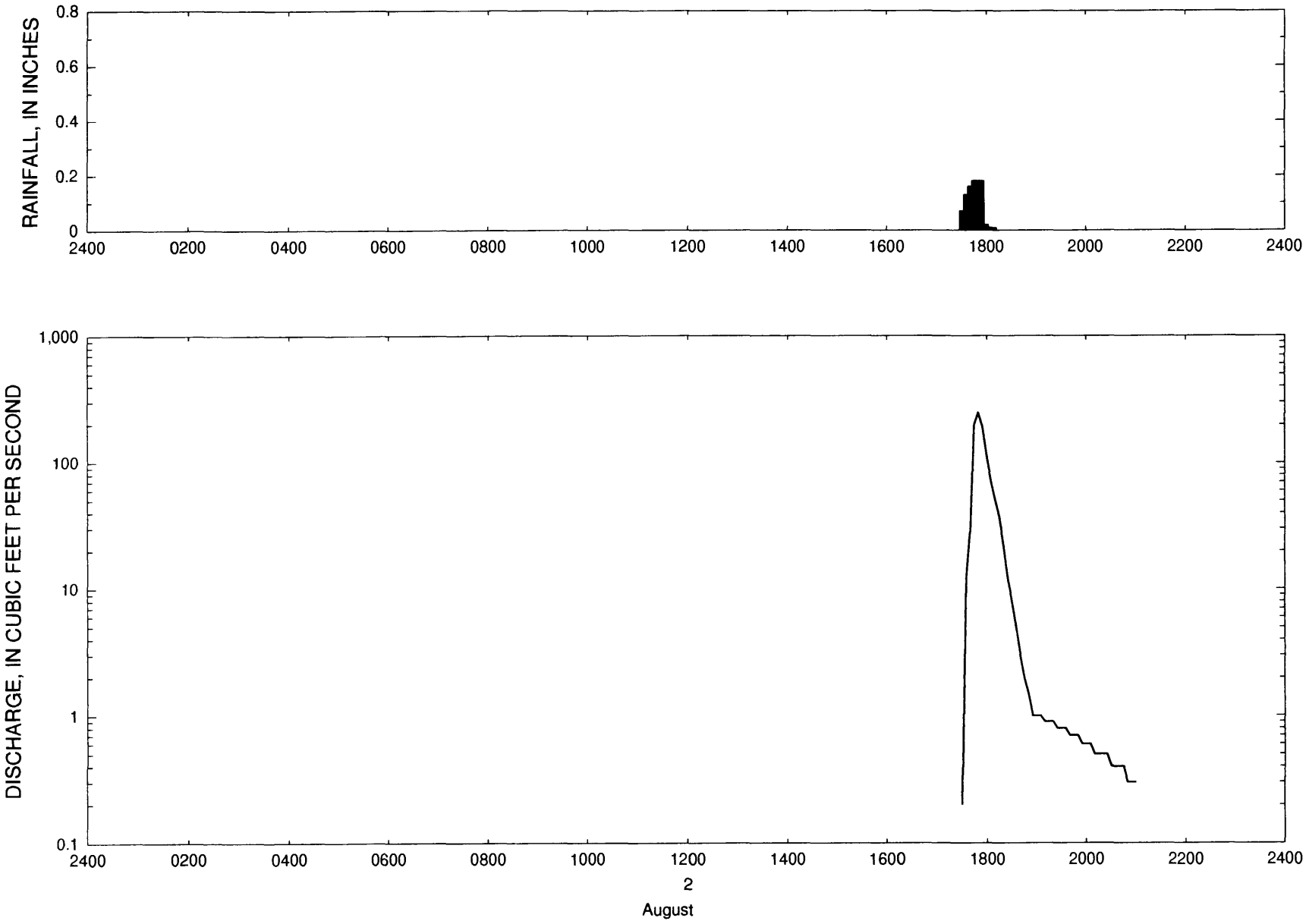


Figure 39.--Streamflow and rainfall at station 02156250, Chinquapin Creek tributary at Spartanburg, August 2, 1986.

Table 38.--Streamflow and rainfall at station 02156250, Chinquapin Creek tributary at Spartanburg, August 2, 1986

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
August 2, 1986			1840	3.0	0.00	1955	0.6	0.00
1730	0.2	0.00	1845	2.0	0.00	2000	0.6	0.00
1735	12.3	0.07	1850	1.5	0.00	2005	0.6	0.00
1740	29.2	0.13	1855	1.0	0.00	2010	0.5	0.00
1745	198.0	0.16	1900	1.0	0.00	2015	0.5	0.00
1750	248.0	0.18	1905	1.0	0.00	2020	0.5	0.00
1755	191.0	0.02	1910	0.9	0.00	2025	0.5	0.00
1800	110.0	0.00	1915	0.9	0.00	2030	0.4	0.00
1805	71.1	0.01	1920	0.9	0.00	2035	0.4	0.00
1810	51.5	0.00	1925	0.8	0.00	2040	0.4	0.00
1815	37.2	0.00	1930	0.8	0.00	2045	0.4	0.00
1820	22.0	0.00	1935	0.8	0.00	2050	0.3	0.00
1825	12.0	0.00	1940	0.7	0.00	2055	0.3	0.00
1830	8.0	0.00	1945	0.7	0.00	2100	0.3	0.00
1835	5.0	0.00	1950	0.7	0.00			

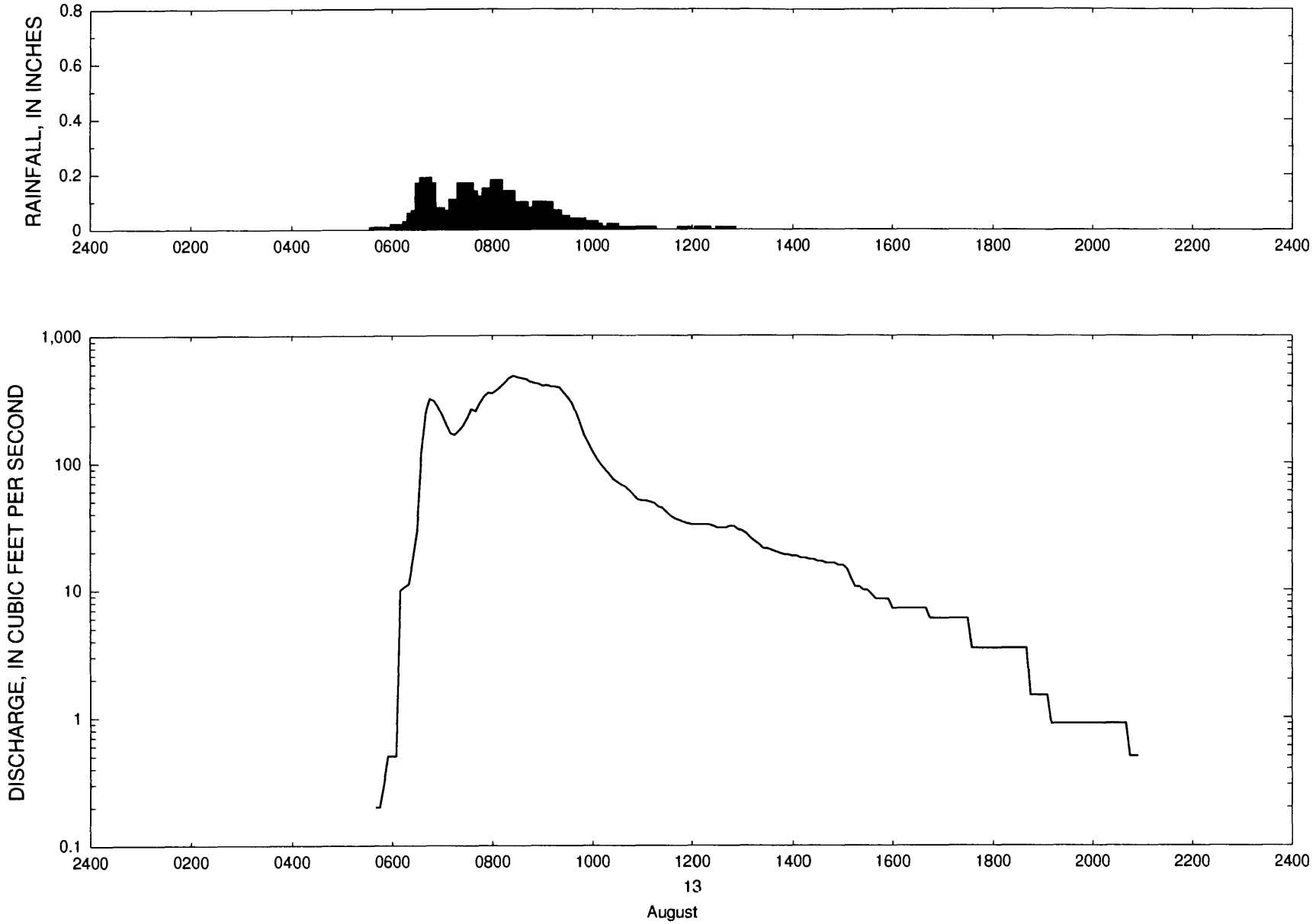


Figure 40.--Streamflow and rainfall at station 02156250, Chinquapin Creek tributary at Spartanburg, August 13, 1986.

Table 39.--Streamflow and rainfall at station 02156250, Chinquapin Creek tributary at Spartanburg, August 13, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 13, 1986			1045	60.5	0.01	1555	8.5	0.00
0540	0.2	0.01	1050	56.0	0.00	1600	7.2	0.00
0545	0.2	0.00	1055	51.5	0.01	1605	7.2	0.00
0550	0.3	0.00	1100	50.5	0.01	1610	7.2	0.00
0555	0.5	0.01	1105	50.5	0.00	1615	7.2	0.00
0600	0.5	0.00	1110	49.4	0.01	1620	7.2	0.00
0605	0.5	0.02	1115	48.3	0.00	1625	7.2	0.00
0610	10.0	0.00	1120	45.1	0.00	1630	7.2	0.00
0615	10.6	0.01	1125	44.1	0.00	1635	7.2	0.00
0620	11.2	0.03	1130	41.0	0.00	1640	7.2	0.00
0625	17.4	0.06	1135	38.1	0.00	1645	6.0	0.00
0630	29.2	0.07	1140	36.3	0.00	1650	6.0	0.00
0635	122.0	0.17	1145	35.4	0.00	1655	6.0	0.00
0640	245.0	0.19	1150	34.4	0.01	1700	6.0	0.00
0645	320.0	0.17	1155	33.5	0.00	1705	6.0	0.00
0650	310.0	0.08	1200	32.7	0.00	1710	6.0	0.00
0655	276.0	0.08	1205	32.7	0.00	1715	6.0	0.00
0700	236.0	0.05	1210	32.7	0.01	1720	6.0	0.00
0705	200.0	0.06	1215	32.7	0.01	1725	6.0	0.00
0710	172.0	0.07	1220	32.7	0.00	1730	6.0	0.00
0715	168.0	0.11	1225	31.8	0.00	1735	3.5	0.00
0720	181.0	0.05	1230	30.9	0.00	1740	3.5	0.00
0725	198.0	0.17	1235	30.9	0.01	1745	3.5	0.00
0730	227.0	0.17	1240	30.9	0.01	1750	3.5	0.00
0735	266.0	0.14	1245	31.8	0.01	1755	3.5	0.00
0740	256.0	0.08	1250	31.8	0.00	1800	3.5	0.00
0745	296.0	0.07	1255	30.0	0.00	1805	3.5	0.00
0750	333.0	0.12	1300	29.2	0.00	1810	3.5	0.00
0755	357.0	0.15	1305	27.7	0.00	1815	3.5	0.00
0800	354.0	0.13	1310	25.6	0.00	1820	3.5	0.00
0805	373.0	0.18	1315	24.2	0.00	1825	3.5	0.00
0810	399.0	0.14	1320	22.9	0.00	1830	3.5	0.00
0815	428.0	0.13	1325	21.2	0.00	1835	3.5	0.00
0820	466.0	0.14	1330	21.2	0.00	1840	3.5	0.00
0825	484.0	0.10	1335	20.6	0.00	1845	1.5	0.00
0830	473.0	0.10	1340	20.0	0.00	1850	1.5	0.00
0835	464.0	0.10	1345	19.5	0.00	1855	1.5	0.00
0840	457.0	0.07	1350	19.0	0.00	1900	1.5	0.00
0845	435.0	0.06	1355	19.0	0.00	1905	1.5	0.00
0850	424.0	0.08	1400	18.5	0.00	1910	0.9	0.00
0855	419.0	0.10	1405	18.5	0.00	1915	0.9	0.00
0900	404.0	0.10	1410	17.9	0.00	1920	0.9	0.00
0905	409.0	0.10	1415	17.9	0.00	1925	0.9	0.00
0910	400.0	0.05	1420	17.4	0.00	1930	0.9	0.00
0915	397.0	0.07	1425	17.4	0.00	1935	0.9	0.00
0920	392.0	0.05	1430	16.8	0.00	1940	0.9	0.00
0925	358.0	0.05	1435	16.8	0.00	1945	0.9	0.00
0930	328.0	0.03	1440	16.3	0.00	1950	0.9	0.00
0935	296.0	0.03	1445	16.3	0.00	1955	0.9	0.00
0940	250.0	0.04	1450	16.3	0.00	2000	0.9	0.00
0945	206.0	0.04	1455	15.7	0.00	2005	0.9	0.00
0950	166.0	0.02	1500	15.7	0.00	2010	0.9	0.00
0955	144.0	0.02	1505	14.6	0.00	2015	0.9	0.00
1000	124.0	0.03	1510	12.3	0.00	2020	0.9	0.00
1005	110.0	0.02	1515	10.6	0.00	2025	0.9	0.00
1010	97.8	0.01	1520	10.6	0.00	2030	0.9	0.00
1015	89.9	0.01	1525	10.0	0.00	2035	0.9	0.00
1020	82.2	0.01	1530	10.0	0.00	2040	0.9	0.00
1025	74.7	0.02	1535	9.2	0.00	2045	0.5	0.00
1030	71.1	0.00	1540	8.5	0.00	2050	0.5	0.00
1035	67.5	0.01	1545	8.5	0.00	2055	0.5	0.00
1040	65.1	0.00	1550	8.5	0.00	2100	0.5	0.00

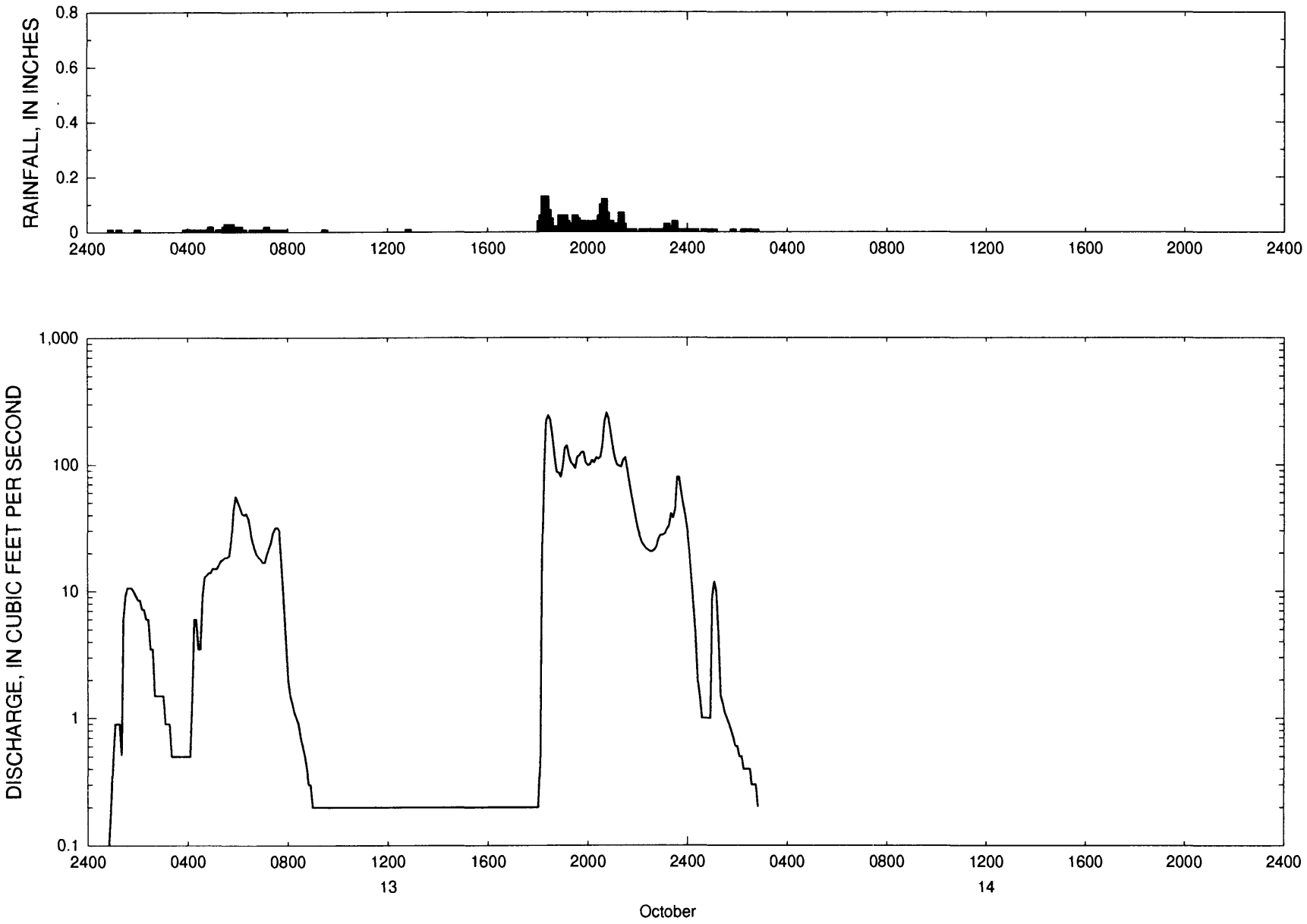


Figure 41.--Streamflow and rainfall at station 02156250, Chinquapin Creek tributary at Spartanburg, October 13-14, 1986.

Table 40.--Streamflow and rainfall at station 02156250, Chinquapin Creek tributary at Spartanburg, October 13-14, 1986

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
October 13, 1986			0610	41.0	0.00	1135	0.2	0.00
0050	0.1	0.00	0615	40.0	0.01	1140	0.2	0.00
0055	0.2	0.01	0620	41.0	0.00	1145	0.2	0.00
0100	0.5	0.00	0625	37.2	0.00	1150	0.2	0.00
0105	0.9	0.00	0630	30.0	0.00	1155	0.2	0.00
0110	0.9	0.00	0635	24.9	0.01	1200	0.2	0.00
0115	0.9	0.01	0640	21.8	0.00	1205	0.2	0.00
0120	0.5	0.00	0645	19.5	0.01	1210	0.2	0.00
0125	6.0	0.00	0650	18.5	0.01	1215	0.2	0.00
0130	9.2	0.00	0655	17.9	0.00	1220	0.2	0.00
0135	10.6	0.00	0700	16.8	0.01	1225	0.2	0.00
0140	10.6	0.00	0705	16.8	0.01	1230	0.2	0.00
0145	10.6	0.00	0710	19.5	0.02	1235	0.2	0.00
0150	10.0	0.00	0715	21.8	0.01	1240	0.2	0.00
0155	9.2	0.00	0720	24.2	0.01	1245	0.2	0.00
0200	8.5	0.01	0725	29.2	0.01	1250	0.2	0.01
0205	8.5	0.00	0730	31.8	0.01	1255	0.2	0.00
0210	7.2	0.00	0735	31.8	0.00	1300	0.2	0.00
0215	7.2	0.00	0740	30.0	0.01	1305	0.2	0.00
0220	6.0	0.00	0745	16.0	0.00	1310	0.2	0.00
0225	6.0	0.00	0750	8.0	0.01	1315	0.2	0.00
0230	3.5	0.00	0755	4.0	0.00	1320	0.2	0.00
0235	3.5	0.00	0800	2.0	0.00	1325	0.2	0.00
0240	1.5	0.00	0805	1.5	0.00	1330	0.2	0.00
0245	1.5	0.00	0810	1.3	0.00	1335	0.2	0.00
0250	1.5	0.00	0815	1.1	0.00	1340	0.2	0.00
0255	1.5	0.00	0820	1.0	0.00	1345	0.2	0.00
0300	1.5	0.00	0825	0.9	0.00	1350	0.2	0.00
0305	0.9	0.00	0830	0.7	0.00	1355	0.2	0.00
0310	0.9	0.00	0835	0.6	0.00	1400	0.2	0.00
0315	0.9	0.00	0840	0.5	0.00	1405	0.2	0.00
0320	0.5	0.00	0845	0.4	0.00	1410	0.2	0.00
0325	0.5	0.00	0850	0.3	0.00	1415	0.2	0.00
0330	0.5	0.00	0855	0.3	0.00	1420	0.2	0.00
0335	0.5	0.00	0900	0.2	0.00	1425	0.2	0.00
0340	0.5	0.00	0905	0.2	0.00	1430	0.2	0.00
0345	0.5	0.00	0910	0.2	0.00	1435	0.2	0.00
0350	0.5	0.00	0915	0.2	0.00	1440	0.2	0.00
0355	0.5	0.01	0920	0.2	0.00	1445	0.2	0.00
0400	0.5	0.00	0925	0.2	0.00	1450	0.2	0.00
0405	0.5	0.01	0930	0.2	0.01	1455	0.2	0.00
0410	1.5	0.01	0935	0.2	0.00	1500	0.2	0.00
0415	6.0	0.00	0940	0.2	0.00	1505	0.2	0.00
0420	6.0	0.00	0945	0.2	0.00	1510	0.2	0.00
0425	3.5	0.01	0950	0.2	0.00	1515	0.2	0.00
0430	3.5	0.00	0955	0.2	0.00	1520	0.2	0.00
0435	9.2	0.01	1000	0.2	0.00	1525	0.2	0.00
0440	12.9	0.00	1005	0.2	0.00	1530	0.2	0.00
0445	13.4	0.01	1010	0.2	0.00	1535	0.2	0.00
0450	14.0	0.00	1015	0.2	0.00	1540	0.2	0.00
0455	14.0	0.02	1020	0.2	0.00	1545	0.2	0.00
0500	15.1	0.00	1025	0.2	0.00	1550	0.2	0.00
0505	15.1	0.00	1030	0.2	0.00	1555	0.2	0.00
0510	15.1	0.00	1035	0.2	0.00	1600	0.2	0.00
0515	16.3	0.01	1040	0.2	0.00	1605	0.2	0.00
0520	17.4	0.01	1045	0.2	0.00	1610	0.2	0.00
0525	17.9	0.01	1050	0.2	0.00	1615	0.2	0.00
0530	18.5	0.02	1055	0.2	0.00	1620	0.2	0.00
0535	18.5	0.03	1100	0.2	0.00	1625	0.2	0.00
0540	19.0	0.03	1105	0.2	0.00	1630	0.2	0.00
0545	25.6	0.03	1110	0.2	0.00	1635	0.2	0.00
0550	44.1	0.01	1115	0.2	0.00	1640	0.2	0.00
0555	56.0	0.00	1120	0.2	0.00	1645	0.2	0.00
0600	50.5	0.02	1125	0.2	0.00	1650	0.2	0.00
0605	46.2	0.02	1130	0.2	0.00	1655	0.2	0.00

Table 40.--Streamflow and rainfall at station 02156250, Chinquapin Creek tributary at Spartanburg, October 13-14, 1986--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1700	0.2	0.00	2025	111.0	0.04	2350	48.3	0.00
1705	0.2	0.00	2030	115.0	0.06	2355	39.1	0.01
1710	0.2	0.00	2035	143.0	0.10	October 14, 1986		
1715	0.2	0.00	2040	220.0	0.12	0000	30.0	0.00
1720	0.2	0.00	2045	257.0	0.07	0005	21.0	0.01
1725	0.2	0.00	2050	232.0	0.04	0010	13.0	0.00
1730	0.2	0.00	2055	181.0	0.04	0015	8.0	0.00
1735	0.2	0.00	2100	140.0	0.02	0020	4.5	0.01
1740	0.2	0.00	2105	113.0	0.02	0025	2.0	0.00
1745	0.2	0.00	2110	100.0	0.03	0030	1.5	0.00
1750	0.2	0.00	2115	97.8	0.01	0035	1.0	0.00
1755	0.2	0.00	2120	96.4	0.07	0040	1.0	0.01
1800	0.2	0.00	2125	110.0	0.03	0045	1.0	0.01
1805	0.5	0.04	2130	114.0	0.01	0050	1.0	0.01
1810	17.9	0.06	2135	91.2	0.01	0055	1.0	0.00
1815	89.9	0.13	2140	69.9	0.00	0100	9.0	0.00
1820	222.0	0.13	2145	56.0	0.00	0105	12.0	0.01
1825	244.0	0.08	2150	46.2	0.01	0110	10.0	0.00
1830	226.0	0.05	2155	37.2	0.00	0115	4.5	0.00
1835	166.0	0.02	2200	30.9	0.00	0120	1.5	0.00
1840	115.0	0.02	2205	27.0	0.00	0125	1.3	0.00
1845	87.3	0.02	2210	24.2	0.01	0130	1.1	0.00
1850	86.0	0.01	2215	22.9	0.00	0135	1.0	0.00
1855	79.7	0.06	2220	21.8	0.00	0140	0.9	0.00
1900	97.8	0.06	2225	21.2	0.01	0145	0.8	0.00
1905	136.0	0.06	2230	20.6	0.01	0150	0.7	0.01
1910	142.0	0.04	2235	20.6	0.01	0155	0.6	0.00
1915	117.0	0.02	2240	21.2	0.01	0200	0.6	0.00
1920	104.0	0.03	2245	22.3	0.01	0205	0.5	0.00
1925	99.1	0.03	2250	25.6	0.01	0210	0.5	0.00
1930	93.8	0.06	2255	27.7	0.00	0215	0.4	0.01
1935	115.0	0.05	2300	27.7	0.01	0220	0.4	0.00
1940	118.0	0.04	2305	28.5	0.01	0225	0.4	0.00
1945	125.0	0.04	2310	30.9	0.03	0230	0.4	0.01
1950	126.0	0.03	2315	32.7	0.01	0235	0.3	0.00
1955	104.0	0.04	2320	41.0	0.01	0240	0.3	0.00
2000	99.1	0.04	2325	38.1	0.02	0245	0.3	0.01
2005	100.0	0.04	2330	44.1	0.04	0250	0.2	0.00
2010	109.0	0.03	2335	79.7	0.01	0255	0.2	0.00
2015	104.0	0.04	2340	79.7	0.01	0300	0.2	0.01
2020	114.0	0.04	2345	61.6	0.00			

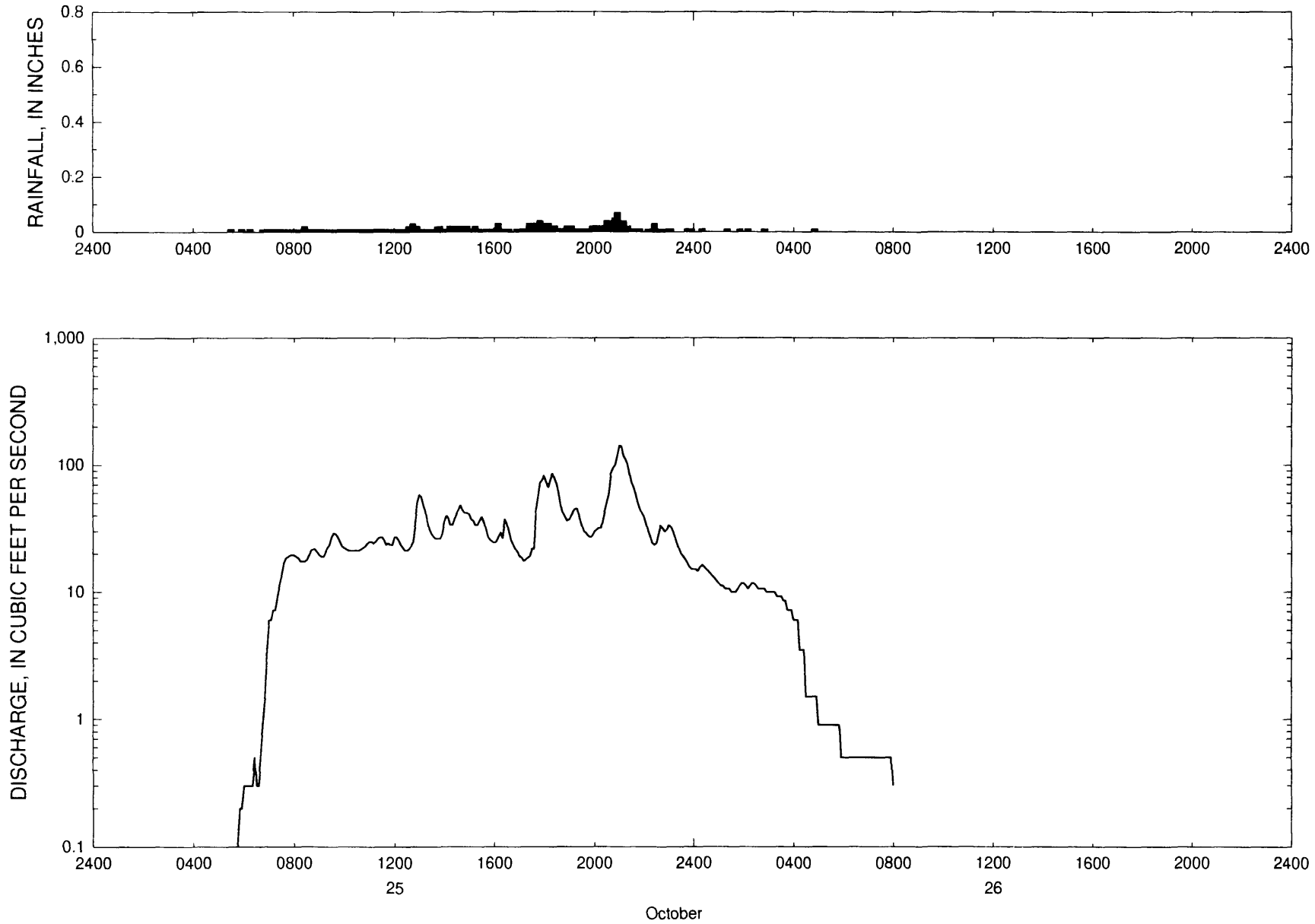


Figure 42.--Streamflow and rainfall at station 02156250, Chinquapin Creek tributary at Spartanburg, October 25-26, 1986.

Table 41.--Streamflow and rainfall at station 02156250, Chinquapin Creek tributary at Spartanburg, October 25-26, 1986

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
October 25, 1986			1050	22.9	0.01	1615	29.2	0.01
0530	0.1	0.01	1055	24.2	0.01	1620	26.3	0.00
0535	0.1	0.00	1100	24.9	0.01	1625	37.2	0.01
0540	0.1	0.00	1105	24.9	0.01	1630	34.4	0.00
0545	0.1	0.00	1110	24.2	0.01	1635	30.0	0.01
0550	0.2	0.00	1115	24.9	0.01	1640	25.6	0.00
0555	0.2	0.01	1120	26.3	0.01	1645	23.5	0.00
0600	0.3	0.00	1125	27.0	0.00	1650	21.8	0.00
0605	0.3	0.00	1130	27.0	0.01	1655	20.6	0.01
0610	0.3	0.00	1135	25.6	0.01	1700	19.0	0.00
0615	0.3	0.01	1140	23.5	0.01	1705	18.5	0.00
0620	0.3	0.00	1145	24.2	0.01	1710	17.4	0.01
0625	0.5	0.00	1150	23.5	0.01	1715	17.9	0.00
0630	0.3	0.00	1155	23.5	0.01	1720	18.5	0.01
0635	0.3	0.00	1200	27.0	0.00	1725	19.0	0.03
0640	0.5	0.00	1205	27.0	0.01	1730	21.8	0.03
0645	0.9	0.01	1210	25.6	0.00	1735	21.8	0.02
0650	1.5	0.00	1215	23.5	0.01	1740	43.1	0.03
0655	3.5	0.01	1220	22.3	0.01	1745	54.8	0.03
0700	6.0	0.00	1225	21.2	0.01	1750	72.3	0.04
0705	6.0	0.01	1230	21.2	0.00	1755	76.0	0.02
0710	7.2	0.01	1235	21.8	0.02	1800	82.2	0.02
0715	7.2	0.01	1240	22.9	0.02	1805	73.5	0.03
0720	9.2	0.01	1245	24.9	0.03	1810	66.3	0.03
0725	11.2	0.00	1250	34.4	0.02	1815	76.0	0.02
0730	13.4	0.01	1255	50.5	0.02	1820	86.0	0.02
0735	16.8	0.00	1300	58.2	0.01	1825	78.4	0.02
0740	18.5	0.01	1305	56.0	0.01	1830	69.9	0.01
0745	19.0	0.01	1310	48.3	0.01	1835	59.3	0.00
0750	19.5	0.00	1315	43.1	0.00	1840	48.3	0.01
0755	19.5	0.01	1320	35.4	0.01	1845	42.0	0.01
0800	19.5	0.00	1325	30.9	0.01	1850	39.1	0.01
0805	19.0	0.01	1330	28.5	0.01	1855	36.3	0.02
0810	18.5	0.00	1335	27.0	0.00	1900	37.2	0.01
0815	17.4	0.01	1340	26.3	0.01	1905	40.0	0.02
0820	17.4	0.01	1345	26.3	0.02	1910	43.1	0.01
0825	17.4	0.02	1350	26.3	0.02	1915	45.1	0.01
0830	17.9	0.01	1355	28.5	0.01	1920	45.1	0.01
0835	19.5	0.00	1400	35.4	0.01	1925	38.1	0.00
0840	21.2	0.01	1405	40.0	0.01	1930	33.5	0.00
0845	21.8	0.00	1410	38.1	0.01	1935	30.0	0.01
0850	21.8	0.01	1415	33.5	0.02	1940	29.2	0.01
0855	20.6	0.01	1420	33.5	0.01	1945	27.7	0.01
0900	19.5	0.01	1425	37.2	0.02	1950	27.0	0.01
0905	19.0	0.01	1430	41.0	0.02	1955	27.7	0.02
0910	19.0	0.01	1435	44.1	0.01	2000	29.9	0.00
0915	20.6	0.01	1440	48.3	0.02	2005	30.9	0.01
0920	22.3	0.01	1445	44.1	0.01	2010	31.8	0.02
0925	23.5	0.01	1450	42.0	0.01	2015	31.8	0.01
0930	27.0	0.01	1455	42.0	0.02	2020	35.4	0.01
0935	29.2	0.00	1500	41.0	0.00	2025	43.1	0.02
0940	28.5	0.01	1505	37.2	0.01	2030	50.5	0.04
0945	27.0	0.01	1510	36.3	0.01	2035	59.3	0.03
0950	24.9	0.00	1515	33.5	0.02	2040	86.0	0.04
0955	22.9	0.01	1520	33.5	0.01	2045	95.1	0.04
1000	22.3	0.01	1525	36.3	0.00	2050	100.0	0.05
1005	21.8	0.01	1530	39.1	0.01	2055	118.0	0.07
1010	21.2	0.00	1535	35.4	0.00	2100	142.0	0.04
1015	21.2	0.01	1540	30.9	0.01	2105	140.0	0.03
1020	21.2	0.00	1545	27.0	0.01	2110	119.0	0.04
1025	21.2	0.01	1550	25.6	0.00	2115	111.0	0.01
1030	21.2	0.01	1555	24.9	0.01	2120	102.0	0.02
1035	21.2	0.01	1600	24.2	0.00	2125	86.0	0.01
1040	21.8	0.00	1605	24.9	0.00	2130	72.3	0.01
1045	22.3	0.01	1610	27.0	0.03	2135	66.3	0.01

Table 41.--Streamflow and rainfall at station 02156250, Chinquapin Creek tributary at Spartanburg, October 25-26, 1986--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
2140	58.2	0.00	0105	11.2	0.00	0435	1.5	0.00
2145	50.5	0.01	0110	11.2	0.00	0440	1.5	0.00
2150	45.1	0.01	0115	10.6	0.00	0445	1.5	0.00
2155	42.0	0.00	0120	10.6	0.01	0450	1.5	0.01
2200	39.1	0.00	0125	10.6	0.00	0455	1.5	0.00
2205	34.4	0.00	0130	10.0	0.00	0500	0.9	0.00
2210	30.0	0.01	0135	10.0	0.00	0505	0.9	0.00
2215	27.0	0.00	0140	10.0	0.00	0510	0.9	0.00
2220	24.2	0.01	0145	10.6	0.00	0515	0.9	0.00
2225	23.5	0.03	0150	11.2	0.01	0520	0.9	0.00
2230	24.2	0.01	0155	11.7	0.00	0525	0.9	0.00
2235	28.5	0.00	0200	11.7	0.00	0530	0.9	0.00
2240	33.5	0.01	0205	11.2	0.00	0535	0.9	0.00
2245	31.8	0.01	0210	10.6	0.01	0540	0.9	0.00
2250	30.0	0.01	0215	11.2	0.00	0545	0.9	0.00
2255	30.9	0.01	0220	11.7	0.00	0550	0.9	0.00
2300	33.5	0.00	0225	11.7	0.00	0555	0.5	0.00
2305	32.7	0.01	0230	11.2	0.00	0600	0.5	0.00
2310	30.0	0.00	0235	10.6	0.00	0605	0.5	0.00
2315	27.0	0.00	0240	10.6	0.00	0610	0.5	0.00
2320	24.2	0.00	0245	10.6	0.00	0615	0.5	0.00
2325	21.8	0.00	0250	10.6	0.01	0620	0.5	0.00
2330	20.0	0.00	0255	10.0	0.00	0625	0.5	0.00
2335	19.0	0.00	0300	10.0	0.00	0630	0.5	0.00
2340	17.9	0.00	0305	10.0	0.00	0635	0.5	0.00
2345	16.8	0.01	0310	10.0	0.00	0640	0.5	0.00
2350	15.7	0.00	0315	10.0	0.00	0645	0.5	0.00
2355	15.1	0.01	0320	9.2	0.00	0650	0.5	0.00
October 26, 1986			0325	9.2	0.00	0655	0.5	0.00
0000	15.1	0.00	0330	9.2	0.00	0700	0.5	0.00
0005	15.1	0.00	0335	8.5	0.00	0705	0.5	0.00
0010	14.6	0.00	0340	8.5	0.00	0710	0.5	0.00
0015	15.7	0.00	0345	7.2	0.00	0715	0.5	0.00
0020	16.3	0.01	0350	7.2	0.00	0720	0.5	0.00
0025	15.7	0.00	0355	7.2	0.00	0725	0.5	0.00
0030	15.1	0.00	0400	6.0	0.00	0730	0.5	0.00
0035	14.6	0.00	0405	6.0	0.00	0735	0.5	0.00
0040	14.0	0.00	0410	6.0	0.00	0740	0.5	0.00
0045	13.4	0.00	0415	3.5	0.00	0745	0.5	0.00
0050	12.9	0.00	0420	3.5	0.00	0750	0.5	0.00
0055	12.3	0.00	0425	3.5	0.00	0755	0.5	0.00
0100	11.7	0.00	0430	1.5	0.00	0800	0.3	0.00

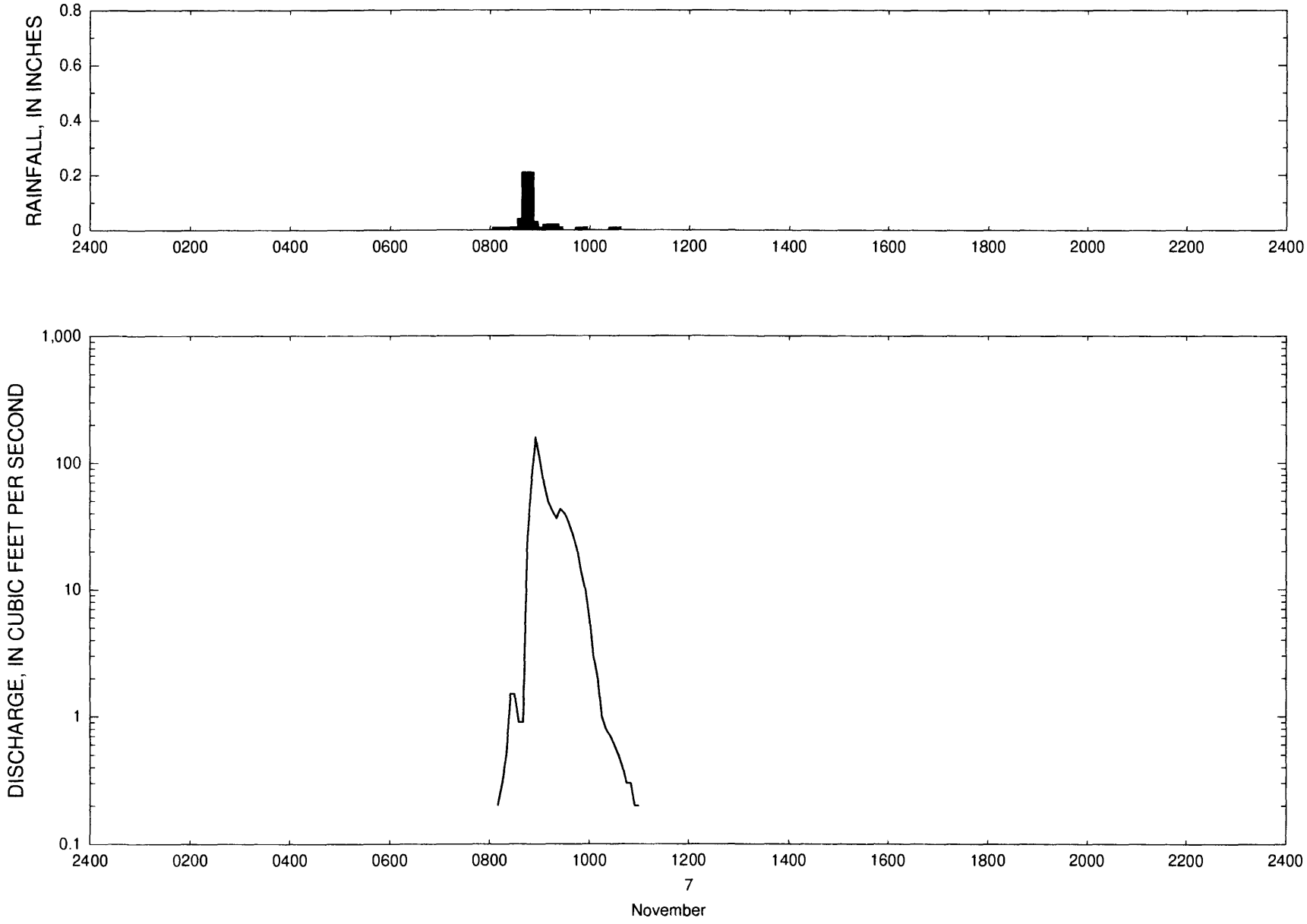


Figure 43.--Streamflow and rainfall at station 02156250, Chinquapin Creek tributary at Spartanburg, November 7, 1986.

Table 42.--Streamflow and rainfall at station 02156250, Chinquapin Creek tributary at Spartanburg, November 7, 1986

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
November 7, 1986			0905	67.5	0.01	1010	2.0	0.00
0805	0.2	0.01	0910	49.4	0.02	1015	1.0	0.00
0810	0.2	0.01	0915	42.0	0.02	1020	0.8	0.00
0815	0.3	0.00	0920	36.3	0.01	1025	0.7	0.00
0820	0.5	0.01	0925	43.1	0.00	1030	0.6	0.01
0825	1.5	0.00	0930	40.0	0.00	1035	0.5	0.00
0830	1.5	0.00	0935	33.5	0.00	1040	0.4	0.00
0835	0.9	0.01	0940	27.0	0.00	1045	0.3	0.00
0840	0.9	0.04	0945	21.0	0.00	1050	0.3	0.00
0845	22.9	0.21	0950	14.0	0.01	1055	0.2	0.00
0850	71.1	0.03	0955	10.0	0.00	1100	0.2	0.00
0855	159.0	0.01	1000	6.0	0.00			
0900	104.0	0.01	1005	3.0	0.00			

Station 02159785, Fairforest Creek Tributary at Spartanburg, S.C.

Location.--Lat 34°57'10", long 81°57'57", Spartanburg County, Hydrologic Unit 03050107, at culvert on Textile Road (State secondary road 485), 1.8 mi west of the Spartanburg courthouse, and 0.5 mi upstream from the mouth at Fairforest Creek.

Period of record.-- March 13, 1987 to November 2, 1990.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to a free-standing platform located on the right bank approximately 12 ft upstream from the single 6 ft by 8.2 ft concrete box culvert. An enameled staff gage is attached to the platform. A crest-stage indicator is located on the right downstream wingwall.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 4.1 ft^3/s. The stage-streamflow relation was extended to 200 ft^3/s using indirect computational methods.

Rain gage and location.--Station 345738081572900, lat 34°57'38", long 81°57'29". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval at the back lot of property located on Hayne Street (State secondary road 78), and 1.4 mi northwest of Spartanburg City Hall.

Selected basin characteristics.--

Drainage area -- 0.52 mi^2
Physiographic province -- Piedmont
Channel slope -- 112.0 ft/mi
Channel length -- 1.75 mi
Total impervious area -- 14.0 percent
Basin development factor -- 0
2-year, 2-hour rainfall amount -- 2.00 in.

Flood frequency data:	UQ_2	154 ft^3/s
	UQ_5	266 ft^3/s
	UQ_{10}	349 ft^3/s
	UQ_{25}	460 ft^3/s
	UQ_{50}	545 ft^3/s
	UQ_{100}	635 ft^3/s
	UQ_{500}	852 ft^3/s

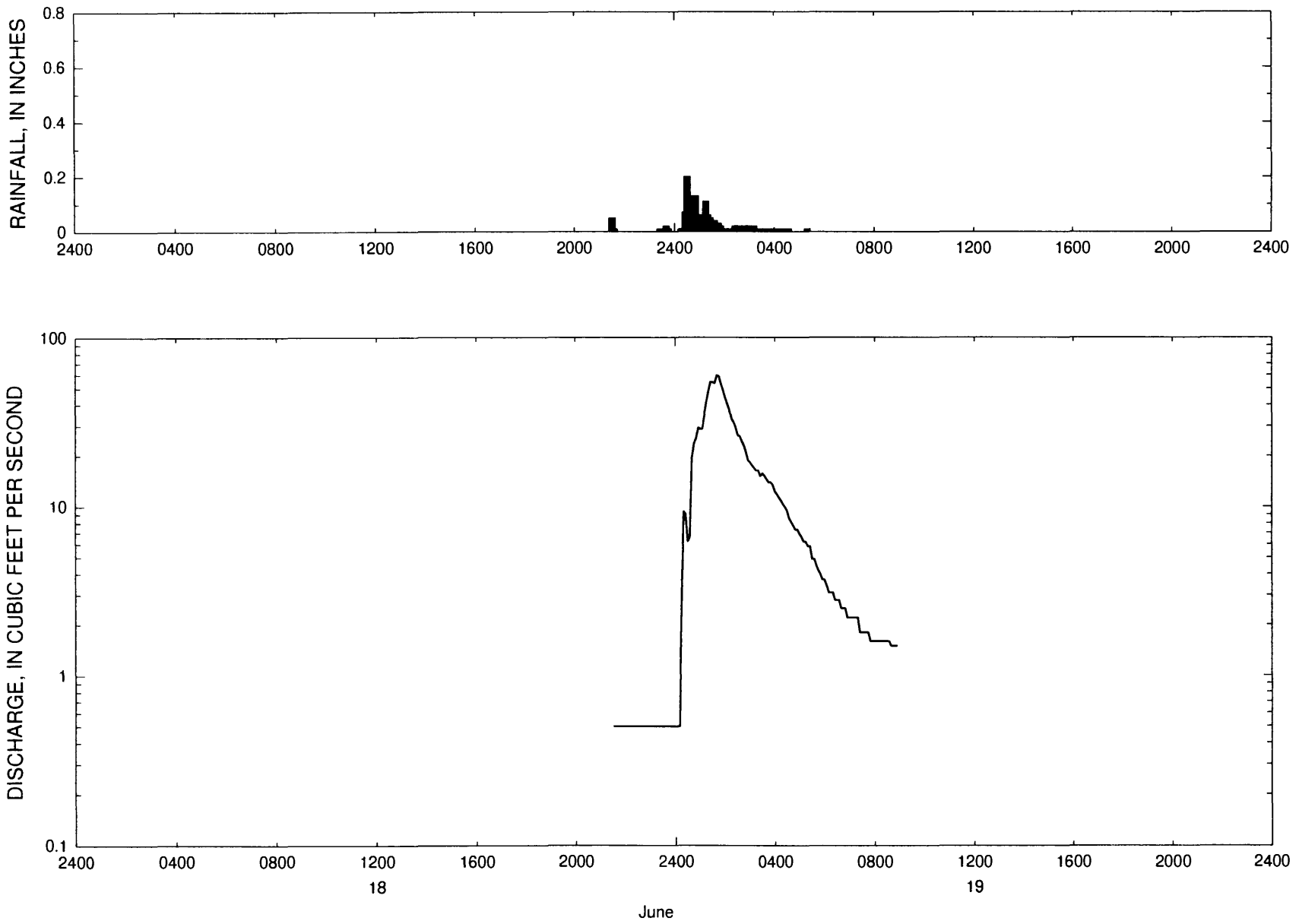


Figure 44.--Streamflow and rainfall at station 02159785, Fairforest Creek tributary at Spartanburg, June 18-19, 1987.

Table 43.--Streamflow and rainfall at station 02159785, Fairforest Creek tributary at Spartanburg, June 18-19, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 18, 1987			0115	41.3	0.11	0510	6.2	0.00
2130	0.5	0.05	0120	47.9	0.06	0515	6.2	0.00
2135	0.5	0.01	0125	54.3	0.05	0520	5.8	0.01
2140	0.5	0.00	0130	54.3	0.03	0525	5.8	0.00
2145	0.5	0.00	0135	53.5	0.04	0530	4.9	0.00
2150	0.5	0.00	0140	59.6	0.02	0535	4.9	0.00
2155	0.5	0.00	0145	58.8	0.03	0540	4.5	0.00
2200	0.5	0.00	0150	53.1	0.02	0545	4.2	0.00
2205	0.5	0.00	0155	49.1	0.01	0550	4.0	0.00
2210	0.5	0.00	0200	44.3	0.01	0555	3.7	0.00
2215	0.5	0.00	0205	40.9	0.00	0600	3.7	0.00
2220	0.5	0.00	0210	37.3	0.01	0605	3.4	0.00
2225	0.5	0.00	0215	33.0	0.01	0610	3.1	0.00
2230	0.5	0.00	0220	31.5	0.01	0615	3.1	0.00
2235	0.5	0.00	0225	29.3	0.02	0620	3.1	0.00
2240	0.5	0.00	0230	26.5	0.02	0625	2.8	0.00
2245	0.5	0.00	0235	26.0	0.02	0630	2.8	0.00
2250	0.5	0.00	0240	24.3	0.01	0635	2.8	0.00
2255	0.5	0.00	0245	22.9	0.02	0640	2.5	0.00
2300	0.5	0.00	0250	20.9	0.01	0645	2.5	0.00
2305	0.5	0.00	0255	18.8	0.02	0650	2.5	0.00
2310	0.5	0.00	0300	18.2	0.02	0655	2.2	0.00
2315	0.5	0.00	0305	17.5	0.02	0700	2.2	0.00
2320	0.5	0.00	0310	16.9	0.02	0705	2.2	0.00
2325	0.5	0.01	0315	16.3	0.01	0710	2.2	0.00
2330	0.5	0.00	0320	16.3	0.01	0715	2.2	0.00
2335	0.5	0.01	0325	15.1	0.01	0720	2.2	0.00
2340	0.5	0.02	0330	15.7	0.01	0725	1.8	0.00
2345	0.5	0.01	0335	15.1	0.01	0730	1.8	0.00
2350	0.5	0.00	0340	14.5	0.01	0735	1.8	0.00
2355	0.5	0.00	0345	13.9	0.01	0740	1.8	0.00
June 19, 1987			0350	13.9	0.00	0745	1.8	0.00
0000	0.5	0.00	0355	13.4	0.01	0750	1.6	0.00
0005	0.5	0.00	0400	12.3	0.00	0755	1.6	0.00
0010	0.5	0.00	0405	11.8	0.01	0800	1.6	0.00
0015	3.1	0.01	0410	11.3	0.01	0805	1.6	0.00
0020	9.4	0.00	0415	10.8	0.00	0810	1.6	0.00
0025	9.0	0.07	0420	10.3	0.01	0815	1.6	0.00
0030	6.2	0.20	0425	9.9	0.00	0820	1.6	0.00
0035	6.6	0.10	0430	9.4	0.00	0825	1.6	0.00
0040	19.5	0.12	0435	8.5	0.01	0830	1.6	0.00
0045	23.6	0.13	0440	8.1	0.00	0835	1.6	0.00
0050	25.4	0.13	0445	7.7	0.00	0840	1.5	0.00
0055	29.3	0.06	0450	7.3	0.00	0845	1.5	0.00
0100	28.8	0.06	0455	7.3	0.00	0850	1.5	0.00
0105	28.8	0.06	0500	6.9	0.00	0855	1.5	0.00
0110	34.5	0.06	0505	6.6	0.00	0900	1.5	0.00

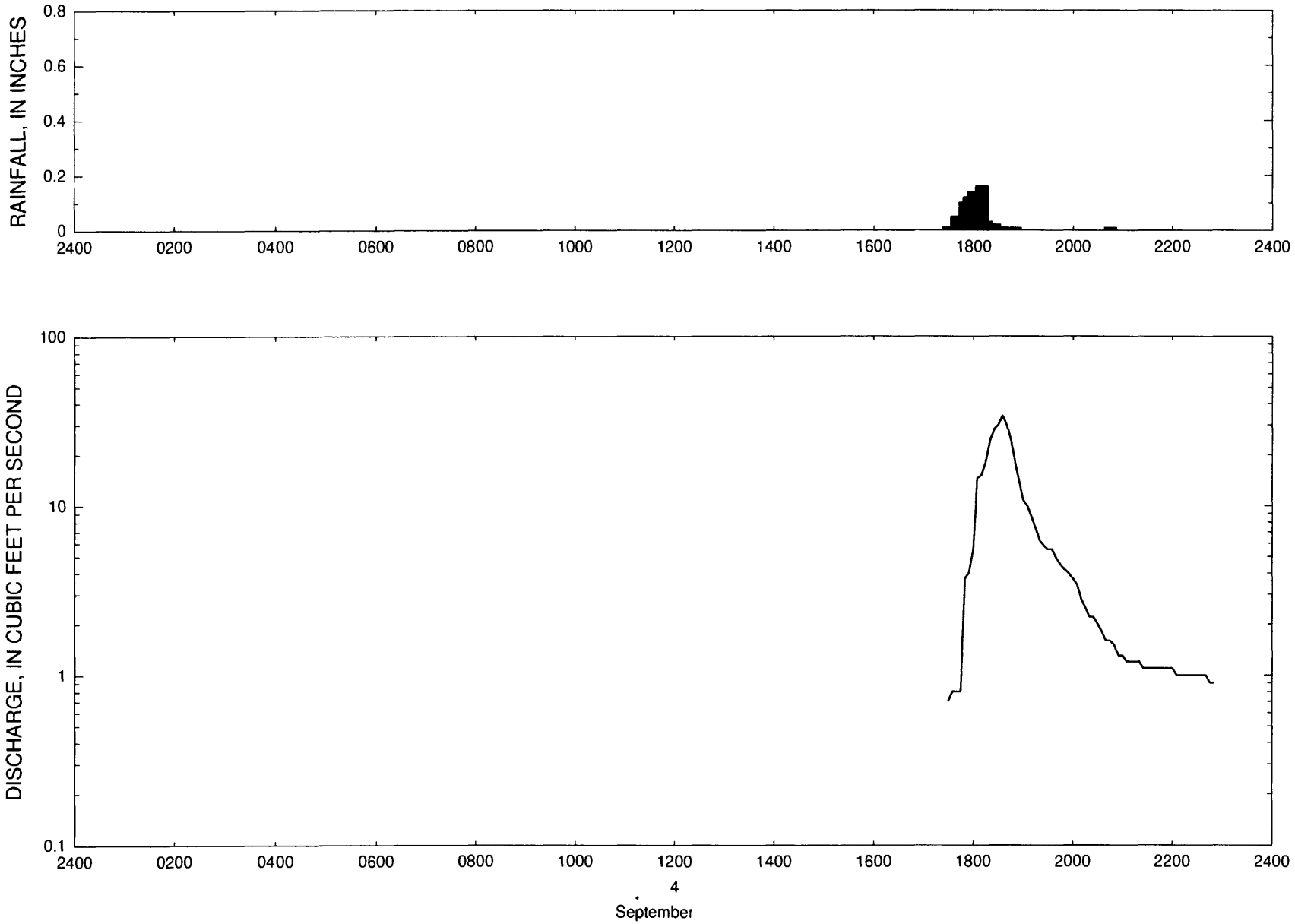


Figure 45.--Streamflow and rainfall at station 02159735, Fairforest Creek tributary at Spartanburg, September 4, 1988.

Table 44.--Streamflow and rainfall at station 02159785, Fairforest Creek tributary at Spartanburg, September 4, 1988

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
September 4, 1988			1920	6.2	0.00	2115	1.2	0.00
1730	0.7	0.01	1925	5.8	0.00	2120	1.2	0.00
1735	0.8	0.01	1930	5.5	0.00	2125	1.1	0.00
1740	0.8	0.05	1935	5.5	0.00	2130	1.1	0.00
1745	0.8	0.02	1940	4.9	0.00	2135	1.1	0.00
1750	3.7	0.10	1945	4.5	0.00	2140	1.1	0.00
1755	4.0	0.12	1950	4.2	0.00	2145	1.1	0.00
1800	5.5	0.14	1955	4.0	0.00	2150	1.1	0.00
1805	14.5	0.14	2000	3.7	0.00	2155	1.1	0.00
1810	15.1	0.16	2005	3.4	0.00	2200	1.1	0.00
1815	18.2	0.03	2010	2.8	0.00	2205	1.0	0.00
1820	24.3	0.02	2015	2.5	0.00	2210	1.0	0.00
1825	28.2	0.02	2020	2.2	0.00	2215	1.0	0.00
1830	29.9	0.00	2025	2.2	0.00	2220	1.0	0.00
1835	34.0	0.01	2030	2.0	0.00	2225	1.0	0.00
1840	29.9	0.00	2035	1.8	0.00	2230	1.0	0.00
1845	24.3	0.00	2040	1.6	0.00	2235	1.0	0.00
1850	18.2	0.01	2045	1.6	0.01	2240	1.0	0.00
1855	13.9	0.00	2050	1.5	0.00	2245	0.9	0.00
1900	10.8	0.00	2055	1.3	0.00	2250	0.9	0.00
1905	9.9	0.00	2100	1.3	0.00	2255	0.9	0.00
1910	8.5	0.00	2105	1.2	0.00	2300	0.9	0.00
1915	7.3	0.00	2110	1.2	0.00			

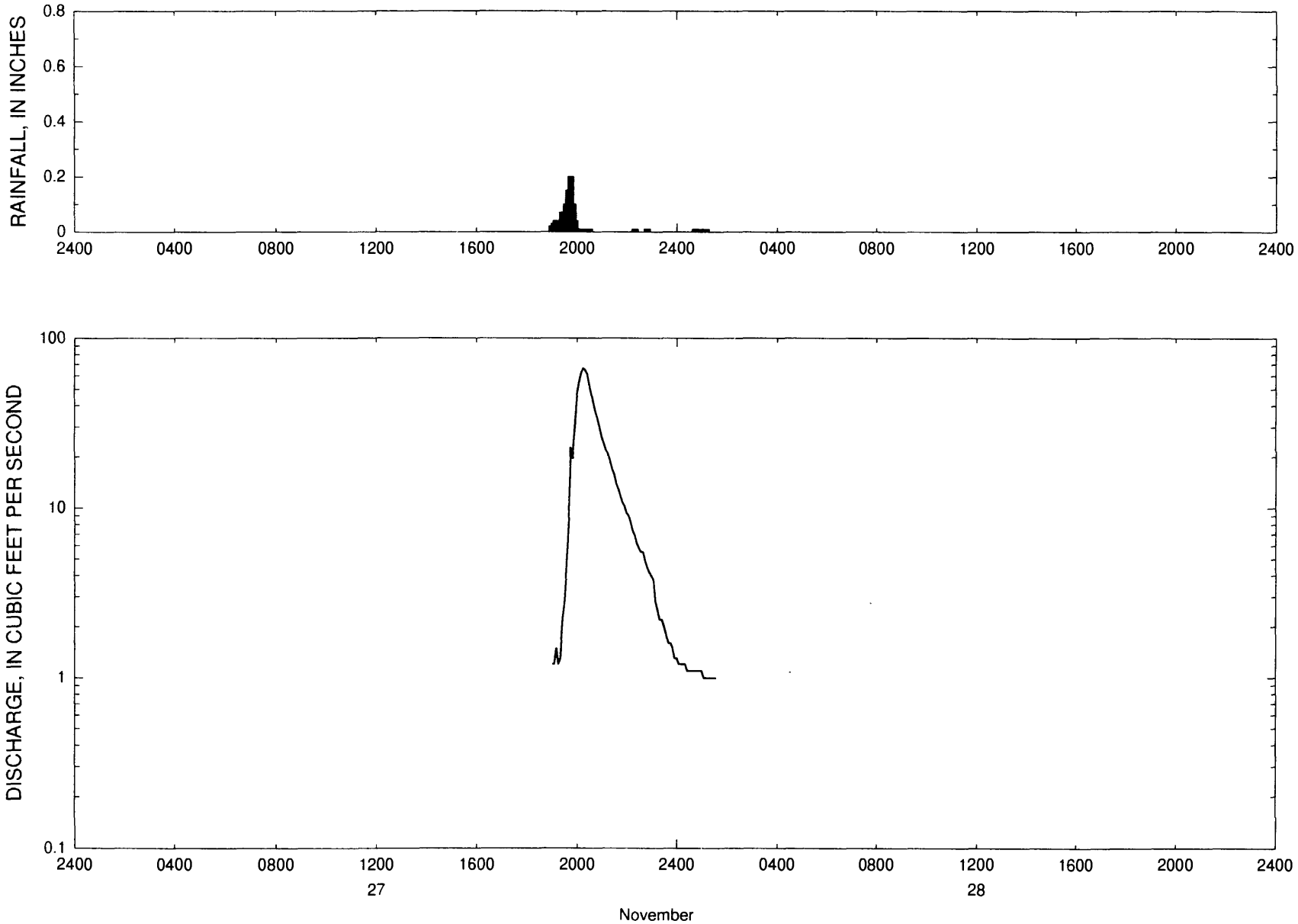


Figure 46.--Streamflow and rainfall at station 02159785, Fairforest Creek tributary at Spartanburg, November 27-28, 1988.

Table 45.--Streamflow and rainfall at station 02159785, Fairforest Creek tributary at Spartanburg, November 27-28, 1988

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
November 27, 1988			2120	18.8	0.00	2345	1.6	0.00
1900	1.2	0.02	2125	16.9	0.00	2350	1.5	0.00
1905	1.2	0.03	2130	15.7	0.00	2355	1.3	0.00
1910	1.5	0.04	2135	13.9	0.00	November 28, 1988		
1915	1.2	0.02	2140	12.9	0.00	0000	1.3	0.00
1920	1.3	0.02	2145	11.8	0.00	0005	1.2	0.00
1925	2.2	0.07	2150	10.8	0.00	0010	1.2	0.00
1930	2.8	0.05	2155	10.3	0.00	0015	1.2	0.00
1935	4.5	0.10	2200	9.4	0.00	0020	1.2	0.00
1940	8.1	0.15	2205	9.0	0.00	0025	1.1	0.00
1945	22.9	0.20	2210	8.1	0.00	0030	1.1	0.00
1950	19.5	0.10	2215	7.3	0.00	0035	1.1	0.00
1955	29.3	0.04	2220	6.9	0.01	0040	1.1	0.00
2000	45.9	0.00	2225	6.2	0.00	0045	1.1	0.01
2005	54.5	0.01	2230	5.8	0.00	0050	1.1	0.01
2010	62.3	0.00	2235	5.5	0.00	0055	1.1	0.01
2015	66.5	0.00	2240	5.5	0.00	0100	1.1	0.01
2020	64.8	0.01	2245	4.9	0.00	0105	1.0	0.01
2025	61.5	0.01	2250	4.5	0.01	0110	1.0	0.01
2030	53.3	0.01	2255	4.2	0.00	0115	1.0	0.00
2035	47.1	0.00	2300	4.0	0.00	0120	1.0	0.00
2040	41.3	0.00	2305	3.7	0.00	0125	1.0	0.00
2045	36.4	0.00	2310	2.8	0.00	0130	1.0	0.00
2050	33.5	0.00	2315	2.5	0.00	0135	1.0	0.00
2055	29.9	0.00	2320	2.2	0.00	0140	1.0	0.00
2100	26.5	0.00	2325	2.2	0.00	0145	0.9	0.00
2105	24.3	0.00	2330	2.0	0.00			
2110	22.3	0.00	2335	1.8	0.00			
2115	20.9	0.00	2340	1.6	0.00			

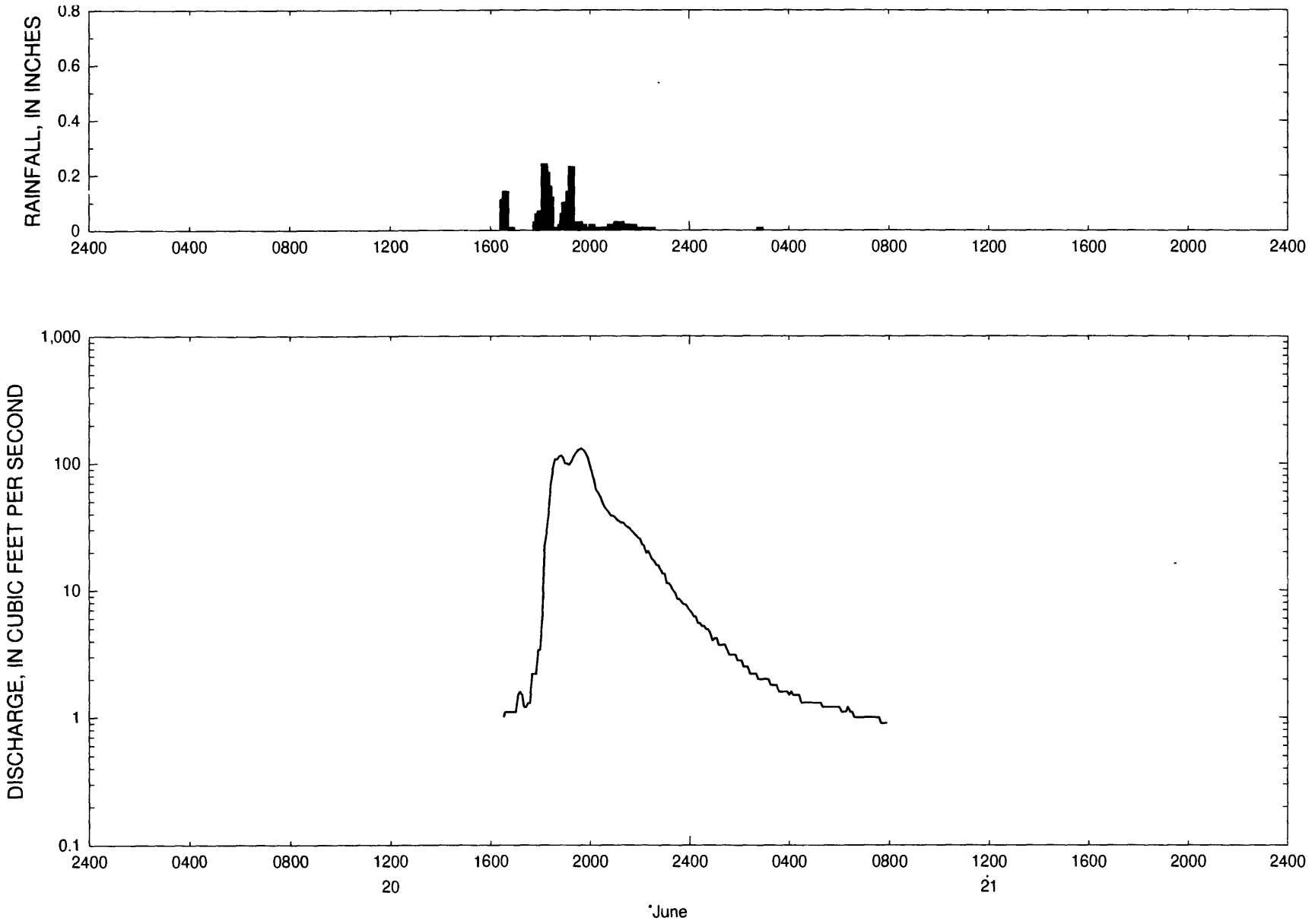


Figure 47.--Streamflow and rainfall at station 02159785, Fairforest Creek tributary at Spartanburg, June 20-21, 1989.

Table 46.--Streamflow and rainfall at station 02159785, Fairforest Creek tributary at Spartanburg, June 20-21, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 20, 1989			2140	29.3	0.00	0250	2.0	0.01
1630	1.0	0.11	2145	28.2	0.02	0255	2.0	0.00
1635	1.1	0.14	2150	27.1	0.00	0300	2.0	0.00
1640	1.1	0.01	2155	26.0	0.01	0305	2.0	0.00
1645	1.1	0.00	2200	25.4	0.00	0310	2.0	0.00
1650	1.1	0.01	2205	22.9	0.01	0315	1.8	0.00
1655	1.1	0.00	2210	22.3	0.00	0320	1.8	0.00
1700	1.1	0.00	2215	19.5	0.01	0325	1.8	0.00
1705	1.5	0.00	2220	20.2	0.00	0330	1.8	0.00
1710	1.6	0.00	2225	18.8	0.00	0335	1.6	0.00
1715	1.5	0.00	2230	17.5	0.01	0340	1.6	0.00
1720	1.2	0.00	2235	16.9	0.00	0345	1.6	0.00
1725	1.2	0.00	2240	15.7	0.00	0350	1.6	0.00
1730	1.3	0.00	2245	15.7	0.00	0355	1.6	0.00
1735	1.3	0.00	2250	14.5	0.00	0400	1.5	0.00
1740	2.2	0.00	2255	13.4	0.00	0405	1.6	0.00
1745	2.2	0.00	2300	13.4	0.00	0410	1.5	0.00
1750	2.2	0.03	2305	11.3	0.00	0415	1.5	0.00
1755	3.4	0.06	2310	11.3	0.00	0420	1.5	0.00
1800	3.4	0.07	2315	10.8	0.00	0425	1.5	0.00
1805	6.2	0.04	2320	9.9	0.00	0430	1.3	0.00
1810	22.3	0.24	2325	9.4	0.00	0435	1.3	0.00
1815	28.8	0.21	2330	8.5	0.00	0440	1.3	0.00
1820	40.4	0.16	2335	8.5	0.00	0445	1.3	0.00
1825	66.1	0.12	2340	8.1	0.00	0450	1.3	0.00
1830	90.7	0.01	2345	7.7	0.00	0455	1.3	0.00
1835	108.0	0.01	2350	7.7	0.00	0500	1.3	0.00
1840	107.0	0.00	2355	7.3	0.00	0505	1.3	0.00
1845	113.0	0.01	June 21, 1989			0510	1.3	0.00
1850	115.0	0.02	0000	6.9	0.00	0515	1.3	0.00
1855	111.0	0.06	0005	6.6	0.00	0520	1.2	0.00
1900	99.6	0.10	0010	6.2	0.00	0525	1.2	0.00
1905	99.6	0.07	0015	6.2	0.00	0530	1.2	0.00
1910	97.0	0.14	0020	5.5	0.00	0535	1.2	0.00
1915	103.0	0.23	0025	5.5	0.00	0540	1.2	0.00
1920	112.0	0.01	0030	5.2	0.00	0545	1.2	0.00
1925	120.0	0.03	0035	5.2	0.00	0550	1.2	0.00
1930	126.0	0.00	0040	4.9	0.00	0555	1.2	0.00
1935	129.0	0.03	0045	4.9	0.00	0600	1.2	0.00
1940	130.0	0.02	0050	4.5	0.00	0605	1.1	0.00
1945	126.0	0.02	0055	4.0	0.00	0610	1.1	0.00
1950	119.0	0.01	0100	4.2	0.00	0615	1.1	0.00
1955	110.0	0.01	0105	4.2	0.00	0620	1.2	0.00
2000	96.6	0.01	0110	3.7	0.00	0625	1.1	0.00
2005	82.7	0.02	0115	3.7	0.00	0630	1.1	0.00
2010	73.1	0.00	0120	3.7	0.00	0635	1.0	0.00
2015	61.5	0.01	0125	3.7	0.00	0640	1.0	0.00
2020	57.8	0.01	0130	3.4	0.00	0645	1.0	0.00
2025	54.1	0.00	0135	3.1	0.00	0650	1.0	0.00
2030	48.8	0.01	0140	3.1	0.00	0655	1.0	0.00
2035	45.1	0.00	0145	3.1	0.00	0700	1.0	0.00
2040	43.0	0.01	0150	3.1	0.00	0705	1.0	0.00
2045	40.9	0.00	0155	2.8	0.00	0710	1.0	0.00
2050	38.6	0.02	0200	2.8	0.00	0715	1.0	0.00
2055	38.6	0.01	0205	2.8	0.00	0720	1.0	0.00
2100	37.7	0.02	0210	2.5	0.00	0725	1.0	0.00
2105	35.9	0.03	0215	2.5	0.00	0730	1.0	0.00
2110	35.0	0.01	0220	2.5	0.00	0735	1.0	0.00
2115	34.0	0.03	0225	2.2	0.00	0740	0.9	0.00
2120	34.0	0.01	0230	2.2	0.00	0745	0.9	0.00
2125	32.5	0.01	0235	2.2	0.00	0750	0.9	0.00
2130	31.5	0.02	0240	2.2	0.00	0755	0.9	0.00
2135	31.0	0.02	0245	2.0	0.00	0800	0.9	0.00

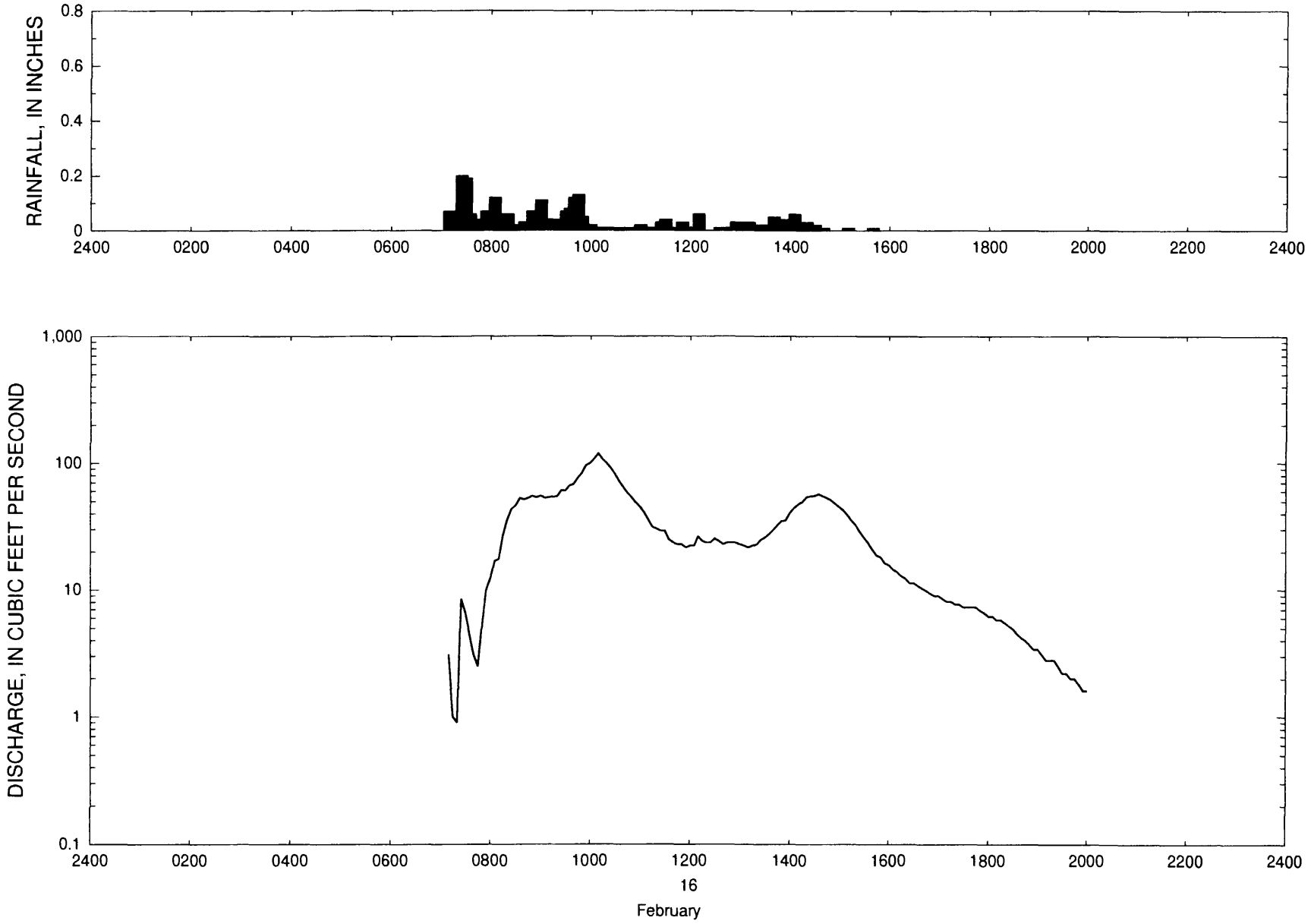


Figure 48.--Streamflow and rainfall at station 02159785, Fairforest Creek tributary at Spartanburg, February 16, 1990.

Table 47.--Streamflow and rainfall at station 02159785, Fairforest Creek tributary at Spartanburg, February 16, 1990

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
February 16, 1990			1130	29.3	0.04	1555	16.3	0.00
0710	3.1	0.07	1135	24.9	0.00	1600	15.7	0.00
0715	1.0	0.04	1140	23.6	0.01	1605	14.5	0.00
0720	0.9	0.02	1145	22.9	0.01	1610	13.9	0.00
0725	8.5	0.20	1150	22.9	0.03	1615	12.9	0.00
0730	6.6	0.19	1155	21.6	0.01	1620	12.3	0.00
0735	4.5	0.06	1200	22.3	0.00	1625	11.3	0.00
0740	3.1	0.04	1205	22.3	0.01	1630	11.3	0.00
0745	2.5	0.01	1210	26.5	0.06	1635	10.8	0.00
0750	5.2	0.02	1215	24.3	0.00	1640	10.3	0.00
0755	9.9	0.07	1220	23.6	0.00	1645	9.9	0.00
0800	12.3	0.05	1225	23.6	0.00	1650	9.4	0.00
0805	16.9	0.12	1230	25.4	0.00	1655	9.0	0.00
0810	17.5	0.05	1235	24.3	0.01	1700	9.0	0.00
0815	26.5	0.02	1240	22.9	0.01	1705	8.5	0.00
0820	35.4	0.06	1245	23.6	0.01	1710	8.1	0.00
0825	43.0	0.02	1250	23.6	0.00	1715	8.1	0.00
0830	46.3	0.01	1255	23.6	0.03	1720	7.7	0.00
0835	52.9	0.01	1300	22.9	0.03	1725	7.7	0.00
0840	51.6	0.03	1305	22.3	0.03	1730	7.3	0.00
0845	52.9	0.02	1310	21.6	0.03	1735	7.3	0.00
0850	54.9	0.07	1315	22.3	0.01	1740	7.3	0.00
0855	53.7	0.00	1320	22.9	0.02	1745	7.3	0.00
0900	54.9	0.11	1325	24.9	0.02	1750	6.9	0.00
0905	52.9	0.00	1330	26.0	0.02	1755	6.6	0.00
0910	53.7	0.04	1335	27.7	0.01	1800	6.2	0.00
0915	54.1	0.01	1340	29.9	0.05	1805	6.2	0.00
0920	54.9	0.03	1345	32.5	0.01	1810	5.8	0.00
0925	61.1	0.04	1350	35.0	0.04	1815	5.8	0.00
0930	60.7	0.07	1355	35.4	0.01	1820	5.5	0.00
0935	66.5	0.08	1400	40.4	0.00	1825	5.2	0.00
0940	68.1	0.12	1405	44.3	0.06	1830	4.9	0.00
0945	76.5	0.13	1410	47.6	0.02	1835	4.5	0.00
0950	83.2	0.05	1415	49.6	0.00	1840	4.2	0.00
0955	95.8	0.02	1420	54.1	0.03	1845	4.0	0.00
1000	99.6	0.02	1425	54.9	0.02	1850	3.7	0.00
1005	108.0	0.00	1430	55.3	0.02	1855	3.4	0.00
1010	119.0	0.00	1435	57.0	0.01	1900	3.4	0.00
1015	107.0	0.01	1440	54.9	0.01	1905	3.1	0.00
1020	100.0	0.01	1445	53.3	0.00	1910	2.8	0.00
1025	91.1	0.00	1450	51.2	0.00	1915	2.8	0.00
1030	82.3	0.01	1455	48.0	0.00	1920	2.8	0.00
1035	72.3	0.01	1500	45.1	0.00	1925	2.5	0.00
1040	64.4	0.01	1505	42.6	0.00	1930	2.2	0.00
1045	58.2	0.01	1510	39.1	0.01	1935	2.2	0.00
1050	53.7	0.01	1515	35.4	0.00	1940	2.0	0.00
1055	48.8	0.00	1520	32.5	0.00	1945	2.0	0.00
1100	45.1	0.02	1525	28.8	0.00	1950	1.8	0.00
1105	40.9	0.00	1530	26.0	0.00	1955	1.6	0.00
1110	35.9	0.00	1535	23.6	0.00	2000	1.6	0.00
1115	31.5	0.01	1540	20.9	0.01			
1120	30.4	0.01	1545	18.8	0.00			
1125	29.3	0.03	1550	18.2	0.00			

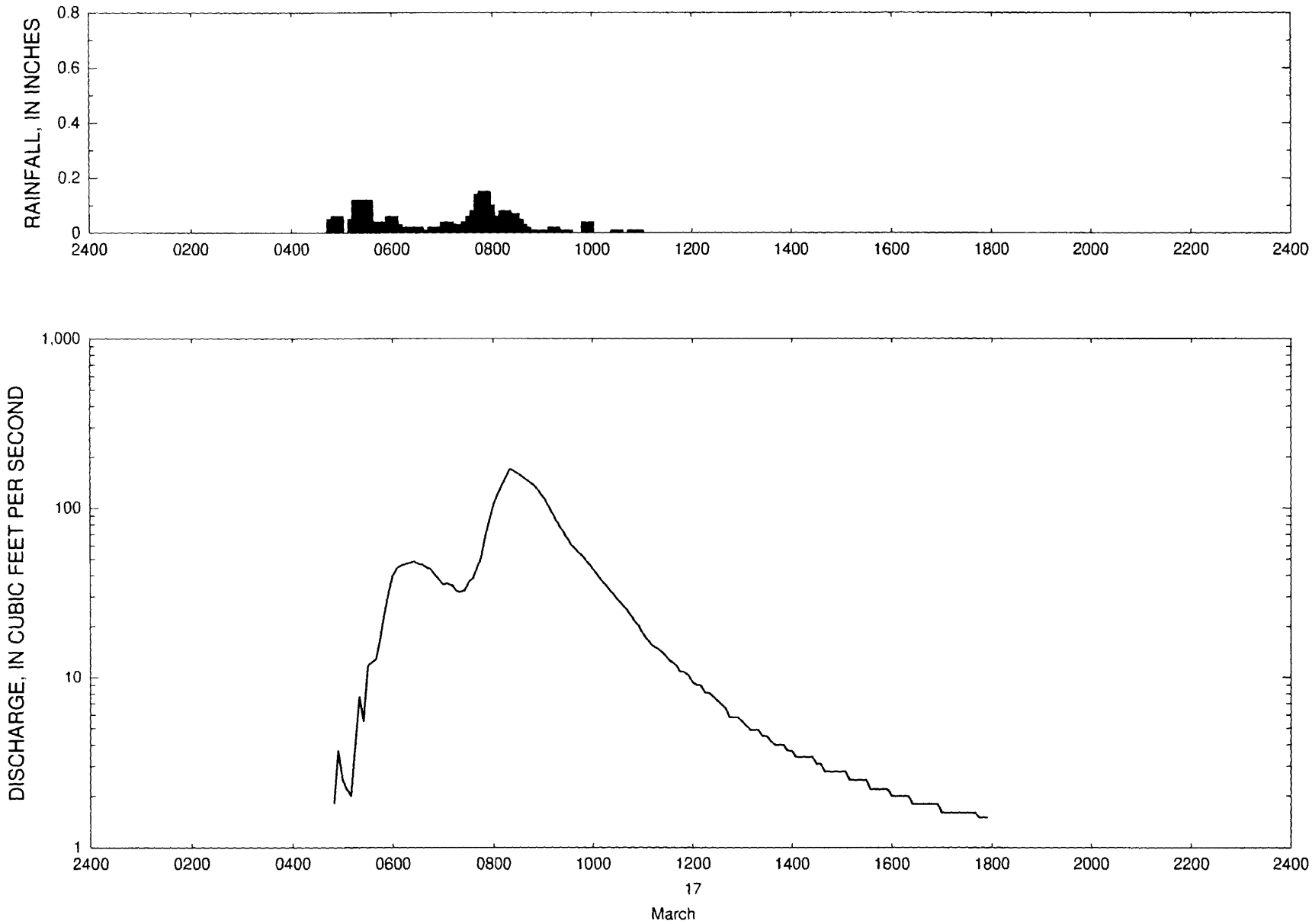


Figure 49.--Streamflow and rainfall at station 02159785, Fairforest Creek tributary at Spartanburg, March 17, 1990.

Table 48.--Streamflow and rainfall at station 02159785, Fairforest Creek tributary at Spartanburg, March 17, 1990

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
March 17, 1990			0915	87.5	0.02	1345	4.0	0.00
0450	1.8	0.05	0920	79.0	0.00	1350	4.0	0.00
0455	3.7	0.06	0925	73.1	0.01	1355	3.7	0.00
0500	2.5	0.00	0930	66.1	0.01	1400	3.7	0.00
0505	2.2	0.00	0935	60.7	0.00	1405	3.4	0.00
0510	2.0	0.00	0940	57.0	0.00	1410	3.4	0.00
0515	4.0	0.05	0945	54.1	0.00	1415	3.4	0.00
0520	7.7	0.12	0950	50.8	0.00	1420	3.4	0.00
0525	5.5	0.02	0955	47.1	0.04	1425	3.4	0.00
0530	11.8	0.12	1000	43.9	0.00	1430	3.1	0.00
0535	12.3	0.01	1005	40.9	0.00	1435	3.1	0.00
0540	12.9	0.01	1010	37.7	0.00	1440	2.8	0.00
0545	16.9	0.04	1015	35.4	0.00	1445	2.8	0.00
0550	23.6	0.03	1020	33.0	0.00	1450	2.8	0.00
0555	31.5	0.04	1025	31.0	0.00	1455	2.8	0.00
0600	40.0	0.06	1030	28.8	0.01	1500	2.8	0.00
0605	43.9	0.03	1035	27.1	0.00	1505	2.8	0.00
0610	45.9	0.01	1040	25.4	0.00	1510	2.5	0.00
0615	46.7	0.01	1045	23.6	0.00	1515	2.5	0.00
0620	47.6	0.02	1050	21.6	0.01	1520	2.5	0.00
0625	48.4	0.01	1055	20.2	0.01	1525	2.5	0.00
0630	47.1	0.02	1100	18.2	0.00	1530	2.5	0.00
0635	46.3	0.00	1105	16.9	0.00	1535	2.2	0.00
0640	44.7	0.01	1110	15.7	0.00	1540	2.2	0.00
0645	43.4	0.01	1115	15.1	0.00	1545	2.2	0.00
0650	40.4	0.02	1120	14.5	0.00	1550	2.2	0.00
0655	37.7	0.01	1125	13.9	0.00	1555	2.2	0.00
0700	35.4	0.00	1130	12.9	0.00	1600	2.0	0.00
0705	35.9	0.04	1135	12.3	0.00	1605	2.0	0.00
0710	35.0	0.02	1140	11.8	0.00	1610	2.0	0.00
0715	32.5	0.03	1145	10.8	0.00	1615	2.0	0.00
0720	32.0	0.01	1150	10.8	0.00	1620	2.0	0.00
0725	32.5	0.01	1155	10.3	0.00	1625	1.8	0.00
0730	36.4	0.04	1200	9.4	0.00	1630	1.8	0.00
0735	38.6	0.06	1205	9.0	0.00	1635	1.8	0.00
0740	44.3	0.08	1210	9.0	0.00	1640	1.8	0.00
0745	50.8	0.14	1215	8.1	0.00	1645	1.8	0.00
0750	68.1	0.15	1220	8.1	0.00	1650	1.8	0.00
0755	85.2	0.10	1225	7.7	0.00	1655	1.8	0.00
0800	105.0	0.00	1230	7.3	0.00	1700	1.6	0.00
0805	120.0	0.01	1235	6.9	0.00	1705	1.6	0.00
0810	136.0	0.06	1240	6.6	0.00	1710	1.6	0.00
0815	152.0	0.08	1245	5.8	0.00	1715	1.6	0.00
0820	170.0	0.02	1250	5.8	0.00	1720	1.6	0.00
0825	166.0	0.07	1255	5.8	0.00	1725	1.6	0.00
0830	160.0	0.05	1300	5.5	0.00	1730	1.6	0.00
0835	154.0	0.03	1305	5.2	0.00	1735	1.6	0.00
0840	148.0	0.02	1310	4.9	0.00	1740	1.6	0.00
0845	142.0	0.00	1315	4.9	0.00	1745	1.5	0.00
0850	136.0	0.01	1320	4.9	0.00	1750	1.5	0.00
0855	127.0	0.01	1325	4.5	0.00	1755	1.5	0.00
0900	118.0	0.00	1330	4.5	0.00	1800	1.5	0.00
0905	108.0	0.01	1335	4.2	0.00			
0910	97.5	0.00	1340	4.0	0.00			

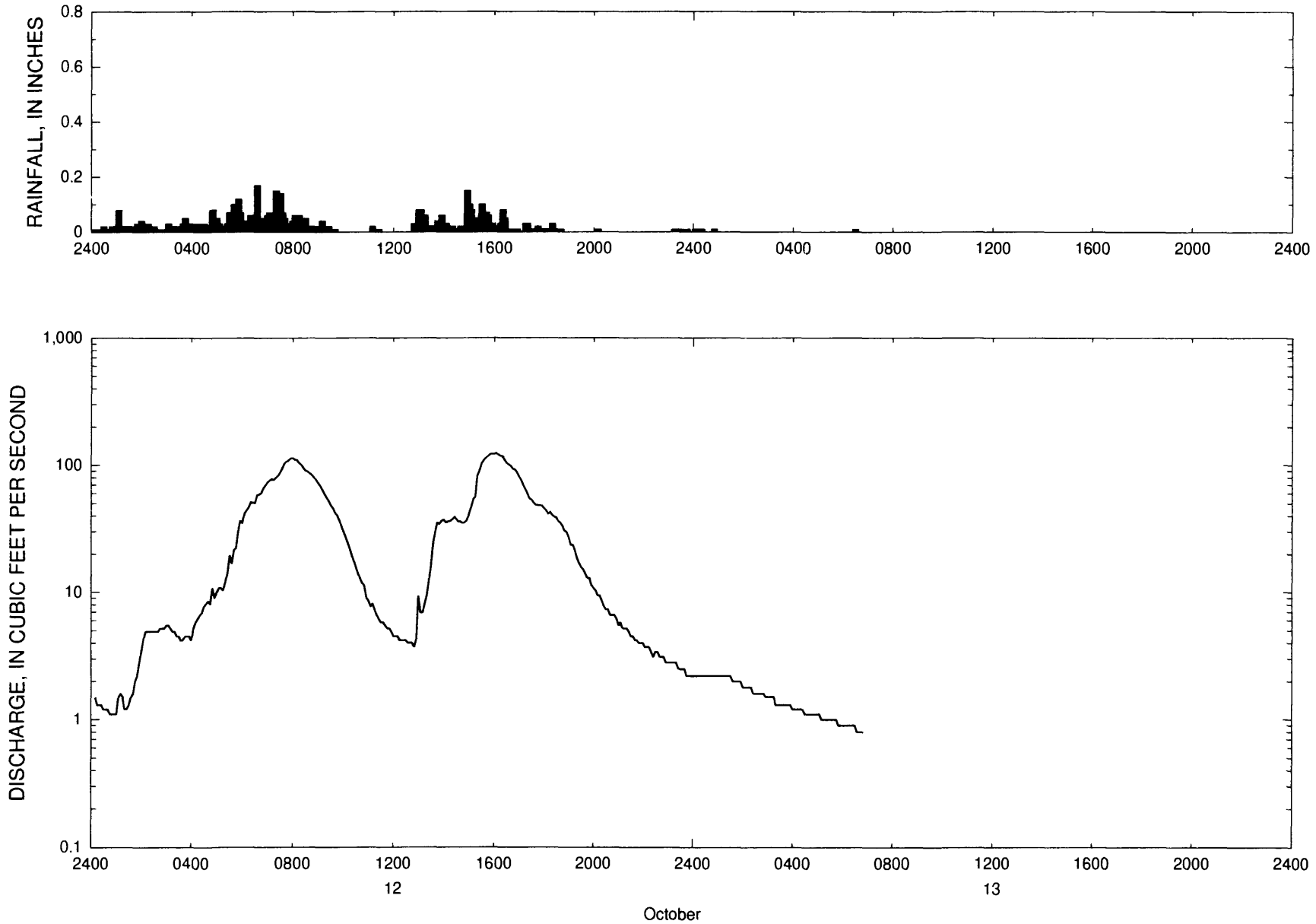


Figure 50.--Streamflow and rainfall at station 02159785, Fairforest Creek tributary at Spartanburg, October 12-13, 1990.

Table 49.--Streamflow and rainfall at station 02159785, Fairforest Creek tributary at Spartanburg, October 12-13, 1990

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
October 12, 1990			0530	19.5	0.07	1055	9.0	0.00
0010	1.5	0.01	0535	16.9	0.02	1100	8.5	0.00
0015	1.3	0.00	0540	21.6	0.10	1105	7.7	0.00
0020	1.3	0.01	0545	22.3	0.03	1110	8.1	0.02
0025	1.3	0.00	0550	29.9	0.12	1115	7.3	0.00
0030	1.2	0.02	0555	36.4	0.07	1120	6.6	0.00
0035	1.2	0.01	0600	35.0	0.04	1125	6.2	0.01
0040	1.2	0.00	0605	42.1	0.02	1130	5.8	0.00
0045	1.1	0.01	0610	44.3	0.01	1135	5.8	0.00
0050	1.1	0.02	0615	46.7	0.04	1140	5.5	0.00
0055	1.1	0.02	0620	51.2	0.06	1145	5.2	0.00
0100	1.1	0.02	0625	50.4	0.03	1150	5.2	0.00
0105	1.5	0.08	0630	50.8	0.06	1155	4.9	0.00
0110	1.6	0.02	0635	58.2	0.17	1200	4.5	0.00
0115	1.5	0.01	0640	59.0	0.04	1205	4.5	0.00
0120	1.2	0.02	0645	60.3	0.02	1210	4.5	0.00
0125	1.2	0.02	0650	66.1	0.05	1215	4.2	0.00
0130	1.3	0.02	0655	69.8	0.02	1220	4.2	0.00
0135	1.5	0.02	0700	73.5	0.06	1225	4.2	0.00
0140	1.6	0.02	0705	76.0	0.07	1230	4.2	0.00
0145	2.0	0.01	0710	77.7	0.03	1235	4.0	0.00
0150	2.2	0.03	0715	76.9	0.03	1240	4.0	0.00
0155	2.8	0.01	0720	79.8	0.15	1245	4.0	0.00
0200	3.4	0.04	0725	82.7	0.07	1250	3.7	0.03
0205	4.2	0.02	0730	87.8	0.14	1255	4.2	0.03
0210	4.9	0.01	0735	94.5	0.07	1300	9.4	0.08
0215	4.9	0.03	0740	103.0	0.05	1305	6.9	0.08
0220	4.9	0.00	0745	107.0	0.03	1310	6.9	0.06
0225	4.9	0.01	0750	109.0	0.03	1315	8.1	0.06
0230	4.9	0.02	0755	113.0	0.02	1320	9.4	0.02
0235	4.9	0.01	0800	114.0	0.04	1325	12.3	0.02
0240	4.9	0.00	0805	111.0	0.06	1330	16.3	0.02
0245	5.2	0.01	0810	110.0	0.02	1335	24.9	0.02
0250	5.2	0.01	0815	104.0	0.06	1340	29.9	0.01
0255	5.2	0.00	0820	101.0	0.05	1345	35.4	0.04
0300	5.5	0.01	0825	95.4	0.02	1350	34.5	0.01
0305	5.5	0.03	0830	90.7	0.05	1355	36.4	0.06
0310	5.2	0.02	0835	89.5	0.00	1400	37.3	0.02
0315	4.9	0.02	0840	86.5	0.02	1405	35.4	0.03
0320	4.9	0.01	0845	84.0	0.02	1410	35.9	0.01
0325	4.5	0.02	0850	80.2	0.02	1415	36.4	0.01
0330	4.5	0.01	0855	76.9	0.01	1420	37.3	0.02
0335	4.2	0.02	0900	72.7	0.02	1425	39.1	0.01
0340	4.2	0.03	0905	68.5	0.01	1430	37.7	0.01
0345	4.5	0.05	0910	64.0	0.04	1435	35.9	0.00
0350	4.5	0.02	0915	59.4	0.01	1440	35.9	0.02
0355	4.5	0.03	0920	55.7	0.01	1445	35.0	0.02
0400	4.2	0.01	0925	52.5	0.02	1450	35.4	0.02
0405	5.2	0.01	0930	48.4	0.00	1455	36.8	0.15
0410	5.8	0.03	0935	45.9	0.00	1500	42.1	0.10
0415	6.2	0.01	0940	42.1	0.01	1505	47.1	0.08
0420	6.6	0.03	0945	40.4	0.00	1510	54.1	0.00
0425	6.9	0.01	0950	37.3	0.00	1515	56.1	0.05
0430	7.7	0.03	0955	34.0	0.00	1520	82.3	0.04
0435	8.1	0.01	1000	30.4	0.00	1525	90.7	0.04
0440	8.5	0.02	1005	27.7	0.00	1530	103.0	0.10
0445	8.1	0.02	1010	24.9	0.00	1535	109.0	0.07
0450	10.8	0.08	1015	22.3	0.00	1540	114.0	0.07
0455	9.0	0.01	1020	19.5	0.00	1545	118.0	0.06
0500	9.9	0.05	1025	17.5	0.00	1550	122.0	0.02
0505	10.8	0.03	1030	15.7	0.00	1555	122.0	0.03
0510	10.8	0.01	1035	13.9	0.00	1600	123.0	0.02
0515	10.3	0.01	1040	12.9	0.00	1605	124.0	0.01
0520	11.8	0.02	1045	11.8	0.00	1610	121.0	0.00
0525	13.9	0.03	1050	11.3	0.00	1615	118.0	0.03

Table 49.--Streamflow and rainfall at station 02159785, Fairforest Creek tributary at Spartanburg, October 12-13, 1990--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1620	117.0	0.08	2120	5.2	0.00	0215	1.8	0.00
1625	110.0	0.05	2125	4.9	0.00	0220	1.8	0.00
1630	104.0	0.01	2130	4.5	0.00	0225	1.6	0.00
1635	101.0	0.01	2135	4.5	0.00	0230	1.6	0.00
1640	98.7	0.01	2140	4.2	0.00	0235	1.6	0.00
1645	93.2	0.00	2145	4.2	0.00	0240	1.6	0.00
1650	92.0	0.01	2150	4.0	0.00	0245	1.6	0.00
1655	87.4	0.01	2155	4.0	0.00	0250	1.6	0.00
1700	81.1	0.00	2200	4.0	0.00	0255	1.5	0.00
1705	76.5	0.00	2205	3.7	0.00	0300	1.5	0.00
1710	69.4	0.00	2210	3.7	0.00	0305	1.5	0.00
1715	64.4	0.03	2215	3.7	0.00	0310	1.5	0.00
1720	59.9	0.03	2220	3.4	0.00	0315	1.5	0.00
1725	54.5	0.01	2225	3.1	0.00	0320	1.3	0.00
1730	53.3	0.00	2230	3.4	0.00	0325	1.3	0.00
1735	50.4	0.01	2235	3.4	0.00	0330	1.3	0.00
1740	48.4	0.00	2240	3.1	0.00	0335	1.3	0.00
1745	48.4	0.02	2245	3.1	0.00	0340	1.3	0.00
1750	48.0	0.01	2250	3.1	0.00	0345	1.3	0.00
1755	48.0	0.00	2255	2.8	0.00	0350	1.3	0.00
1800	45.9	0.00	2300	2.8	0.00	0355	1.3	0.00
1805	43.9	0.01	2305	2.8	0.00	0400	1.2	0.00
1810	41.3	0.00	2310	2.8	0.00	0405	1.2	0.00
1815	42.6	0.01	2315	2.8	0.01	0410	1.2	0.00
1820	40.4	0.03	2320	2.8	0.00	0415	1.2	0.00
1825	39.1	0.01	2325	2.5	0.00	0420	1.2	0.00
1830	38.6	0.00	2330	2.5	0.01	0425	1.2	0.00
1835	36.4	0.00	2335	2.5	0.00	0430	1.1	0.00
1840	35.4	0.01	2340	2.5	0.00	0435	1.1	0.00
1845	33.5	0.00	2345	2.2	0.01	0440	1.1	0.00
1850	30.4	0.00	2350	2.2	0.00	0445	1.1	0.00
1855	29.9	0.00	2355	2.2	0.00	0450	1.1	0.00
1900	27.1	0.00	October 13, 1990			0455	1.1	0.00
1905	23.6	0.00	0000	2.2	0.00	0500	1.1	0.00
1910	23.6	0.00	0005	2.2	0.01	0505	1.1	0.00
1915	21.6	0.00	0010	2.2	0.00	0510	1.0	0.00
1920	18.8	0.00	0015	2.2	0.00	0515	1.0	0.00
1925	16.9	0.00	0020	2.2	0.01	0520	1.0	0.00
1930	15.7	0.00	0025	2.2	0.00	0525	1.0	0.00
1935	15.1	0.00	0030	2.2	0.00	0530	1.0	0.00
1940	13.9	0.00	0035	2.2	0.00	0535	1.0	0.00
1945	12.9	0.00	0040	2.2	0.00	0540	1.0	0.00
1950	12.9	0.00	0045	2.2	0.00	0545	1.0	0.00
1955	11.3	0.00	0050	2.2	0.01	0550	0.9	0.00
2000	10.8	0.00	0055	2.2	0.00	0555	0.9	0.00
2005	10.3	0.00	0100	2.2	0.00	0600	0.9	0.00
2010	9.4	0.01	0105	2.2	0.00	0605	0.9	0.00
2015	9.4	0.00	0110	2.2	0.00	0610	0.9	0.00
2020	8.5	0.00	0115	2.2	0.00	0615	0.9	0.00
2025	7.7	0.00	0120	2.2	0.00	0620	0.9	0.00
2030	7.3	0.00	0125	2.2	0.00	0625	0.9	0.00
2035	7.3	0.00	0130	2.2	0.00	0630	0.9	0.01
2040	6.6	0.00	0135	2.0	0.00	0635	0.8	0.00
2045	6.6	0.00	0140	2.0	0.00	0640	0.8	0.00
2050	6.6	0.00	0145	2.0	0.00	0645	0.8	0.00
2055	6.2	0.00	0150	2.0	0.00	0650	0.8	0.00
2100	5.5	0.00	0155	2.0	0.00	0655	0.8	0.00
2105	5.8	0.00	0200	1.8	0.00	0700	0.8	0.00
2110	5.2	0.00	0205	1.8	0.00			
2115	5.2	0.00	0210	1.8	0.00			

Station 02160325, Brushy Creek (Enoree River Tributary) near Greenville, S.C.

Location.--Lat 34°53'00", long 82°18'05", Greenville County, Hydrologic Unit 03050108, at bridge on Marchant Road (secondary road J-180), 0.7 mi south of Eastside High School, 0.5 mi southeast of St. Luke Church, and 5.0 mi upstream from the mouth at Enoree River.

Period of record.-- December 18, 1985 to November 13, 1990.

Gage.--Digital stage recorder with 15-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to the left upstream wingwall. An enameled staff gage is also attached to the left upstream wingwall.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 376 ft^3/s. The stage-streamflow relation was extended to 1,150 ft^3/s graphically by logarithmic plotting.

Rain gage and location.--Station 345243082194800, lat 34°52'43", long 82°19'48". A shelter containing a digital cumulative rainfall recorder with a 15-minute punch interval attached to the downstream side of the Howell Road (State secondary road 273) bridge over Brushy Creek, 1.9 mi southwest of Eastside High School, and approximately 1.7 mi west of gaging station 02160325.

Selected basin characteristics.--

Drainage area -- 9.05 mi^2
Physiographic province -- Piedmont
Channel slope -- 41.0 ft/mi
Channel length -- 5.60 mi
Total impervious area -- 24.0 percent
Basin development factor -- 6
2-year, 2-hour rainfall amount -- 2.15 in.

Flood frequency data:		
	UQ_2	2,050 ft^3/s
	UQ_5	3,210 ft^3/s
	UQ_{10}	4,110 ft^3/s
	UQ_{25}	5,370 ft^3/s
	UQ_{50}	6,410 ft^3/s
	UQ_{100}	7,540 ft^3/s
	UQ_{500}	10,500 ft^3/s

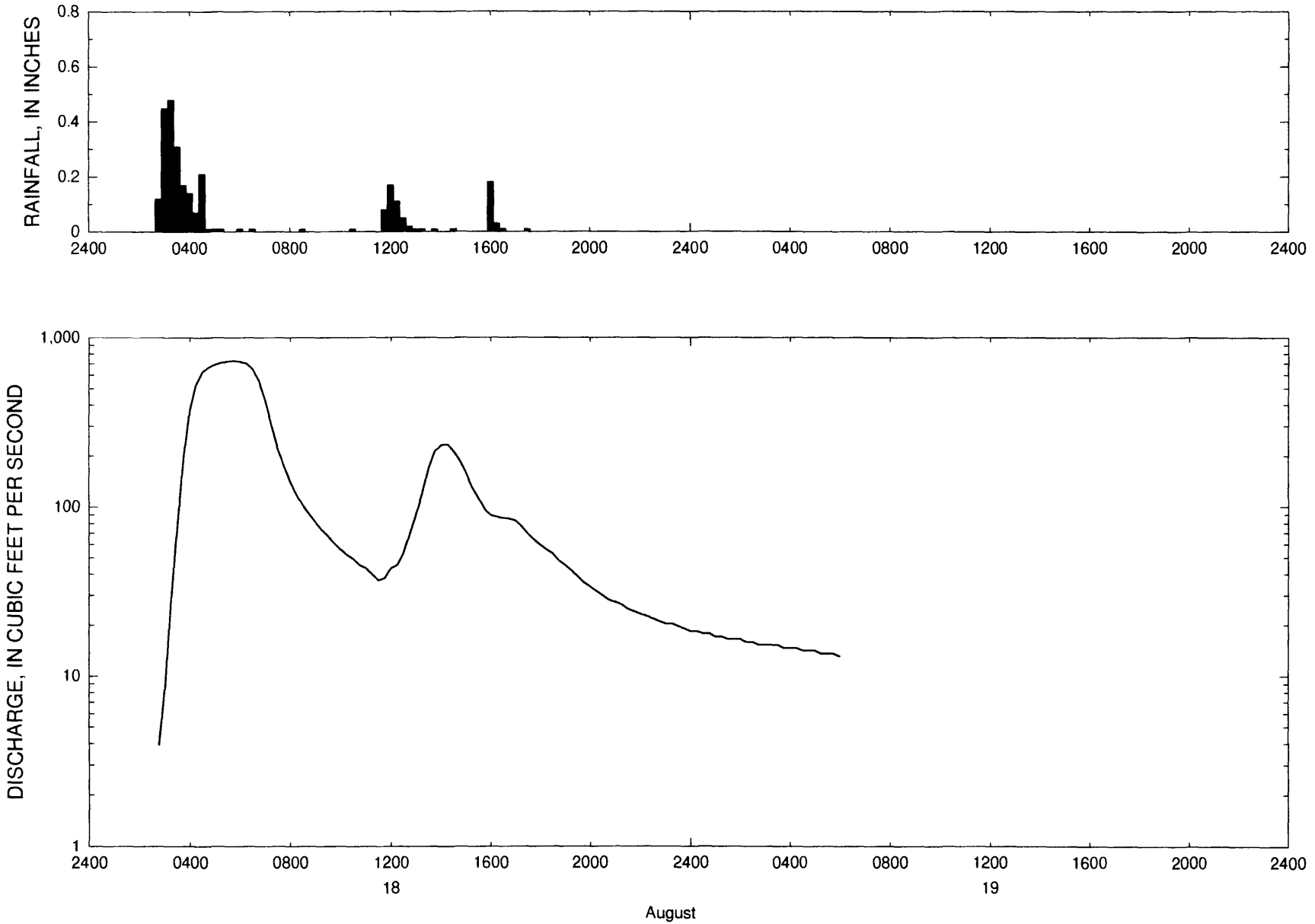


Figure 51.--Streamflow and rainfall at station 02160325, Brushy Creek (Enoree River tributary) near Greenville, August 18-19, 1986.

Table 50.--Streamflow and rainfall at station 02160325, Brushy Creek (Enoree River tributary) near Greenville, August 18-19, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 18, 1986			1200	43.5	0.17	2130	24.9	0.00
0245	3.9	0.12	1215	45.4	0.11	2145	24.1	0.00
0300	8.8	0.45	1230	53.3	0.05	2200	23.3	0.00
0315	29.0	0.48	1245	69.5	0.02	2215	22.6	0.00
0330	79.8	0.31	1300	90.2	0.01	2230	21.9	0.00
0345	198.0	0.17	1315	120.0	0.01	2245	21.1	0.00
0400	376.0	0.14	1330	169.0	0.00	2300	20.4	0.00
0415	533.0	0.07	1345	212.0	0.01	2315	20.4	0.00
0430	627.0	0.21	1400	232.0	0.00	2330	19.7	0.00
0445	670.0	0.01	1415	234.0	0.00	2345	19.1	0.00
0500	692.0	0.01	1430	214.0	0.01	August 19, 1986		
0515	710.0	0.01	1445	187.0	0.00	0000	18.4	0.00
0530	724.0	0.00	1500	158.0	0.00	0015	18.4	0.00
0545	729.0	0.00	1515	131.0	0.00	0030	17.8	0.00
0600	720.0	0.01	1530	113.0	0.00	0045	17.8	0.00
0615	704.0	0.00	1545	96.6	0.00	0100	17.1	0.00
0630	650.0	0.01	1600	89.2	0.18	0115	17.1	0.00
0645	559.0	0.00	1615	87.1	0.03	0130	16.5	0.00
0700	429.0	0.00	1630	86.0	0.01	0145	16.5	0.00
0715	310.0	0.00	1645	85.0	0.00	0200	16.5	0.00
0730	222.0	0.00	1700	82.9	0.00	0215	15.9	0.00
0745	174.0	0.00	1715	76.7	0.00	0230	15.9	0.00
0800	142.0	0.00	1730	69.5	0.01	0245	15.3	0.00
0815	118.0	0.00	1745	64.4	0.00	0300	15.3	0.00
0830	103.0	0.01	1800	60.3	0.00	0315	15.3	0.00
0845	91.3	0.00	1815	56.3	0.00	0330	15.3	0.00
0900	81.8	0.00	1830	53.3	0.00	0345	14.7	0.00
0915	73.6	0.00	1845	48.4	0.00	0400	14.7	0.00
0930	67.4	0.00	1900	45.4	0.00	0415	14.7	0.00
0945	61.3	0.00	1915	42.3	0.00	0430	14.2	0.00
1000	56.3	0.00	1930	39.0	0.00	0445	14.2	0.00
1015	52.3	0.00	1945	35.8	0.00	0500	14.2	0.00
1030	49.4	0.01	2000	33.8	0.00	0515	13.6	0.00
1045	45.4	0.00	2015	31.8	0.00	0530	13.6	0.00
1100	43.5	0.00	2030	29.9	0.00	0545	13.6	0.00
1115	40.1	0.00	2045	28.1	0.00	0600	13.1	0.00
1130	36.8	0.00	2100	27.3	0.00			
1145	37.9	0.08	2115	26.5	0.00			

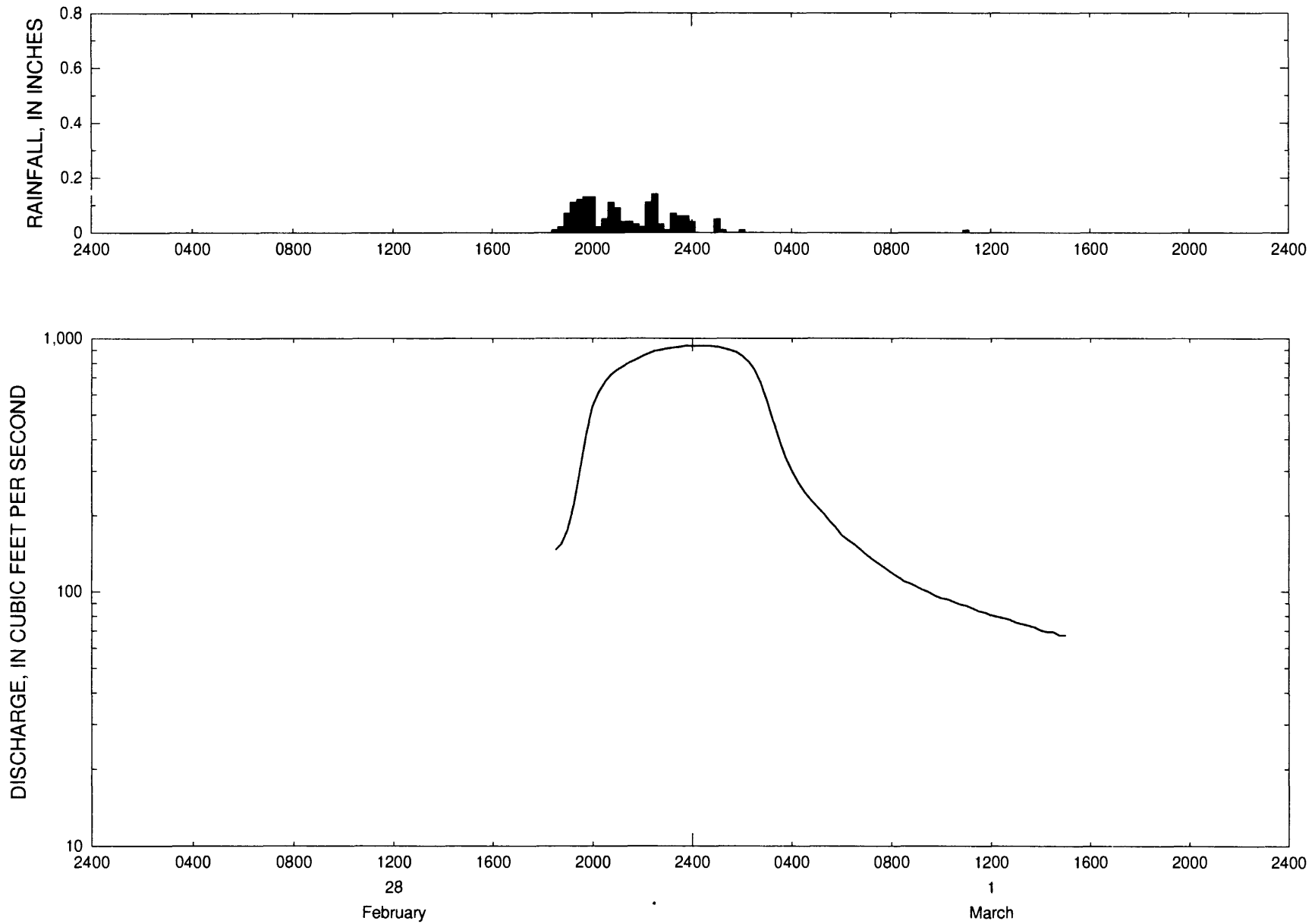


Figure 52.--Streamflow and rainfall at station 02160325, Brushy Creek (Enoree River tributary) near Greenville, February 28-March 1, 1987.

Table 51.--Streamflow and rainfall at station 02160325, Brushy Creek (Enoree River tributary) near Greenville, February 28 - March 1, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
February 28, 1987			0115	915.0	0.01	0830	110.0	0.00
1830	146.0	0.01	0130	901.0	0.00	0845	108.0	0.00
1845	154.0	0.02	0145	885.0	0.00	0900	105.0	0.00
1900	176.0	0.07	0200	853.0	0.01	0915	102.0	0.00
1915	219.0	0.11	0215	810.0	0.00	0930	99.8	0.00
1930	304.0	0.12	0230	750.0	0.00	0945	96.6	0.00
1945	419.0	0.13	0245	668.0	0.00	1000	94.4	0.00
2000	539.0	0.13	0300	569.0	0.00	1015	93.4	0.00
2015	611.0	0.02	0315	474.0	0.00	1030	91.3	0.00
2030	673.0	0.05	0330	397.0	0.00	1045	89.2	0.00
2045	721.0	0.11	0345	340.0	0.00	1100	88.1	0.01
2100	753.0	0.09	0400	301.0	0.00	1115	86.0	0.00
2115	780.0	0.04	0415	272.0	0.00	1130	83.9	0.00
2130	806.0	0.04	0430	249.0	0.00	1145	82.9	0.00
2145	827.0	0.03	0445	232.0	0.00	1200	80.8	0.00
2200	852.0	0.02	0500	218.0	0.00	1215	79.8	0.00
2215	874.0	0.11	0515	205.0	0.00	1230	78.7	0.00
2230	893.0	0.14	0530	191.0	0.00	1245	77.7	0.00
2245	902.0	0.03	0545	180.0	0.00	1300	75.6	0.00
2300	913.0	0.01	0600	167.0	0.00	1315	74.6	0.00
2315	920.0	0.07	0615	160.0	0.00	1330	73.6	0.00
2330	926.0	0.06	0630	154.0	0.00	1345	72.5	0.00
2345	937.0	0.06	0645	147.0	0.00	1400	70.5	0.00
March 1, 1987			0700	140.0	0.00	1415	69.5	0.00
0000	934.0	0.04	0715	134.0	0.00	1430	69.5	0.00
0015	935.0	0.00	0730	129.0	0.00	1445	67.4	0.00
0030	937.0	0.00	0745	124.0	0.00	1500	67.4	0.00
0045	935.0	0.00	0800	119.0	0.00			
0100	927.0	0.05	0815	115.0	0.00			

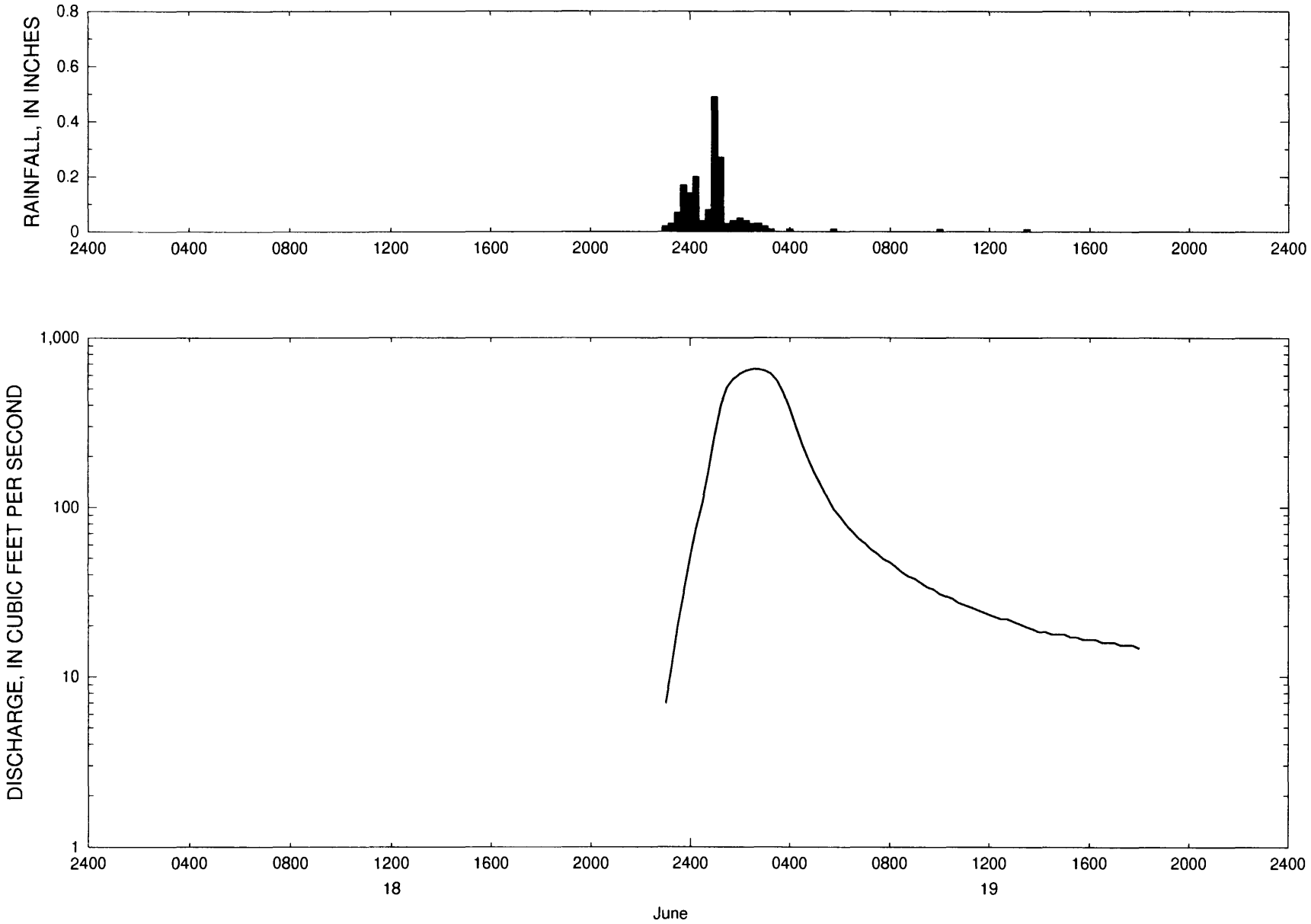


Figure 53.--Streamflow and rainfall at station 02160325, Brushy Creek (Enoree River tributary) near Greenville, June 18-19, 1987

Table 52.--Streamflow and rainfall at station 02160325, Brushy Creek (Enoree River tributary) near Greenville, June 18-19, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 18, 1987			0515	134.0	0.00	1200	23.3	0.00
2300	6.9	0.02	0530	114.0	0.00	1215	22.6	0.00
2315	11.5	0.03	0545	97.6	0.01	1230	21.9	0.00
2330	20.4	0.07	0600	88.1	0.00	1245	21.9	0.00
2345	31.8	0.17	0615	78.7	0.00	1300	21.1	0.00
June 19, 1987			0630	71.5	0.00	1315	20.4	0.00
0000	50.4	0.14	0645	65.4	0.00	1330	19.7	0.01
0015	75.6	0.20	0700	61.3	0.00	1345	19.1	0.00
0030	106.0	0.04	0715	56.3	0.00	1400	18.4	0.00
0045	162.0	0.08	0730	53.3	0.00	1415	18.4	0.00
0100	265.0	0.49	0745	49.4	0.00	1430	17.8	0.00
0115	403.0	0.27	0800	47.4	0.00	1445	17.8	0.00
0130	510.0	0.03	0815	44.5	0.00	1500	17.8	0.00
0145	573.0	0.04	0830	41.2	0.00	1515	17.1	0.00
0200	614.0	0.05	0845	39.0	0.00	1530	17.1	0.00
0215	639.0	0.04	0900	37.9	0.00	1545	16.5	0.00
0230	654.0	0.03	0915	35.8	0.00	1600	16.5	0.00
0245	652.0	0.03	0930	33.8	0.00	1615	16.5	0.00
0300	641.0	0.02	0945	32.8	0.00	1630	15.9	0.00
0315	614.0	0.01	1000	30.8	0.01	1645	15.9	0.00
0330	559.0	0.00	1015	29.9	0.00	1700	15.9	0.00
0345	474.0	0.00	1030	29.0	0.00	1715	15.3	0.00
0400	382.0	0.01	1045	27.3	0.00	1730	15.3	0.00
0415	298.0	0.00	1100	26.5	0.00	1745	15.3	0.00
0430	235.0	0.00	1115	25.7	0.00	1800	14.7	0.00
0445	192.0	0.00	1130	24.9	0.00			
0500	159.0	0.00	1145	24.1	0.00			

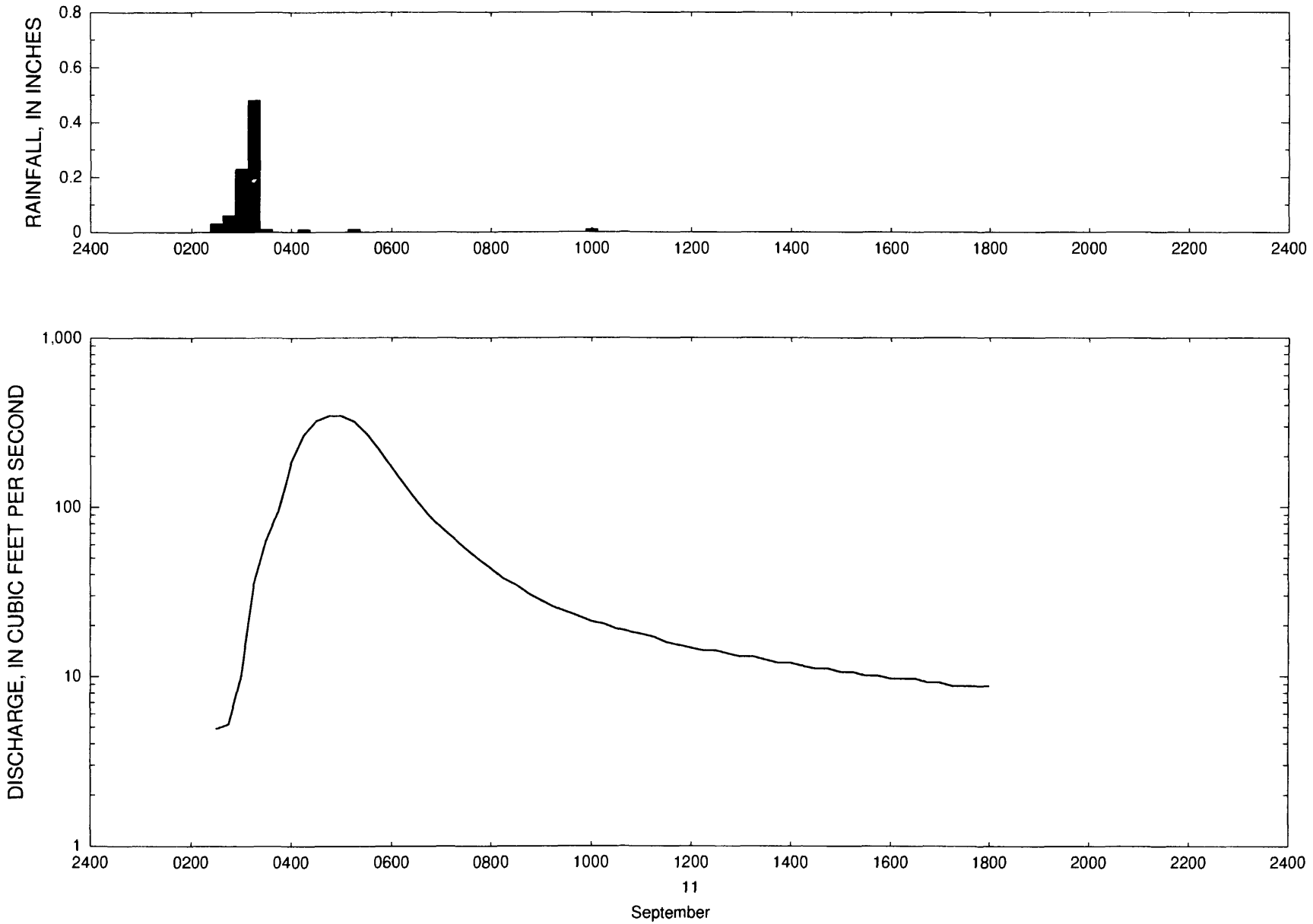


Figure 54.--Streamflow and rainfall at station 02160325, Brushy Creek (Enoree River tributary) near Greenville, September 11, 1987.

Table 53.--Streamflow and rainfall at station 02160325, Brushy Creek (Enoree River tributary) near Greenville, September 11, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 11, 1987			0745	49.4	0.00	1315	13.1	0.00
0230	4.9	0.03	0800	43.5	0.00	1330	12.5	0.00
0245	5.2	0.06	0815	37.9	0.00	1345	12.0	0.00
0300	10.1	0.23	0830	34.8	0.00	1400	12.0	0.00
0315	34.8	0.48	0845	30.8	0.00	1415	11.5	0.00
0330	63.4	0.01	0900	28.1	0.00	1430	11.1	0.00
0345	95.5	0.00	0915	25.7	0.00	1445	11.1	0.00
0400	184.0	0.00	0930	24.1	0.00	1500	10.6	0.00
0415	267.0	0.01	0945	22.6	0.00	1515	10.6	0.00
0430	323.0	0.00	1000	21.1	0.01	1530	10.1	0.00
0445	346.0	0.00	1015	20.4	0.00	1545	10.1	0.00
0500	346.0	0.00	1030	19.1	0.00	1600	9.7	0.00
0515	321.0	0.01	1045	18.4	0.00	1615	9.7	0.00
0530	273.0	0.00	1100	17.8	0.00	1630	9.7	0.00
0545	220.0	0.00	1115	17.1	0.00	1645	9.2	0.00
0600	172.0	0.00	1130	15.9	0.00	1700	9.2	0.00
0615	136.0	0.00	1145	15.3	0.00	1715	8.8	0.00
0630	109.0	0.00	1200	14.7	0.00	1730	8.8	0.00
0645	89.2	0.00	1215	14.2	0.00	1745	8.8	0.00
0700	75.6	0.00	1230	14.2	0.00	1800	8.8	0.00
0715	65.4	0.00	1245	13.6	0.00			
0730	56.3	0.00	1300	13.1	0.00			

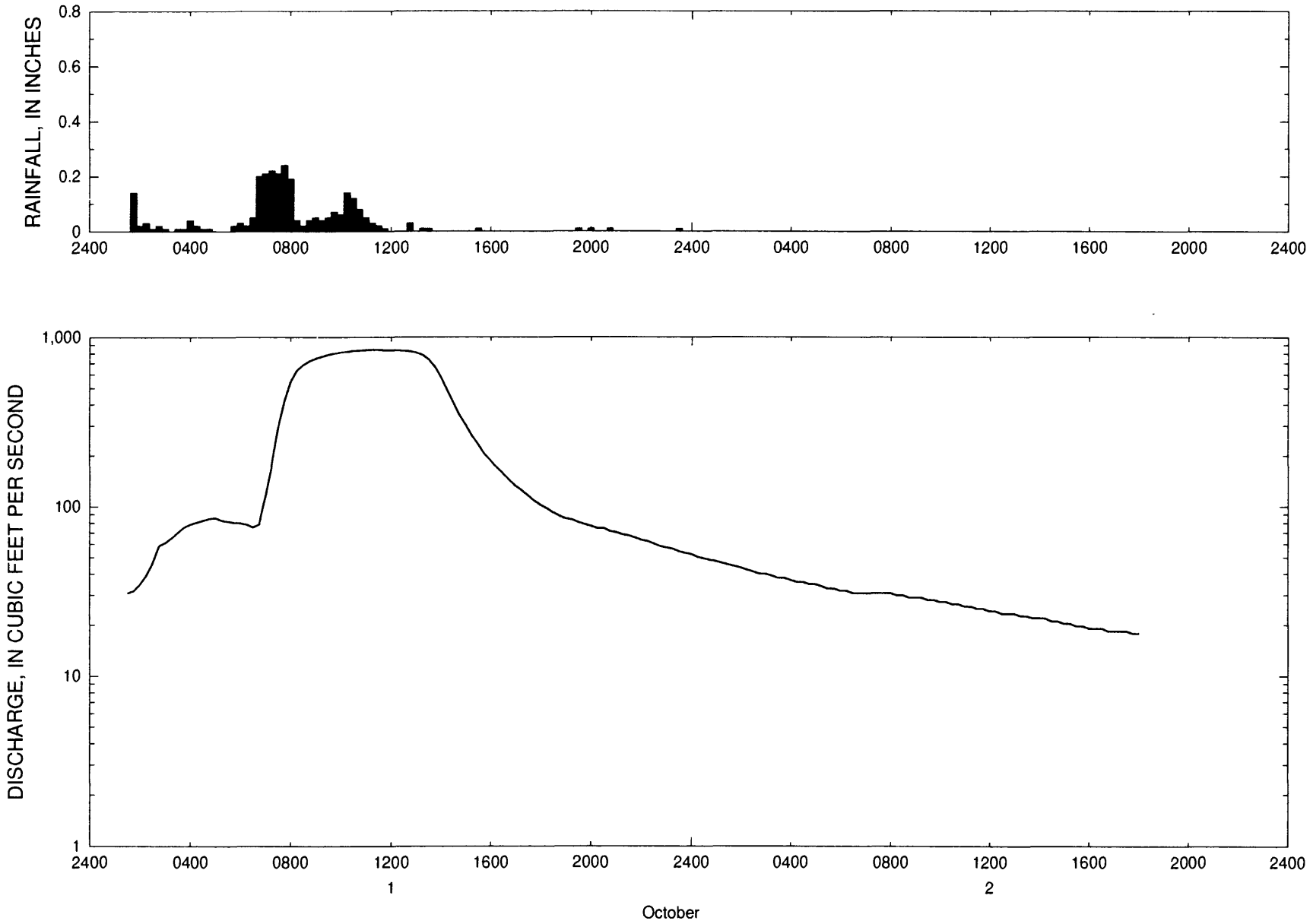


Figure 55.--Streamflow and rainfall at station 02160325, Brushy Creek (Enoree River tributary) near Greenville, October 1-2, 1989.

Table 54.--Streamflow and rainfall at station 02160325, Brushy Creek (Enoree River tributary) near Greenville, October 1-2, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
October 1, 1989			1500	301.0	0.00	0430	35.8	0.00
0130	30.8	0.00	1515	261.0	0.00	0445	34.8	0.00
0145	31.8	0.14	1530	233.0	0.01	0500	34.8	0.00
0200	34.8	0.02	1545	205.0	0.00	0515	33.8	0.00
0215	39.0	0.03	1600	187.0	0.00	0530	32.8	0.00
0230	46.4	0.01	1615	170.0	0.00	0545	32.8	0.00
0245	58.5	0.02	1630	156.0	0.00	0600	31.8	0.00
0300	61.3	0.01	1645	143.0	0.00	0615	31.8	0.00
0315	65.4	0.00	1700	132.0	0.00	0630	30.8	0.00
0330	70.5	0.01	1715	124.0	0.00	0645	30.8	0.00
0345	75.6	0.01	1730	116.0	0.00	0700	30.8	0.00
0400	78.7	0.04	1745	108.0	0.00	0715	30.8	0.00
0415	80.8	0.02	1800	102.0	0.00	0730	30.8	0.00
0430	82.9	0.01	1815	97.6	0.00	0745	30.8	0.00
0445	85.0	0.01	1830	92.3	0.00	0800	30.8	0.00
0500	86.0	0.00	1845	88.1	0.00	0815	29.9	0.00
0515	82.9	0.00	1900	85.0	0.00	0830	29.9	0.00
0530	81.8	0.00	1915	83.9	0.00	0845	29.0	0.00
0545	80.8	0.02	1930	80.8	0.01	0900	29.0	0.00
0600	79.8	0.03	1945	78.7	0.00	0915	29.0	0.00
0615	78.7	0.02	2000	76.7	0.01	0930	28.1	0.00
0630	75.6	0.05	2015	74.6	0.00	0945	28.1	0.00
0645	78.7	0.20	2030	74.6	0.00	1000	27.3	0.00
0700	115.0	0.21	2045	71.5	0.01	1015	27.3	0.00
0715	174.0	0.22	2100	70.5	0.00	1030	26.5	0.00
0730	287.0	0.21	2115	68.4	0.00	1045	26.5	0.00
0745	419.0	0.24	2130	67.4	0.00	1100	25.7	0.00
0800	546.0	0.19	2145	65.4	0.00	1115	25.7	0.00
0815	636.0	0.04	2200	63.4	0.00	1130	24.9	0.00
0830	686.0	0.02	2215	62.4	0.00	1145	24.9	0.00
0845	722.0	0.04	2230	60.3	0.00	1200	24.1	0.00
0900	748.0	0.05	2245	58.3	0.00	1215	24.1	0.00
0915	768.0	0.04	2300	57.3	0.00	1230	23.3	0.00
0930	787.0	0.05	2315	56.3	0.00	1245	23.3	0.00
0945	803.0	0.07	2330	54.3	0.01	1300	23.3	0.00
1000	814.0	0.06	2345	53.3	0.00	1315	22.6	0.00
1015	822.0	0.14	October 2, 1989			1330	22.6	0.00
1030	833.0	0.12	0000	52.3	0.00	1345	21.9	0.00
1045	838.0	0.08	0015	50.4	0.00	1400	21.9	0.00
1100	841.0	0.05	0030	49.4	0.00	1415	21.9	0.00
1115	846.0	0.03	0045	48.4	0.00	1430	21.1	0.00
1130	844.0	0.02	0100	47.4	0.00	1445	21.1	0.00
1145	840.0	0.01	0115	46.4	0.00	1500	20.4	0.00
1200	841.0	0.00	0130	45.4	0.00	1515	20.4	0.00
1215	837.0	0.00	0145	44.5	0.00	1530	19.7	0.00
1230	834.0	0.00	0200	43.5	0.00	1545	19.7	0.00
1245	826.0	0.03	0215	42.3	0.00	1600	19.1	0.00
1300	810.0	0.00	0230	41.2	0.00	1615	19.1	0.00
1315	783.0	0.01	0245	40.1	0.00	1630	19.1	0.00
1330	738.0	0.01	0300	40.1	0.00	1645	18.4	0.00
1345	665.0	0.00	0315	39.0	0.00	1700	18.4	0.00
1400	574.0	0.00	0330	37.9	0.00	1715	18.4	0.00
1415	483.0	0.00	0345	37.9	0.00	1730	18.4	0.00
1430	407.0	0.00	0400	36.8	0.00	1745	17.8	0.00
1445	345.0	0.00	0415	35.8	0.00	1800	17.8	0.00

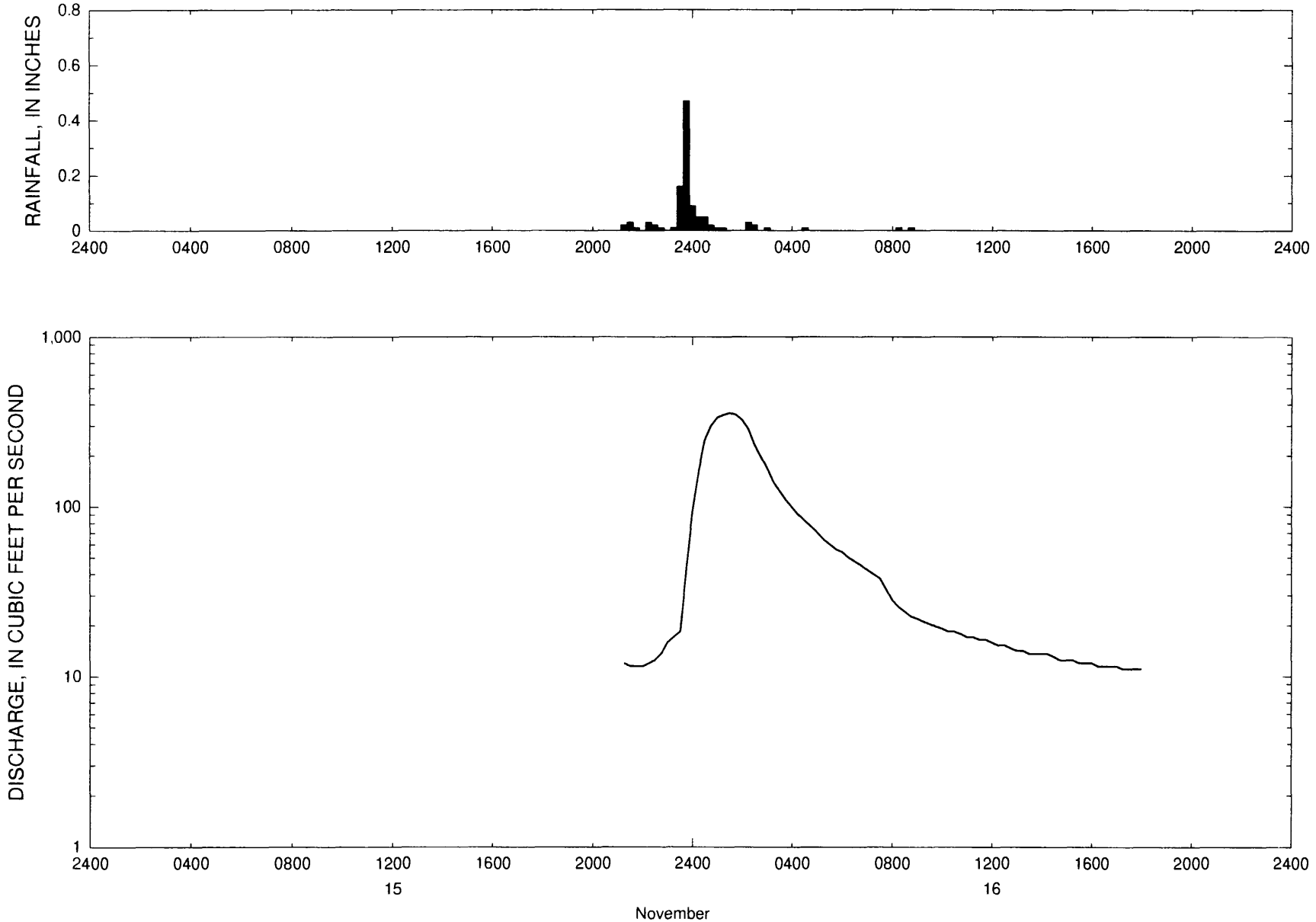


Figure 56.--Streamflow and rainfall at station 02160325, Brushy Creek (Enoree River tributary) near Greenville, November 15-16, 1989.

Table 55.--Streamflow and rainfall at station 02160325, Brushy Creek (Enoree River tributary) near Greenville, November 15-16, 1989

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
November 15, 1989			0400	99.8	0.00	1115	17.1	0.00
2115	12.0	0.02	0415	90.2	0.00	1130	16.5	0.00
2130	11.5	0.03	0430	82.9	0.01	1145	16.5	0.00
2145	11.5	0.01	0445	76.7	0.00	1200	15.9	0.00
2200	11.5	0.00	0500	70.5	0.00	1215	15.3	0.00
2215	12.0	0.03	0515	64.4	0.00	1230	15.3	0.00
2230	12.5	0.02	0530	60.3	0.00	1245	14.7	0.00
2245	13.6	0.01	0545	56.3	0.00	1300	14.2	0.00
2300	15.9	0.00	0600	54.3	0.00	1315	14.2	0.00
2315	17.1	0.01	0615	50.4	0.00	1330	13.6	0.00
2330	18.4	0.16	0630	47.7	0.00	1345	13.6	0.00
2345	42.3	0.47	0645	45.4	0.00	1400	13.6	0.00
November 16, 1989			0700	42.3	0.00	1415	13.6	0.00
0000	93.4	0.09	0715	40.1	0.00	1430	13.1	0.00
0015	160.0	0.05	0730	37.9	0.00	1445	12.5	0.00
0030	247.0	0.05	0745	32.8	0.00	1500	12.5	0.00
0045	300.0	0.02	0800	28.1	0.00	1515	12.5	0.00
0100	336.0	0.01	0815	25.7	0.01	1530	12.0	0.00
0115	348.0	0.01	0830	24.1	0.00	1545	12.0	0.00
0130	357.0	0.00	0845	22.6	0.01	1600	12.0	0.00
0145	348.0	0.00	0900	21.9	0.00	1615	11.5	0.00
0200	325.0	0.00	0915	21.1	0.00	1630	11.5	0.00
0215	287.0	0.03	0930	20.4	0.00	1645	11.5	0.00
0230	234.0	0.02	0945	19.7	0.00	1700	11.5	0.00
0245	198.0	0.00	1000	19.1	0.00	1715	11.1	0.00
0300	168.0	0.01	1015	18.4	0.00	1730	11.1	0.00
0315	140.0	0.00	1030	18.4	0.00	1745	11.1	0.00
0330	124.0	0.00	1045	17.8	0.00	1800	11.1	0.00
0345	110.0	0.00	1100	17.1	0.00			

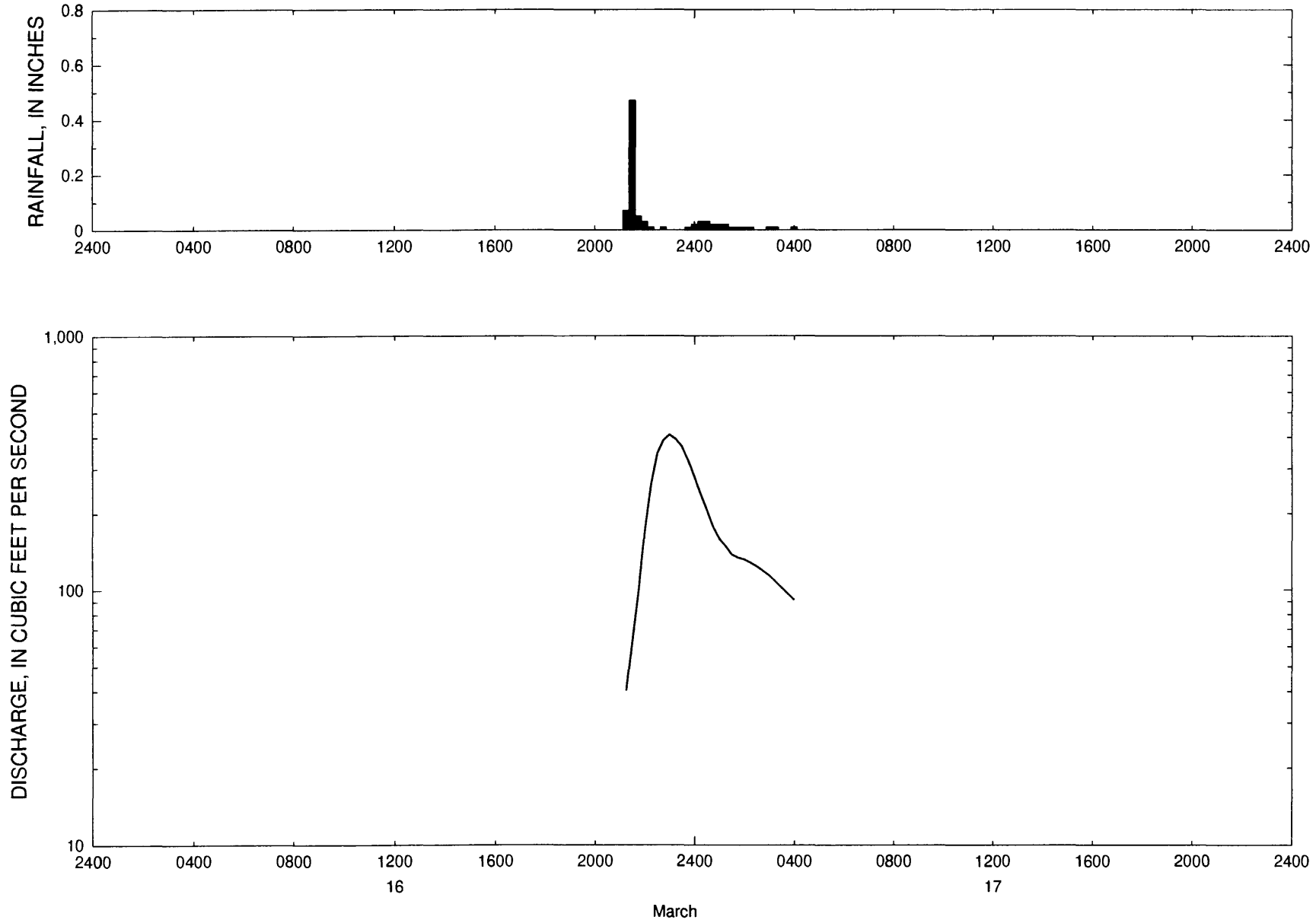


Figure 57.--Streamflow and rainfall at station 02160325, Brushy Creek (Enoree River tributary) near Greenville, March 16-17, 1990.

Table 56.--Streamflow and rainfall at station 02160325, Brushy Creek (Enoree River tributary) near Greenville, March 16-17, 1990

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
March 16, 1990			2330	368.0	0.00	0145	134.0	0.01
2115	40.1	0.07	2345	325.0	0.01	0200	132.0	0.01
2130	63.4	0.47	March 17, 1990			0215	128.0	0.01
2145	99.8	0.05	0000	278.0	0.02	0230	124.0	0.00
2200	172.0	0.03	0015	237.0	0.03	0245	119.0	0.00
2215	262.0	0.01	0030	205.0	0.03	0300	114.0	0.01
2230	345.0	0.00	0045	177.0	0.02	0315	108.0	0.01
2245	389.0	0.01	0100	159.0	0.02	0330	102.0	0.00
2300	409.0	0.00	0115	149.0	0.02	0345	96.6	0.00
2315	394.0	0.00	0130	138.0	0.01	0400	91.3	0.01

Station 02162093, Smith Branch at Columbia, S.C.

Location.--Lat 34°01'38", long 81°02'31", Richland County, Hydrologic Unit 03050106, at culvert on North Main Street (U.S. Highway 21), 0.5 mi west of Richland Memorial Hospital, 1.0 mi northwest of the State Hospital, and 2.1 mi upstream from the mouth at the Broad River.

Period of record.-- July 12, 1976, to present (1994). Data from 1983 to 1990 were used in this report.

Gage.--Digital stage recorder with 15-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to the left upstream wingwall of the arch-type culvert. The outside gage is an enameled staff gage attached to the wingwall at the gage.

Rating.--The stage-streamflow relation is defined by current meter measurements up to approximately 960 ft^3/s. The stage-streamflow relation was extended to 2,200 ft^3/s graphically on logarithmic paper.

Rain gage and location.--Station 340138081023400, lat 34°01'38", long 81°02'34". A shelter containing a digital cumulative rainfall recorder with a 15-minute punch interval attached to the downstream side of a bridge in Earlewood Park, and 200 ft downstream from the streamflow gage.

Selected basin characteristics.--

Drainage area -- 5.49 mi^2
Physiographic province -- Inner Coastal Plain
Channel slope -- 30.6 ft/mi
Channel length -- 3.37 mi
Total impervious area -- 34.0 percent
Basin development factor -- 8
2-year, 2-hour rainfall amount -- 2.10 in.

Flood frequency data:		
	UQ_2	1,400 ft^3/s
	UQ_5	2,090 ft^3/s
	UQ_{10}	2,510 ft^3/s
	UQ_{25}	3,010 ft^3/s
	UQ_{50}	3,340 ft^3/s
	UQ_{100}	3,660 ft^3/s
	UQ_{500}	4,310 ft^3/s

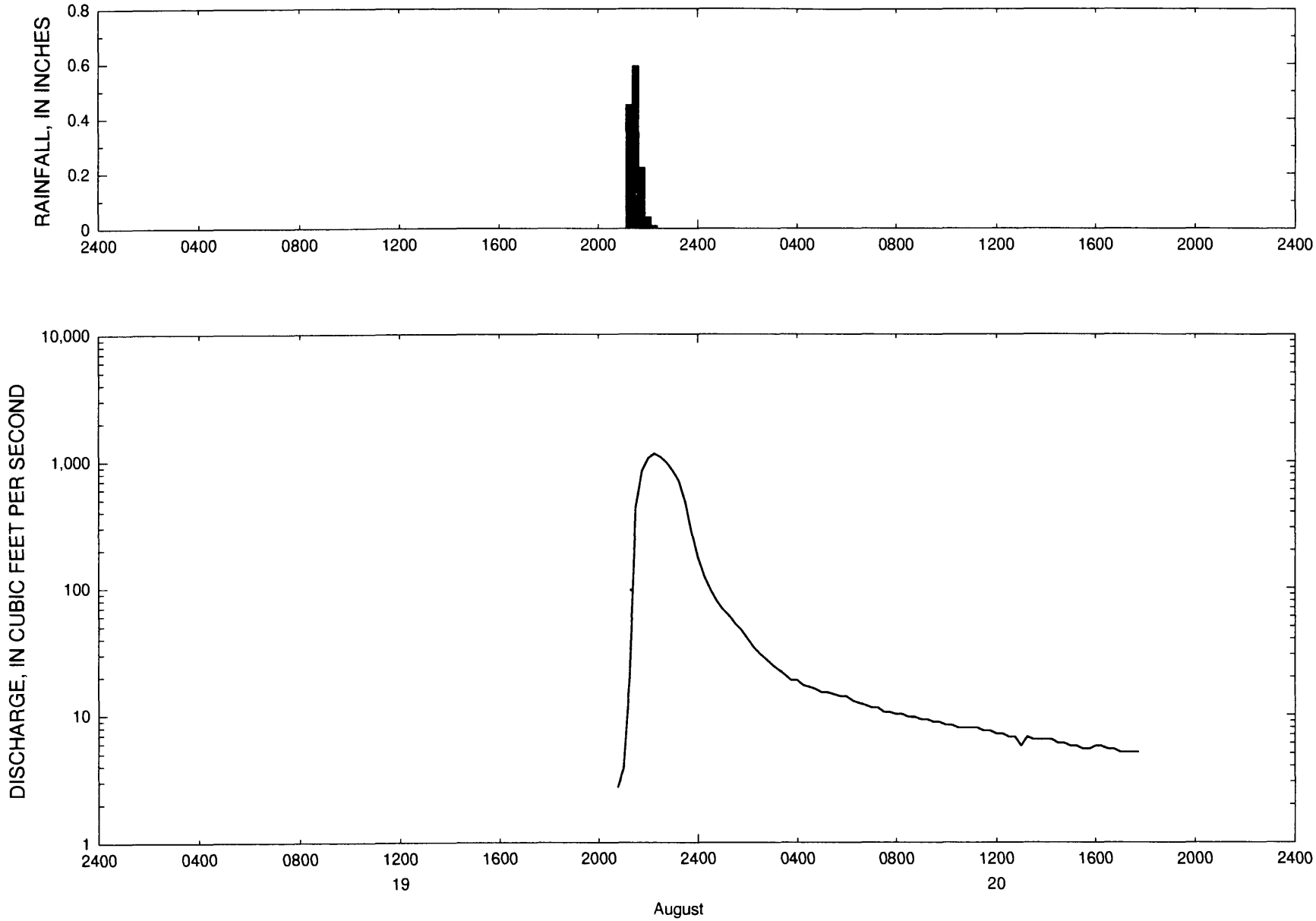


Figure 58.--Streamflow and rainfall at station 02162093, Smith Branch at Columbia, August 19-20, 1984.

Table 57.--Streamflow and rainfall at station 02162093, Smith Branch at Columbia, August 19-20, 1984

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
August 19, 1984			0345	18.8	0.00	1115	7.9	0.00
2045	2.7	0.00	0400	18.8	0.00	1130	7.5	0.00
2100	3.8	0.00	0415	17.1	0.00	1145	7.5	0.00
2115	20.0	0.45	0430	16.6	0.00	1200	7.1	0.00
2130	435.0	0.59	0445	16.0	0.00	1215	7.1	0.00
2145	839.0	0.22	0500	15.0	0.00	1230	6.7	0.00
2200	1060.0	0.04	0515	15.0	0.00	1245	6.7	0.00
2215	1150.0	0.01	0530	14.5	0.00	1300	5.7	0.00
2230	1080.0	0.00	0545	14.0	0.00	1315	6.7	0.00
2245	975.0	0.00	0600	14.0	0.00	1330	6.4	0.00
2300	839.0	0.00	0615	12.9	0.00	1345	6.4	0.00
2315	693.0	0.00	0630	12.4	0.00	1400	6.4	0.00
2330	473.0	0.00	0645	11.9	0.00	1415	6.4	0.00
2345	278.0	0.00	0700	11.4	0.00	1430	6.0	0.00
August 20, 1984			0715	11.4	0.00	1445	6.0	0.00
0000	173.0	0.00	0730	10.5	0.00	1500	5.7	0.00
0015	124.0	0.00	0745	10.5	0.00	1515	5.7	0.00
0030	97.5	0.00	0800	10.1	0.00	1530	5.4	0.00
0045	79.4	0.00	0815	10.1	0.00	1545	5.4	0.00
0100	67.8	0.00	0830	9.6	0.00	1600	5.7	0.00
0115	60.5	0.00	0845	9.6	0.00	1615	5.7	0.00
0130	51.8	0.00	0900	9.2	0.00	1630	5.4	0.00
0145	46.3	0.00	0915	9.2	0.00	1645	5.4	0.00
0200	39.3	0.00	0930	8.8	0.00	1700	5.1	0.00
0215	33.7	0.00	0945	8.8	0.00	1715	5.1	0.00
0230	30.1	0.00	1000	8.3	0.00	1730	5.1	0.00
0245	27.3	0.00	1015	8.3	0.00	1745	5.1	0.00
0300	24.6	0.00	1030	7.9	0.00	1800	4.8	0.00
0315	22.6	0.00	1045	7.9	0.00			
0330	20.6	0.00	1100	7.9	0.00			

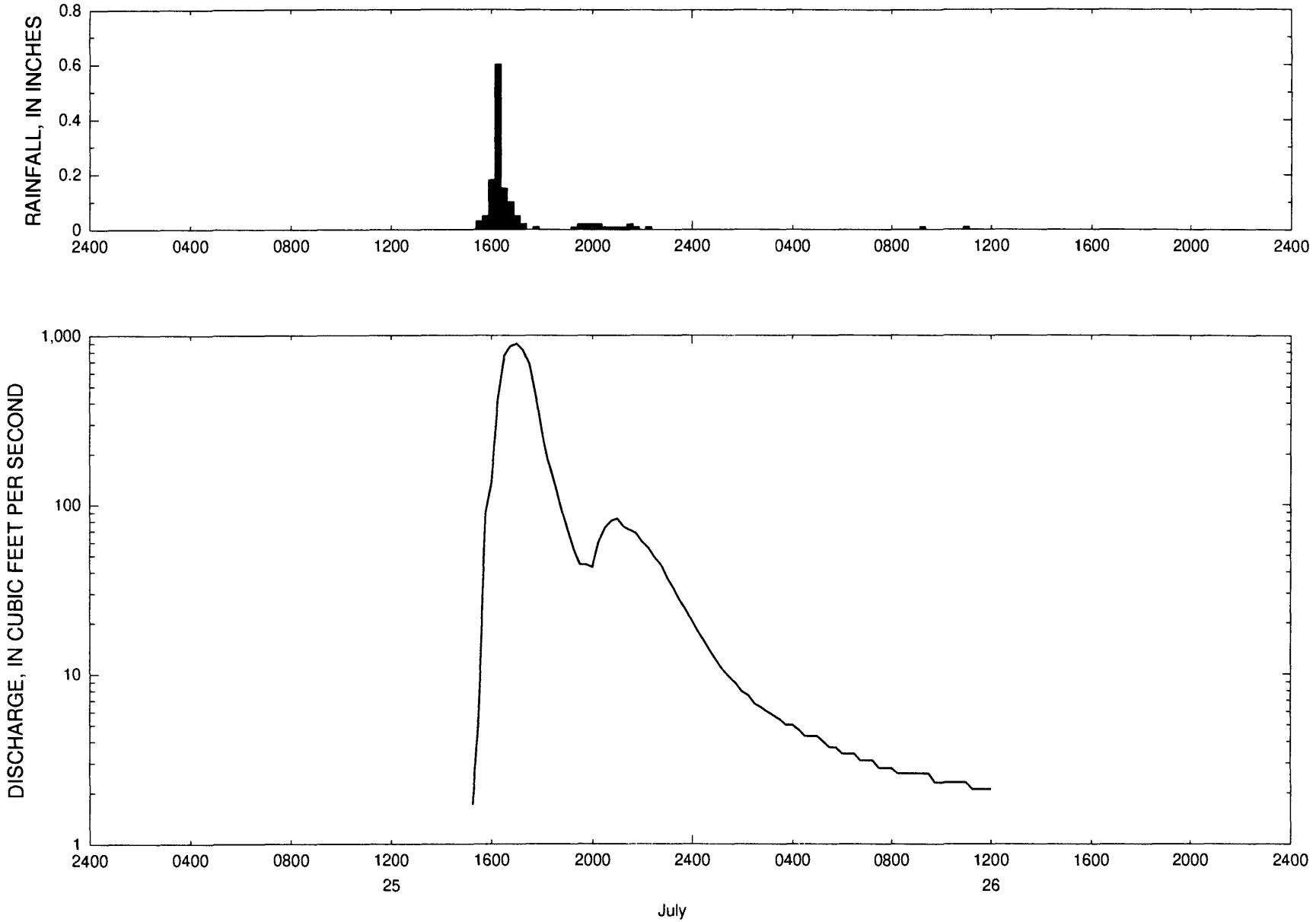


Figure 59.--Streamflow and rainfall at station 02162093, Smith Branch at Columbia, July 25-26, 1986.

Table 58.--Streamflow and rainfall at station 02162093, Smith Branch at Columbia, July 25-26, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 25, 1986			2230	49.0	0.00	0600	3.4	0.00
1515	1.7	0.00	2245	44.4	0.00	0615	3.4	0.00
1530	5.7	0.03	2300	36.8	0.00	0630	3.4	0.00
1545	84.8	0.05	2315	32.2	0.00	0645	3.1	0.00
1600	135.0	0.18	2330	27.3	0.00	0700	3.1	0.00
1615	412.0	0.60	2345	23.9	0.00	0715	3.1	0.00
1630	756.0	0.15	July 26, 1986			0730	2.8	0.00
1645	866.0	0.10	0015	17.7	0.00	0745	2.8	0.00
1700	895.0	0.05	0030	15.5	0.00	0800	2.8	0.00
1715	821.0	0.02	0045	13.5	0.00	0815	2.6	0.00
1730	674.0	0.00	0100	11.9	0.00	0830	2.6	0.00
1745	436.0	0.01	0115	10.5	0.00	0845	2.6	0.00
1800	266.0	0.00	0130	9.6	0.00	0900	2.6	0.00
1815	178.0	0.00	0145	8.8	0.00	0915	2.6	0.01
1830	131.0	0.00	0200	7.9	0.00	0930	2.6	0.00
1845	95.2	0.00	0215	7.5	0.00	0945	2.3	0.00
1900	71.0	0.00	0230	6.7	0.00	1000	2.3	0.00
1915	54.6	0.01	0245	6.4	0.00	1015	2.3	0.00
1930	44.4	0.02	0300	6.0	0.00	1030	2.3	0.00
1945	44.4	0.02	0315	5.7	0.00	1045	2.3	0.00
2000	42.7	0.02	0330	5.4	0.00	1100	2.3	0.01
2015	60.5	0.02	0345	5.0	0.00	1115	2.1	0.00
2030	73.0	0.01	0400	5.0	0.00	1130	2.1	0.00
2045	80.4	0.01	0415	4.7	0.00	1145	2.1	0.00
2100	82.6	0.01	0430	4.3	0.00	1200	2.1	0.00
2115	74.1	0.01	0445	4.3	0.00			
2130	71.0	0.02	0500	4.3	0.00			
2145	67.8	0.01	0515	4.0	0.00			
2200	60.5	0.00	0530	3.7	0.00			
2215	55.6	0.01	0545	3.7	0.00			

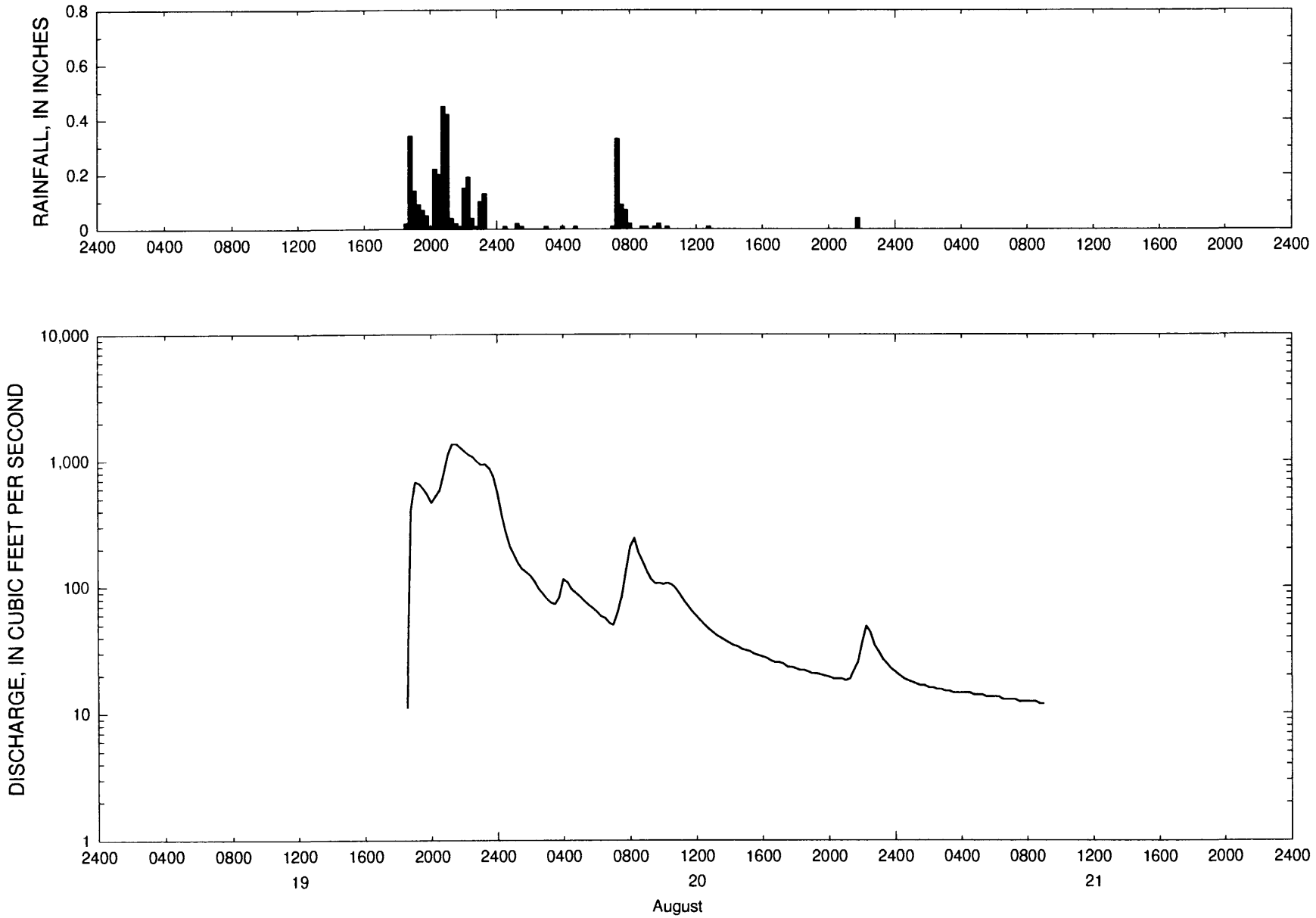


Figure 60.--Streamflow and rainfall at station 02162093, Smith Branch at Columbia, August 19-21, 1986.

Table 59.--Streamflow and rainfall at station 02162093, Smith Branch at Columbia, August 19-21, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 19, 1986			0645	51.8	0.00	2045	18.8	0.00
1815	3.0	0.00	0700	50.0	0.01	2100	18.2	0.00
1830	11.0	0.02	0715	62.6	0.33	2115	18.8	0.00
1845	410.0	0.34	0730	84.8	0.09	2145	25.3	0.04
1900	679.0	0.14	0745	136.0	0.07	2200	36.0	0.00
1915	656.0	0.09	0800	209.0	0.02	2215	49.0	0.00
1930	601.0	0.07	0815	243.0	0.00	2230	43.6	0.00
1945	539.0	0.05	0830	185.0	0.00	2245	34.5	0.00
2000	466.0	0.01	0845	160.0	0.01	2300	30.8	0.00
2015	523.0	0.22	0900	135.0	0.01	2315	26.7	0.00
2030	589.0	0.20	0915	115.0	0.00	2330	24.6	0.00
2045	808.0	0.45	0930	106.0	0.01	2345	22.6	0.00
2100	1130.0	0.42	0945	107.0	0.02	August 21, 1986		
2115	1360.0	0.04	1000	105.0	0.00	0000	21.3	0.00
2130	1360.0	0.02	1015	107.0	0.01	0030	18.8	0.00
2145	1270.0	0.01	1030	104.0	0.00	0045	18.2	0.00
2200	1190.0	0.15	1045	96.3	0.00	0100	17.7	0.00
2215	1120.0	0.19	1100	87.1	0.00	0115	17.1	0.00
2230	1080.0	0.04	1115	77.2	0.00	0130	16.6	0.00
2245	989.0	0.01	1145	63.6	0.00	0145	16.6	0.00
2300	931.0	0.10	1200	58.5	0.00	0200	16.0	0.00
2315	943.0	0.13	1215	53.7	0.00	0215	16.0	0.00
2330	868.0	0.00	1245	46.3	0.01	0230	15.5	0.00
2345	744.0	0.00	1300	43.6	0.00	0245	15.5	0.00
August 20, 1986			1315	41.0	0.00	0300	15.0	0.00
0000	557.0	0.00	1330	39.3	0.00	0315	15.0	0.00
0015	376.0	0.00	1345	37.6	0.00	0330	14.5	0.00
0030	273.0	0.01	1400	36.0	0.00	0345	14.5	0.00
0045	212.0	0.00	1415	34.5	0.00	0400	14.5	0.00
0100	182.0	0.00	1430	33.7	0.00	0415	14.5	0.00
0115	156.0	0.02	1445	32.2	0.00	0430	14.5	0.00
0130	139.0	0.01	1500	31.5	0.00	0445	14.0	0.00
0145	131.0	0.00	1515	30.8	0.00	0500	14.0	0.00
0200	123.0	0.00	1530	29.4	0.00	0515	14.0	0.00
0215	110.0	0.00	1545	28.7	0.00	0530	13.5	0.00
0230	96.3	0.00	1600	28.0	0.00	0545	13.5	0.00
0245	88.2	0.00	1615	27.3	0.00	0600	13.5	0.00
0300	80.4	0.01	1630	26.0	0.00	0615	13.5	0.00
0315	75.1	0.00	1645	25.3	0.00	0630	12.9	0.00
0330	73.0	0.00	1700	25.3	0.00	0645	12.9	0.00
0345	82.6	0.00	1715	24.6	0.00	0700	12.9	0.00
0400	115.0	0.01	1730	23.2	0.00	0715	12.9	0.00
0415	109.0	0.00	1745	23.2	0.00	0730	12.4	0.00
0430	95.2	0.00	1800	22.6	0.00	0745	12.4	0.00
0445	89.3	0.01	1815	21.9	0.00	0800	12.4	0.00
0500	83.7	0.00	1830	21.9	0.00	0815	12.4	0.00
0515	77.2	0.00	1845	21.3	0.00	0830	12.4	0.00
0530	72.0	0.00	1900	20.6	0.00	0845	11.9	0.00
0545	67.8	0.00	1915	20.6	0.00	0850	11.9	0.00
0600	63.6	0.00	2000	19.4	0.00	0855	11.9	0.00
0615	58.5	0.00	2015	18 8	0.00	0900	11.9	0.00
0630	56.6	0.00	2030	18.8	0.00			

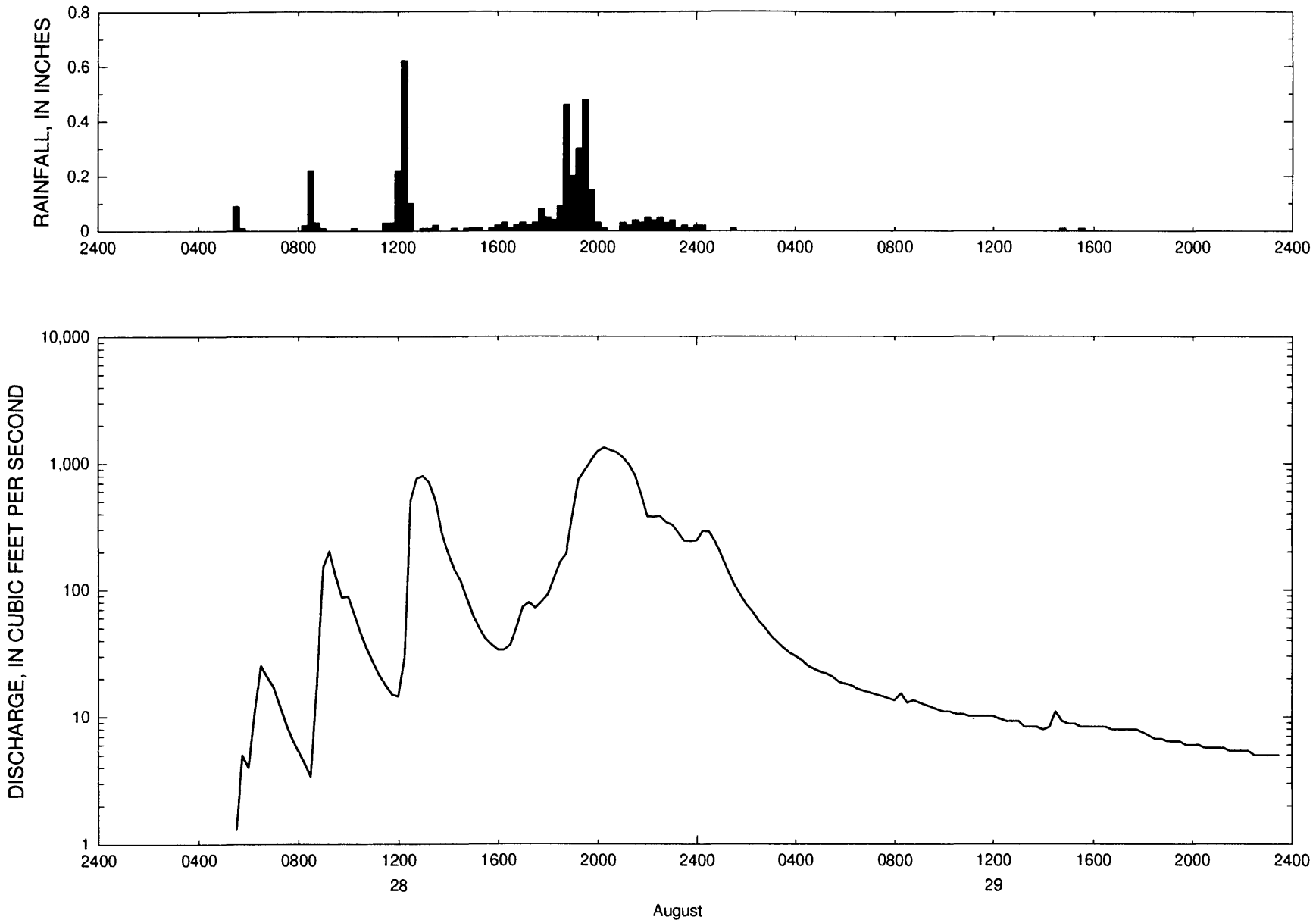


Figure 61.--Streamflow and rainfall at station 02162093, Smith Branch at Columbia, August 28-29, 1988.

Table 60.--Streamflow and rainfall at station 02162093, Smith Branch at Columbia, August 28-29, 1988

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
August 28, 1988			1945	1050.0	0.15	1015	11.0	0.00
0530	1.3	0.09	2000	1240.0	0.03	1030	10.5	0.00
0545	5.0	0.01	2015	1330.0	0.01	1045	10.5	0.00
0600	4.0	0.00	2045	1220.0	0.00	1100	10.1	0.00
0615	11.0	0.00	2100	1120.0	0.03	1115	10.1	0.00
0630	25.3	0.00	2115	981.0	0.02	1130	10.1	0.00
0645	20.6	0.00	2130	802.0	0.04	1145	10.1	0.00
0700	17.1	0.00	2145	559.0	0.03	1200	10.1	0.00
0715	12.4	0.00	2200	380.0	0.05	1215	9.6	0.00
0730	8.8	0.00	2215	378.0	0.04	1230	9.2	0.00
0745	6.7	0.00	2230	384.0	0.05	1245	9.2	0.00
0800	5.4	0.00	2245	342.0	0.03	1300	9.2	0.00
0815	4.3	0.02	2300	327.0	0.04	1315	8.3	0.00
0830	3.4	0.22	2315	283.0	0.01	1330	8.3	0.00
0845	18.2	0.03	2330	243.0	0.02	1345	8.3	0.00
0900	152.0	0.01	2345	243.0	0.01	1400	7.9	0.00
0915	202.0	0.00	August 29, 1988			1415	8.3	0.00
0930	129.0	0.00	0000	246.0	0.02	1430	11.0	0.00
0945	87.1	0.00	0015	293.0	0.02	1445	9.2	0.01
1000	89.3	0.00	0030	291.0	0.00	1500	8.8	0.00
1015	64.6	0.01	0045	240.0	0.00	1515	8.8	0.00
1030	46.3	0.00	0100	185.0	0.00	1530	8.3	0.01
1045	34.5	0.00	0115	143.0	0.00	1545	8.3	0.00
1100	26.7	0.00	0130	112.0	0.01	1600	8.3	0.00
1115	21.3	0.00	0145	92.8	0.00	1615	8.3	0.00
1130	17.7	0.03	0200	77.2	0.00	1630	8.3	0.00
1145	15.0	0.03	0215	67.8	0.00	1645	7.9	0.00
1200	14.5	0.22	0230	57.5	0.00	1700	7.9	0.00
1215	29.4	0.62	0245	50.9	0.00	1715	7.9	0.00
1230	506.0	0.10	0300	43.6	0.00	1730	7.9	0.00
1245	766.0	0.00	0315	39.3	0.00	1745	7.9	0.00
1300	800.0	0.01	0330	35.3	0.00	1800	7.5	0.00
1315	710.0	0.01	0345	32.2	0.00	1815	7.1	0.00
1330	506.0	0.02	0400	30.1	0.00	1830	6.7	0.00
1345	285.0	0.00	0415	28.0	0.00	1845	6.7	0.00
1400	195.0	0.00	0430	25.3	0.00	1900	6.4	0.00
1415	144.0	0.01	0445	23.9	0.00	1915	6.4	0.00
1430	119.0	0.00	0500	22.6	0.00	1930	6.4	0.00
1445	87.1	0.01	0515	21.9	0.00	1945	6.0	0.00
1500	62.6	0.01	0530	20.6	0.00	2000	6.0	0.00
1515	50.0	0.01	0545	18.8	0.00	2015	6.0	0.00
1530	41.0	0.00	0600	18.2	0.00	2030	5.7	0.00
1545	36.8	0.01	0615	17.7	0.00	2045	5.7	0.00
1600	33.7	0.02	0630	16.6	0.00	2100	5.7	0.00
1615	33.7	0.03	0645	16.0	0.00	2115	5.7	0.00
1630	36.8	0.01	0700	15.5	0.00	2130	5.4	0.00
1645	50.9	0.02	0715	15.0	0.00	2145	5.4	0.00
1700	73.0	0.03	0730	14.5	0.00	2200	5.4	0.00
1715	79.4	0.02	0745	14.0	0.00	2215	5.4	0.00
1730	72.0	0.03	0800	13.5	0.00	2230	5.0	0.00
1745	80.4	0.08	0815	15.3	0.00	2245	5.0	0.00
1800	91.6	0.05	0830	12.9	0.00	2300	5.0	0.00
1815	123.0	0.04	0845	13.5	0.00	2315	5.0	0.00
1830	166.0	0.09	0900	12.9	0.00	2330	5.0	0.00
1845	192.0	0.46	0915	12.4	0.00	2345	4.7	0.00
1900	387.0	0.20	0930	11.9	0.00			
1915	744.0	0.30	0945	11.4	0.00			
1930	887.0	0.48	1000	11.0	0.00			

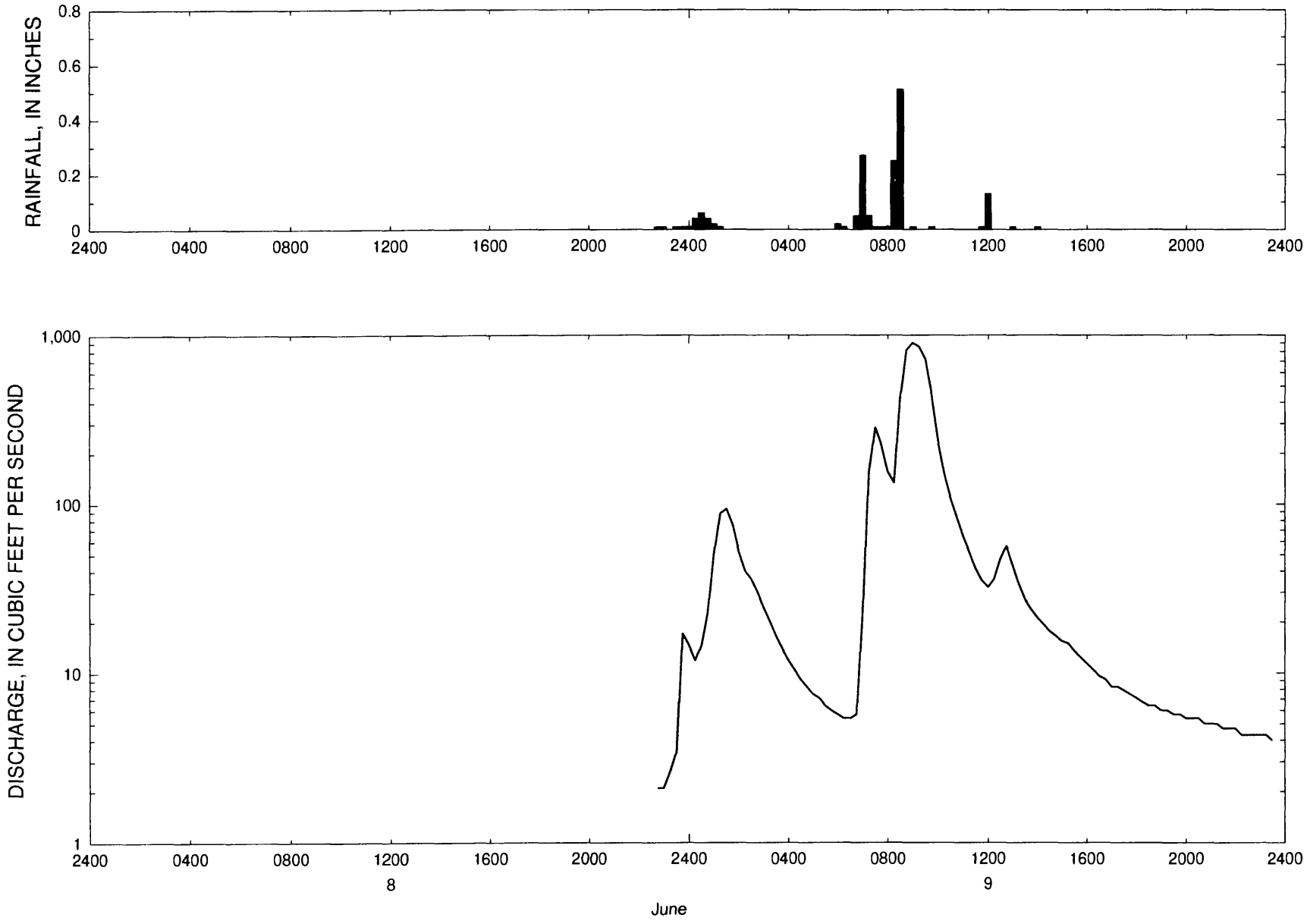


Figure 62.--Streamflow and rainfall at station 02162093, Smith Branch at Columbia, June 8-10, 1989.

Table 61.--Streamflow and rainfall at station 02162093, Smith Branch at Columbia, June 8-10, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 8, 1989			0715	156.0	0.05	1600	11.4	0.00
2245	2.1	0.01	0730	285.0	0.01	1615	10.5	0.00
2300	2.1	0.01	0745	224.0	0.01	1630	9.6	0.00
2315	2.6	0.00	0800	156.0	0.01	1645	9.2	0.00
2330	3.4	0.01	0815	134.0	0.25	1700	8.3	0.00
2345	17.1	0.01	0830	431.0	0.51	1715	8.3	0.00
June 9, 1989			0845	817.0	0.00	1730	7.9	0.00
0000	14.5	0.01	0900	903.0	0.01	1745	7.5	0.00
0015	11.9	0.04	0915	856.0	0.00	1800	7.1	0.00
0030	14.5	0.06	0930	720.0	0.00	1815	6.7	0.00
0045	22.6	0.04	0945	444.0	0.01	1830	6.4	0.00
0100	50.0	0.02	1000	237.0	0.00	1845	6.4	0.00
0115	88.2	0.01	1015	151.0	0.00	1900	6.0	0.00
0130	94.0	0.00	1030	109.0	0.00	1915	6.0	0.00
0145	75.1	0.00	1045	83.7	0.00	1930	5.7	0.00
0200	51.8	0.00	1100	64.6	0.00	1945	5.7	0.00
0215	40.1	0.00	1115	51.8	0.00	2000	5.4	0.00
0230	36.0	0.00	1130	41.8	0.00	2015	5.4	0.00
0245	30.1	0.00	1145	35.3	0.01	2030	5.4	0.00
0300	24.6	0.00	1200	32.2	0.13	2045	5.0	0.00
0330	16.6	0.00	1215	36.0	0.00	2100	5.0	0.00
0345	14.0	0.00	1230	47.2	0.00	2115	5.0	0.00
0400	11.9	0.00	1245	56.6	0.00	2130	4.7	0.00
0415	10.5	0.00	1300	43.6	0.01	2145	4.7	0.00
0430	9.2	0.00	1315	33.7	0.00	2200	4.7	0.00
0445	8.3	0.00	1330	27.3	0.00	2215	4.3	0.00
0500	7.5	0.00	1345	23.9	0.00	2230	4.3	0.00
0515	7.1	0.00	1400	21.3	0.01	2245	4.3	0.00
0530	6.4	0.00	1415	19.4	0.00	2300	4.3	0.00
0545	6.0	0.00	1430	17.7	0.00	2315	4.3	0.00
0600	5.7	0.02	1445	16.6	0.00	2330	4.0	0.00
0615	5.4	0.01	1500	15.5	0.00	2345	4.0	0.00
0630	5.4	0.00	1515	15.0	0.00	June 10, 1989		
0645	5.7	0.05	1530	13.5	0.00	0000	4.0	0.00
0700	21.9	0.27	1545	12.4	0.00			

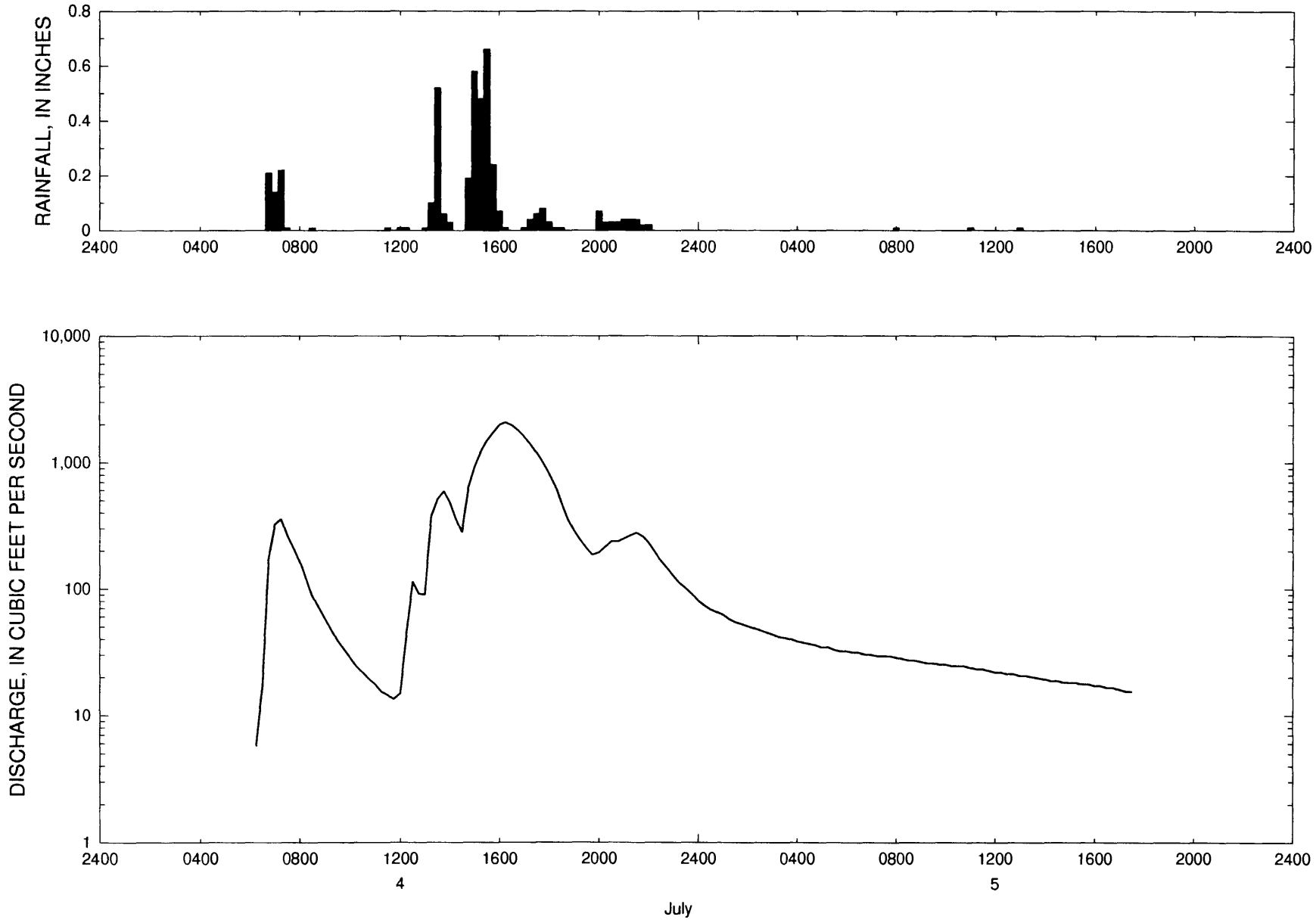


Figure 63.--Streamflow and rainfall at station 02162093, Smith Branch at Columbia, July 4-5, 1989.

Table 62.--Streamflow and rainfall at station 02162093, Smith Branch at Columbia, July 4-5, 1989

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
July 4, 1989			1815	660.0	0.01	0615	31.5	0.00
0615	5.7	0.00	1830	475.0	0.01	0630	31.5	0.00
0630	17.1	0.00	1845	358.0	0.00	0645	30.1	0.00
0645	172.0	0.21	1900	288.0	0.00	0700	30.1	0.00
0700	325.0	0.14	1915	243.0	0.00	0715	29.4	0.00
0715	358.0	0.22	1930	210.0	0.00	0730	29.4	0.00
0730	266.0	0.01	1945	186.0	0.00	0745	29.4	0.00
0745	212.0	0.00	2000	194.0	0.07	0800	28.7	0.01
0800	165.0	0.00	2015	215.0	0.03	0815	28.0	0.00
0815	120.0	0.00	2030	237.0	0.03	0830	27.3	0.00
0830	88.2	0.01	2045	237.0	0.03	0845	27.3	0.00
0845	71.0	0.00	2100	250.0	0.04	0900	26.7	0.00
0900	58.5	0.00	2115	265.0	0.04	0915	26.0	0.00
0915	48.1	0.00	2130	278.0	0.04	0930	26.0	0.00
0930	39.3	0.00	2145	261.0	0.02	0945	25.3	0.00
0945	33.7	0.00	2200	230.0	0.02	1000	25.3	0.00
1000	28.7	0.00	2215	195.0	0.00	1015	24.6	0.00
1015	24.6	0.00	2230	165.0	0.00	1030	24.6	0.00
1030	21.9	0.00	2245	144.0	0.00	1045	24.6	0.00
1045	19.4	0.00	2300	126.0	0.00	1100	23.9	0.01
1100	17.7	0.00	2315	111.0	0.00	1115	23.2	0.00
1115	15.5	0.00	2330	101.0	0.00	1130	23.2	0.00
1130	14.5	0.01	2345	91.6	0.00	1145	22.6	0.00
1145	13.5	0.00	July 5, 1989			1200	21.9	0.00
1200	15.0	0.01	0000	80.4	0.00	1215	21.9	0.00
1215	45.3	0.01	0015	74.1	0.00	1230	21.3	0.00
1230	114.0	0.00	0030	68.9	0.00	1245	21.3	0.00
1245	91.6	0.00	0045	65.7	0.00	1300	20.6	0.01
1300	90.5	0.01	0100	62.6	0.00	1315	20.6	0.00
1315	378.0	0.10	0115	57.5	0.00	1400	19.4	0.00
1330	515.0	0.52	0130	54.6	0.00	1415	18.8	0.00
1345	590.0	0.06	0145	52.8	0.00	1430	18.8	0.00
1400	484.0	0.03	0200	50.9	0.00	1445	18.2	0.00
1415	358.0	0.00	0215	49.0	0.00	1500	18.2	0.00
1430	283.0	0.00	0230	47.2	0.00	1515	18.2	0.00
1445	635.0	0.19	0245	45.3	0.00	1530	17.7	0.00
1500	925.0	0.58	0300	43.6	0.00	1545	17.7	0.00
1515	1210.0	0.48	0315	41.8	0.00	1600	17.1	0.00
1530	1490.0	0.66	0330	41.0	0.00	1615	17.1	0.00
1545	1730.0	0.24	0345	40.1	0.00	1630	16.6	0.00
1600	1990.0	0.07	0400	38.5	0.00	1645	16.6	0.00
1615	2080.0	0.01	0415	37.6	0.00	1700	16.0	0.00
1630	1980.0	0.00	0430	36.8	0.00	1715	15.5	0.00
1645	1800.0	0.00	0445	36.0	0.00	1730	15.5	0.00
1700	1610.0	0.01	0500	34.5	0.00	1745	15.5	0.00
1715	1410.0	0.04	0515	34.5	0.00	1800	15.5	0.00
1730	1200.0	0.06	0530	33.0	0.00			
1745	1010.0	0.08	0545	32.2	0.00			
1800	827.0	0.03	0600	32.2	0.00			

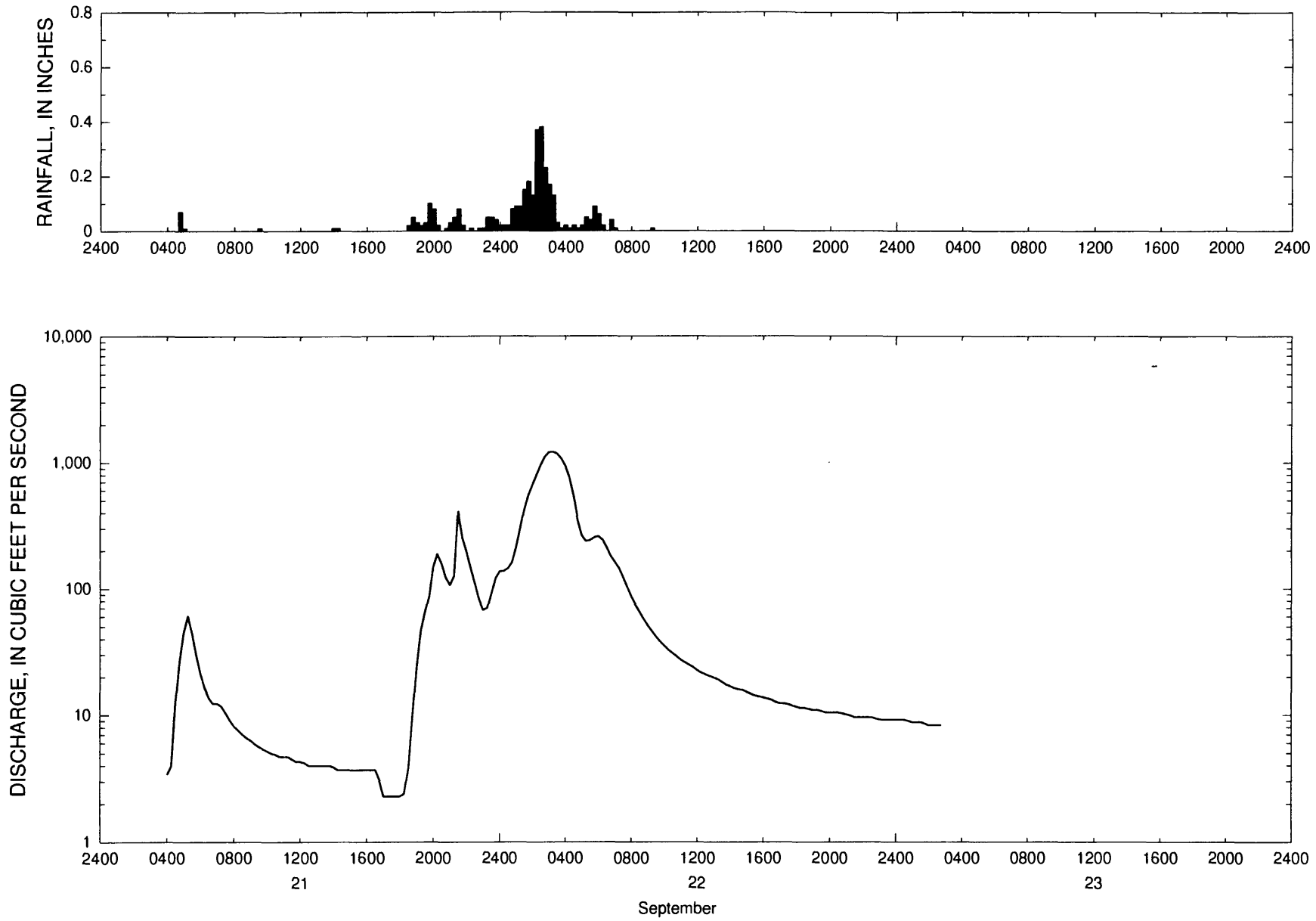


Figure 64.--Streamflow and rainfall at station 02162093, Smith Branch at Columbia, September 21-23, 1989.

Table 63.--Streamflow and rainfall at station 02162093, Smith Branch at Columbia, September 21-23, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 21, 1989			2000	148.0	0.08	1200	22.6	0.00
0400	3.4	0.00	2015	188.0	0.02	1215	21.6	0.00
0415	4.0	0.00	2030	158.0	0.00	1230	21.0	0.00
0430	12.4	0.00	2045	123.0	0.01	1245	20.4	0.00
0445	26.6	0.07	2100	107.0	0.03	1300	19.8	0.00
0500	44.9	0.01	2115	126.0	0.05	1315	19.2	0.00
0515	60.9	0.00	2130	409.0	0.08	1330	18.3	0.00
0530	44.7	0.00	2145	252.0	0.02	1345	17.4	0.00
0545	29.8	0.00	2200	196.0	0.00	1400	16.9	0.00
0600	21.4	0.00	2215	145.0	0.01	1415	16.3	0.00
0615	16.4	0.00	2230	108.0	0.00	1430	16.0	0.00
0630	13.7	0.00	2245	81.7	0.01	1445	15.8	0.00
0645	12.4	0.00	2300	67.9	0.01	1500	15.3	0.00
0700	12.4	0.00	2315	70.6	0.05	1515	14.8	0.00
0715	11.8	0.00	2330	92.2	0.05	1530	14.3	0.00
0730	10.4	0.00	2345	121.0	0.04	1545	14.0	0.00
0745	9.1	0.00	September 22, 1989			1600	13.8	0.00
0800	8.2	0.00	0000	137.0	0.02	1615	13.5	0.00
0815	7.6	0.00	0015	138.0	0.02	1630	13.2	0.00
0830	7.0	0.00	0030	145.0	0.02	1645	12.7	0.00
0845	6.6	0.00	0045	161.0	0.08	1700	12.4	0.00
0900	6.3	0.00	0100	209.0	0.09	1715	12.4	0.00
0915	5.9	0.00	0115	301.0	0.09	1730	12.2	0.00
0930	5.6	0.01	0130	426.0	0.15	1745	11.9	0.00
0945	5.4	0.00	0145	554.0	0.18	1800	11.7	0.00
1000	5.2	0.00	0200	665.0	0.13	1815	11.4	0.00
1015	5.0	0.00	0215	799.0	0.37	1830	11.4	0.00
1030	4.9	0.00	0230	958.0	0.38	1845	11.2	0.00
1045	4.7	0.00	0245	1110.0	0.23	1900	11.0	0.00
1100	4.7	0.00	0300	1210.0	0.17	1915	11.0	0.00
1115	4.7	0.00	0315	1220.0	0.13	1930	10.8	0.00
1130	4.5	0.00	0330	1180.0	0.03	1945	10.5	0.00
1145	4.3	0.00	0345	1080.0	0.01	2000	10.5	0.00
1200	4.3	0.00	0400	944.0	0.02	2015	10.5	0.00
1215	4.2	0.00	0415	754.0	0.01	2030	10.5	0.00
1230	4.0	0.00	0430	529.0	0.02	2045	10.3	0.00
1245	4.0	0.00	0445	349.0	0.01	2100	10.1	0.00
1300	4.0	0.00	0500	265.0	0.02	2115	9.9	0.00
1315	4.0	0.00	0515	238.0	0.05	2130	9.6	0.00
1330	4.0	0.00	0530	242.0	0.04	2145	9.6	0.00
1345	4.0	0.00	0545	255.0	0.09	2200	9.6	0.00
1400	3.9	0.01	0600	260.0	0.06	2215	9.6	0.00
1415	3.7	0.01	0615	244.0	0.02	2230	9.6	0.00
1430	3.7	0.00	0630	210.0	0.00	2245	9.4	0.00
1445	3.7	0.00	0645	180.0	0.04	2300	9.2	0.00
1500	3.7	0.00	0700	162.0	0.01	2315	9.2	0.00
1515	3.7	0.00	0715	145.0	0.00	2330	9.2	0.00
1530	3.7	0.00	0730	123.0	0.00	2345	9.2	0.00
1545	3.7	0.00	0745	103.0	0.00	September 23, 1989		
1600	3.7	0.00	0800	87.0	0.00	0000	9.2	0.00
1615	3.7	0.00	0815	74.9	0.00	0015	9.2	0.00
1630	3.7	0.00	0830	65.3	0.00	0030	9.2	0.00
1645	3.1	0.00	0845	57.6	0.00	0045	9.0	0.00
1700	2.3	0.00	0900	51.3	0.00	0100	8.8	0.00
1715	2.3	0.00	0915	46.1	0.01	0115	8.8	0.00
1730	2.3	0.00	0930	41.7	0.00	0130	8.8	0.00
1745	2.3	0.00	0945	38.2	0.00	0145	8.6	0.00
1800	2.3	0.00	1000	35.5	0.00	0200	8.3	0.00
1815	2.4	0.00	1015	32.8	0.00	0215	8.3	0.00
1830	3.9	0.02	1030	30.9	0.00	0230	8.3	0.00
1845	9.8	0.05	1045	29.2	0.00	0245	8.3	0.00
1900	23.4	0.03	1100	27.4	0.00	0300	8.3	0.00
1915	45.7	0.02	1115	26.1	0.00			
1930	64.6	0.03	1130	25.0	0.00			
1945	87.5	0.10	1145	24.0	0.00			

Station 02163940, Richland Creek Tributary at Greenville, S.C.

Location.--Lat 34°52'42", long 82°23'52", Greenville County, Hydrologic Unit 03050109, at culvert on Southern Railroad crossing, 0.4 mi upstream of Rutherford Road (State secondary road 21), 1.9 mi north of the Federal Building, and 0.7 mi upstream from the mouth at Richland Creek (a tributary of the Reedy River).

Period of record.-- November 20, 1985 to October 18, 1989.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to a free-standing platform on the right bank, approximately 8 ft upstream from the 9.1-ft corrugated metal pipe culvert. A crest-stage indicator is located on the left downstream bank near the culvert exit.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 21.6 ft^3/s. The stage-streamflow relation was extended to 500 ft^3/s using indirect computational methods.

Rain gage and location.--Station 345230082234000, lat 34°52'30", long 82°23'40". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval attached to the left upstream wingwall at the Rutherford Road (State secondary road 21) crossing of the Richland Creek tributary, and approximately 1.7 mi north of the Federal Building.

Selected basin characteristics.--

Drainage area -- 0.78 mi^2
Physiographic province -- Piedmont
Channel slope -- 152.0 ft/mi
Channel length -- 1.27 mi
Total impervious area -- 27.0 percent
Basin development factor -- 5
2-year, 2-hour rainfall amount -- 2.15 in.

Flood frequency data:		
	UQ_2	315 ft^3/s
	UQ_5	539 ft^3/s
	UQ_{10}	698 ft^3/s
	UQ_{25}	905 ft^3/s
	UQ_{50}	1,060 ft^3/s
	UQ_{100}	1,220 ft^3/s
	UQ_{500}	1,580 ft^3/s

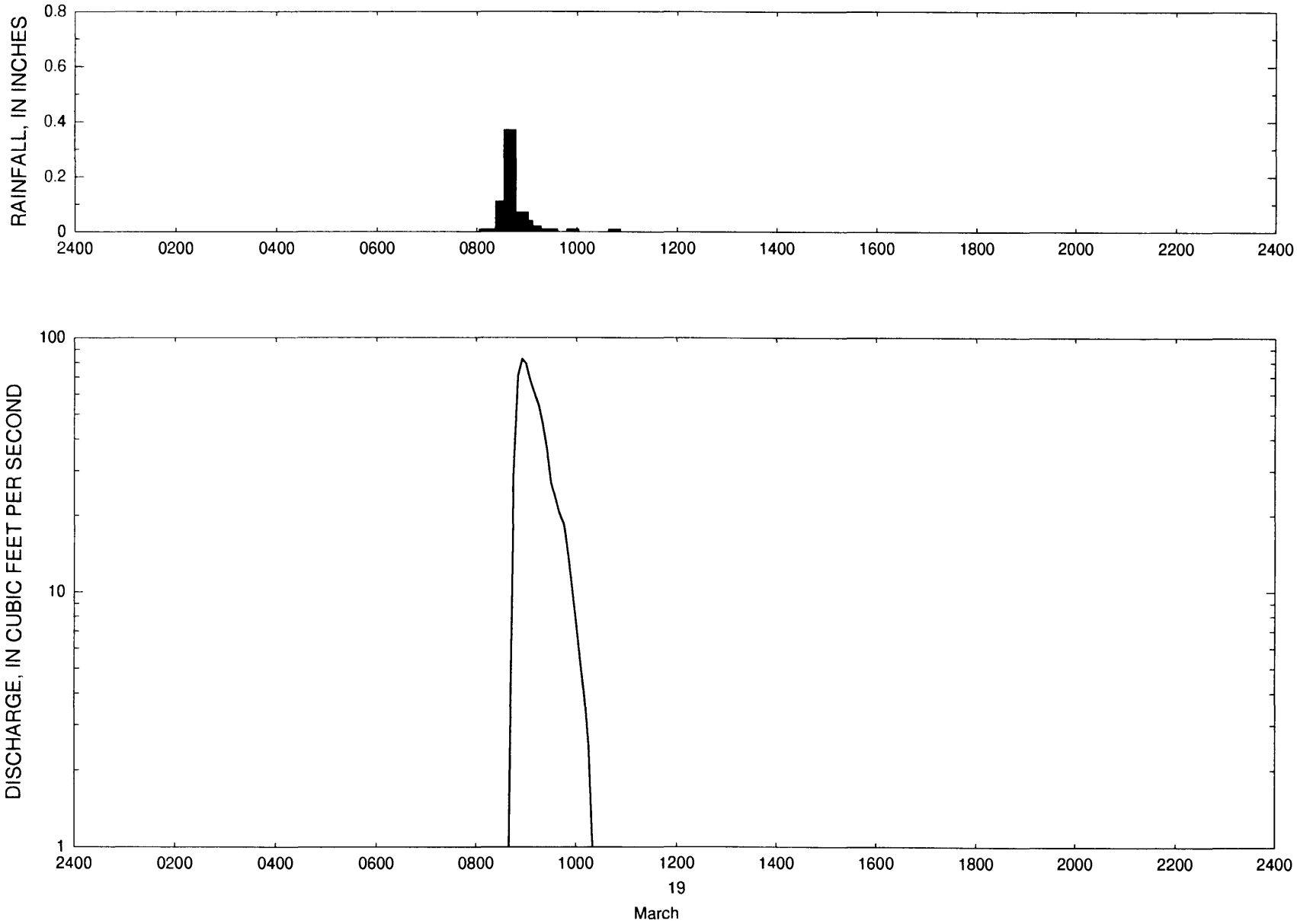


Figure 65.--Streamflow and rainfall at station 02163940, Richland Creek tributary at Greenville, March 19, 1986.

Table 64.--Streamflow and rainfall at station 02163940, Richland Creek tributary at Greenville, March 19, 1986

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
March 19, 1986			0905	67.6	0.02	1005	5.4	0.00
0810	1.0	0.01	0910	60.5	0.02	1010	3.9	0.00
0815	1.0	0.01	0915	54.1	0.01	1015	2.5	0.00
0820	1.0	0.00	0920	45.9	0.00	1020	1.0	0.00
0825	1.0	0.01	0925	36.8	0.00	1025	1.0	0.00
0830	1.0	0.11	0930	26.9	0.01	1030	1.0	0.00
0835	1.0	0.04	0935	23.6	0.00	1035	1.0	0.00
0840	1.0	0.37	0940	20.5	0.00	1040	1.0	0.00
0845	28.6	0.06	0945	18.6	0.00	1045	1.0	0.01
0850	70.9	0.04	0950	14.2	0.00	1050	1.0	0.00
0855	82.6	0.07	0955	10.4	0.01	1055	1.0	0.00
0900	79.0	0.04	1000	7.6	0.00	1100	1.0	0.00

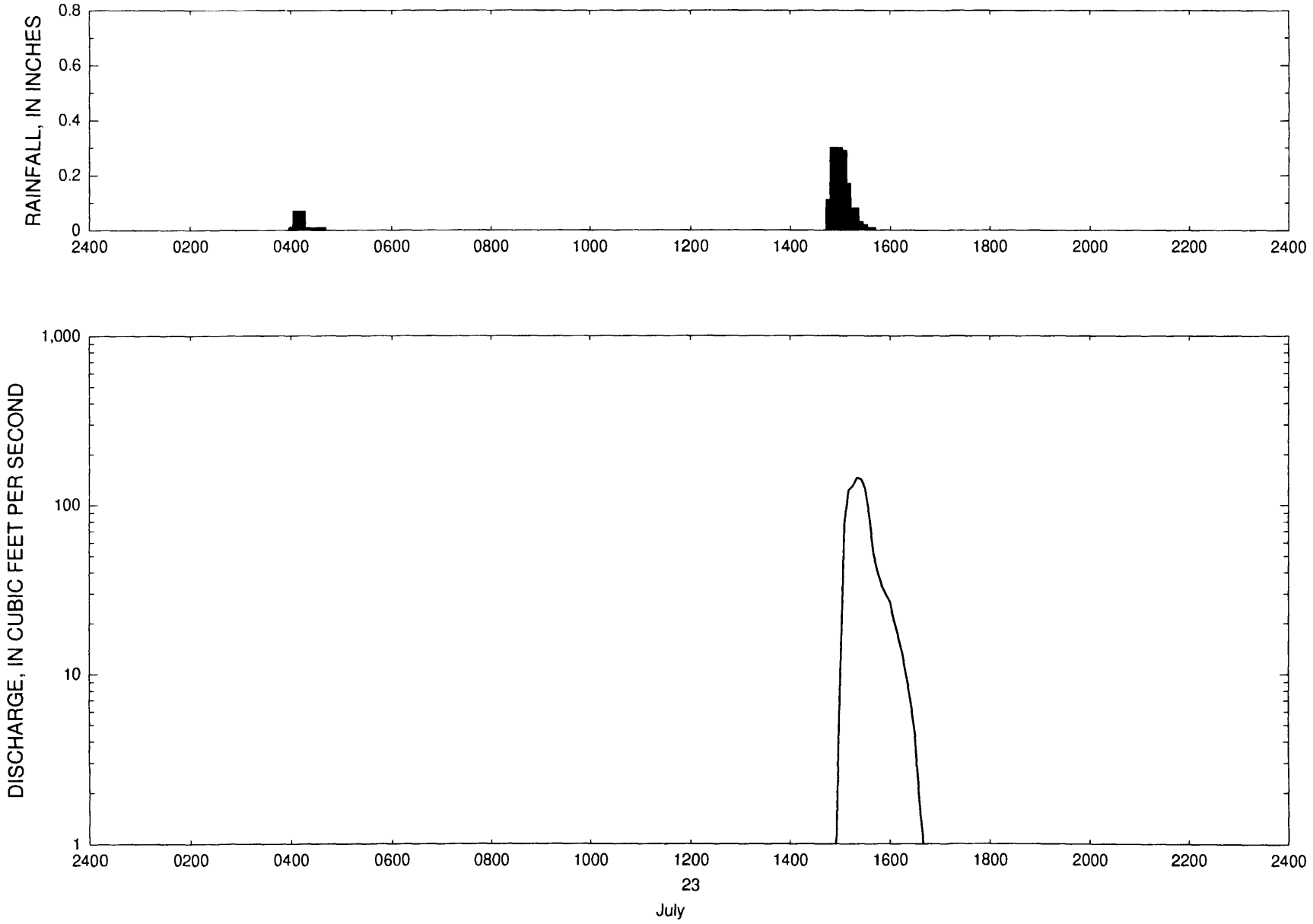


Figure 66.--Streamflow and rainfall at station 02163940, Richland Creek tributary at Greenville, July 23, 1986.

Table 65.--Streamflow and rainfall at station 02163940, Richland Creek tributary at Greenville, July 23, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 23, 1986			0825	1.0	0.00	1250	1.0	0.00
0405	1.0	0.01	0830	1.0	0.00	1255	1.0	0.00
0410	1.0	0.07	0835	1.0	0.00	1300	1.0	0.00
0415	1.0	0.01	0840	1.0	0.00	1305	1.0	0.00
0420	1.0	0.01	0845	1.0	0.00	1310	1.0	0.00
0425	1.0	0.00	0850	1.0	0.00	1315	1.0	0.00
0430	1.0	0.00	0855	1.0	0.00	1320	1.0	0.00
0435	1.0	0.01	0900	1.0	0.00	1325	1.0	0.00
0440	1.0	0.00	0905	1.0	0.00	1330	1.0	0.00
0445	1.0	0.00	0910	1.0	0.00	1335	1.0	0.00
0450	1.0	0.00	0915	1.0	0.00	1340	1.0	0.00
0455	1.0	0.00	0920	1.0	0.00	1345	1.0	0.00
0500	1.0	0.00	0925	1.0	0.00	1350	1.0	0.00
0505	1.0	0.00	0930	1.0	0.00	1355	1.0	0.00
0510	1.0	0.00	0935	1.0	0.00	1400	1.0	0.00
0515	1.0	0.00	0940	1.0	0.00	1405	1.0	0.00
0520	1.0	0.00	0945	1.0	0.00	1410	1.0	0.00
0525	1.0	0.00	0950	1.0	0.00	1415	1.0	0.00
0530	1.0	0.00	0955	1.0	0.00	1420	1.0	0.00
0535	1.0	0.00	1000	1.0	0.00	1425	1.0	0.00
0540	1.0	0.00	1005	1.0	0.00	1430	1.0	0.00
0545	1.0	0.00	1010	1.0	0.00	1435	1.0	0.00
0550	1.0	0.00	1015	1.0	0.00	1440	1.0	0.00
0555	1.0	0.00	1020	1.0	0.00	1445	1.0	0.00
0600	1.0	0.00	1025	1.0	0.00	1450	1.0	0.11
0605	1.0	0.00	1030	1.0	0.00	1455	1.0	0.30
0610	1.0	0.00	1035	1.0	0.00	1500	9.0	0.29
0615	1.0	0.00	1040	1.0	0.00	1505	77.6	0.17
0620	1.0	0.00	1045	1.0	0.00	1510	122.0	0.08
0625	1.0	0.00	1050	1.0	0.00	1515	129.0	0.08
0630	1.0	0.00	1055	1.0	0.00	1520	145.0	0.03
0635	1.0	0.00	1100	1.0	0.00	1525	142.0	0.02
0640	1.0	0.00	1105	1.0	0.00	1530	125.0	0.01
0645	1.0	0.00	1110	1.0	0.00	1535	86.3	0.01
0650	1.0	0.00	1115	1.0	0.00	1540	51.6	0.00
0655	1.0	0.00	1120	1.0	0.00	1545	40.0	0.00
0700	1.0	0.00	1125	1.0	0.00	1550	33.3	0.00
0705	1.0	0.00	1130	1.0	0.00	1555	29.5	0.00
0710	1.0	0.00	1135	1.0	0.00	1600	26.5	0.00
0715	1.0	0.00	1140	1.0	0.00	1605	20.5	0.00
0720	1.0	0.00	1145	1.0	0.00	1610	16.5	0.00
0725	1.0	0.00	1150	1.0	0.00	1615	13.0	0.00
0730	1.0	0.00	1155	1.0	0.00	1620	9.5	0.00
0735	1.0	0.00	1200	1.0	0.00	1625	6.8	0.00
0740	1.0	0.00	1205	1.0	0.00	1630	4.4	0.00
0745	1.0	0.00	1210	1.0	0.00	1635	1.8	0.00
0750	1.0	0.00	1215	1.0	0.00	1640	1.0	0.00
0755	1.0	0.00	1220	1.0	0.00	1645	1.0	0.00
0800	1.0	0.00	1225	1.0	0.00	1650	1.0	0.00
0805	1.0	0.00	1230	1.0	0.00	1655	1.0	0.00
0810	1.0	0.00	1235	1.0	0.00	1700	1.0	0.00
0815	1.0	0.00	1240	1.0	0.00			
0820	1.0	0.00	1245	1.0	0.00			

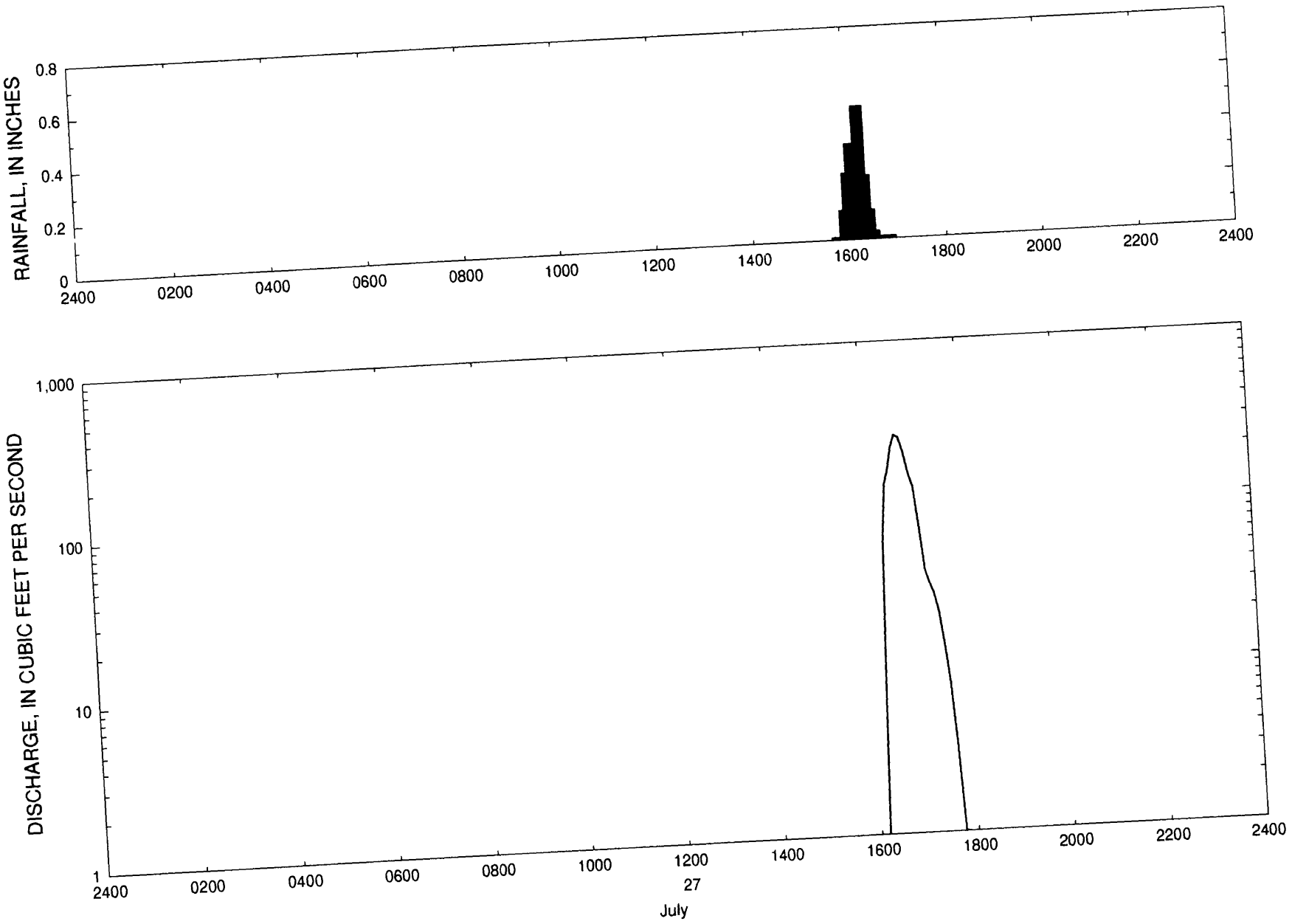


Figure 67.--Streamflow and rainfall at station 02163940, Richland Creek tributary at Greenville, July 27, 1986.

Table 66.--Streamflow and rainfall at station 02163940, Richland Creek tributary at Greenville, July 27, 1986

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
July 27, 1986			1630	164.0	0.03	1720	28.6	0.00
1545	1.0	0.01	1635	224.0	0.01	1725	22.0	0.00
1550	1.0	0.00	1640	266.0	0.00	1730	13.9	0.00
1555	1.0	0.11	1645	258.0	0.00	1735	8.0	0.00
1600	1.0	0.25	1650	211.0	0.01	1740	3.3	0.00
1605	1.0	0.36	1655	156.0	0.00	1745	1.0	0.00
1610	1.0	0.28	1700	129.0	0.00	1750	1.0	0.00
1615	9.0	0.50	1705	74.7	0.00	1755	1.0	0.00
1620	64.2	0.24	1710	39.6	0.00	1800	1.0	0.00
1625	134.0	0.11	1715	33.3	0.00			

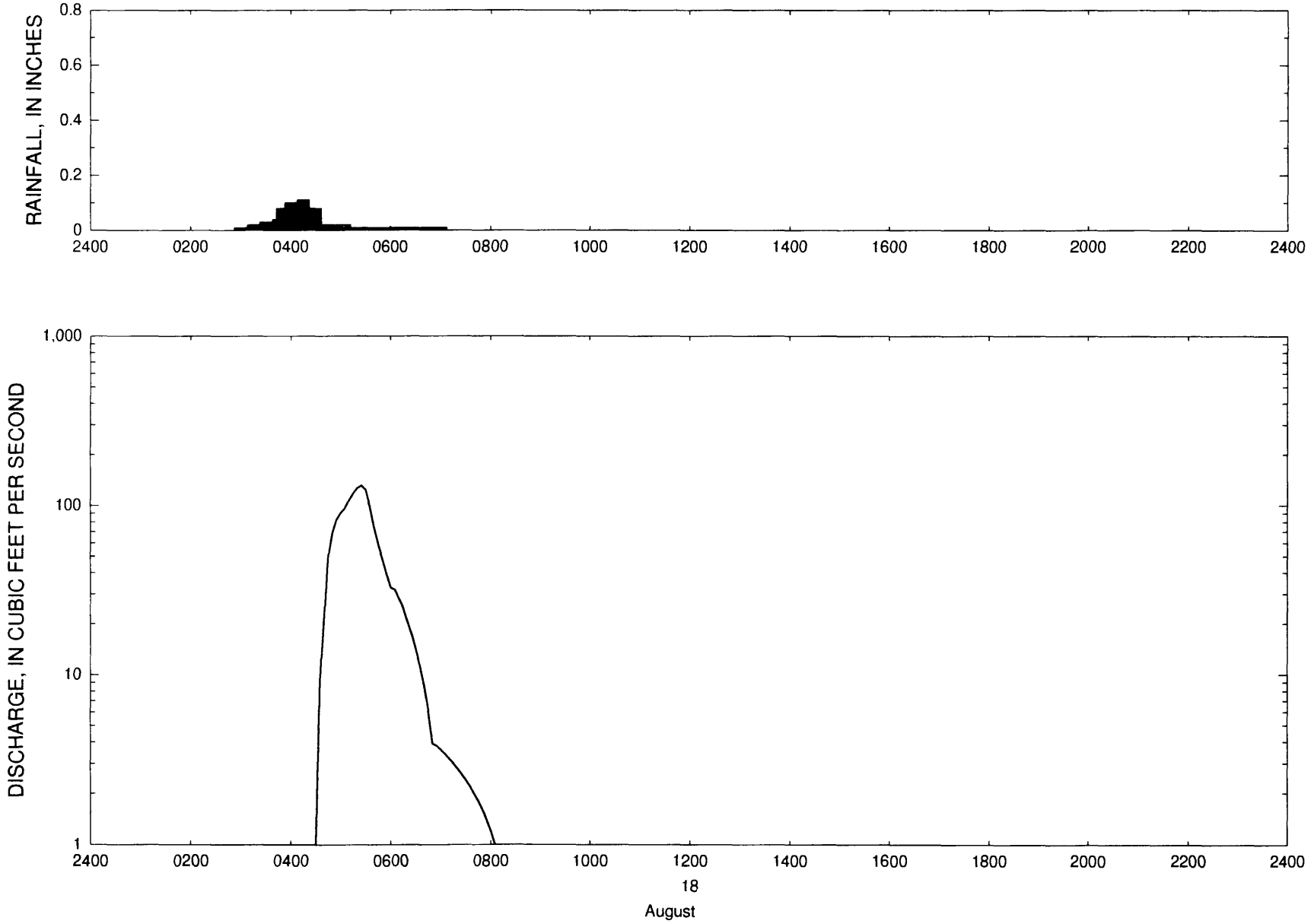


Figure 68.--Streamflow and rainfall at station 02163940, Richland Creek tributary at Greenville, August 18, 1993.

Table 67.--Streamflow and rainfall at station 02163940, Richland Creek tributary at Greenville, August 18, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 18, 1986			0500	90.0	0.02	0705	3.4	0.00
0300	1.0	0.01	0505	96.1	0.02	0710	3.2	0.00
0305	1.0	0.01	0510	107.0	0.01	0715	3.0	0.00
0310	1.0	0.01	0515	118.0	0.00	0720	2.8	0.00
0315	1.0	0.02	0520	127.0	0.00	0725	2.6	0.00
0320	1.0	0.01	0525	131.0	0.01	0730	2.4	0.00
0325	1.0	0.02	0530	123.0	0.00	0735	2.2	0.00
0330	1.0	0.03	0535	99.4	0.01	0740	2.0	0.00
0335	1.0	0.02	0540	73.7	0.01	0745	1.8	0.00
0340	1.0	0.03	0545	58.3	0.01	0750	1.6	0.00
0345	1.0	0.04	0550	48.3	0.01	0755	1.4	0.00
0350	1.0	0.08	0555	39.3	0.01	0800	1.2	0.00
0355	1.0	0.08	0600	32.6	0.01	0805	1.0	0.00
0400	1.0	0.10	0605	31.6	0.00	0810	1.0	0.00
0405	1.0	0.06	0610	27.8	0.01	0815	1.0	0.00
0410	1.0	0.03	0615	24.8	0.00	0820	1.0	0.00
0415	1.0	0.11	0620	20.5	0.01	0825	1.0	0.00
0420	1.0	0.03	0625	17.3	0.01	0830	1.0	0.00
0425	1.0	0.03	0630	13.9	0.00	0835	1.0	0.00
0430	1.0	0.08	0635	11.2	0.01	0840	1.0	0.00
0435	9.0	0.02	0640	8.6	0.00	0845	1.0	0.00
0440	21.2	0.01	0645	6.1	0.01	0850	1.0	0.00
0445	49.2	0.02	0650	3.9	0.00	0855	1.0	0.00
0450	69.0	0.02	0655	3.8	0.00	0900	1.0	0.00
0455	82.1	0.02	0700	3.6	0.01			

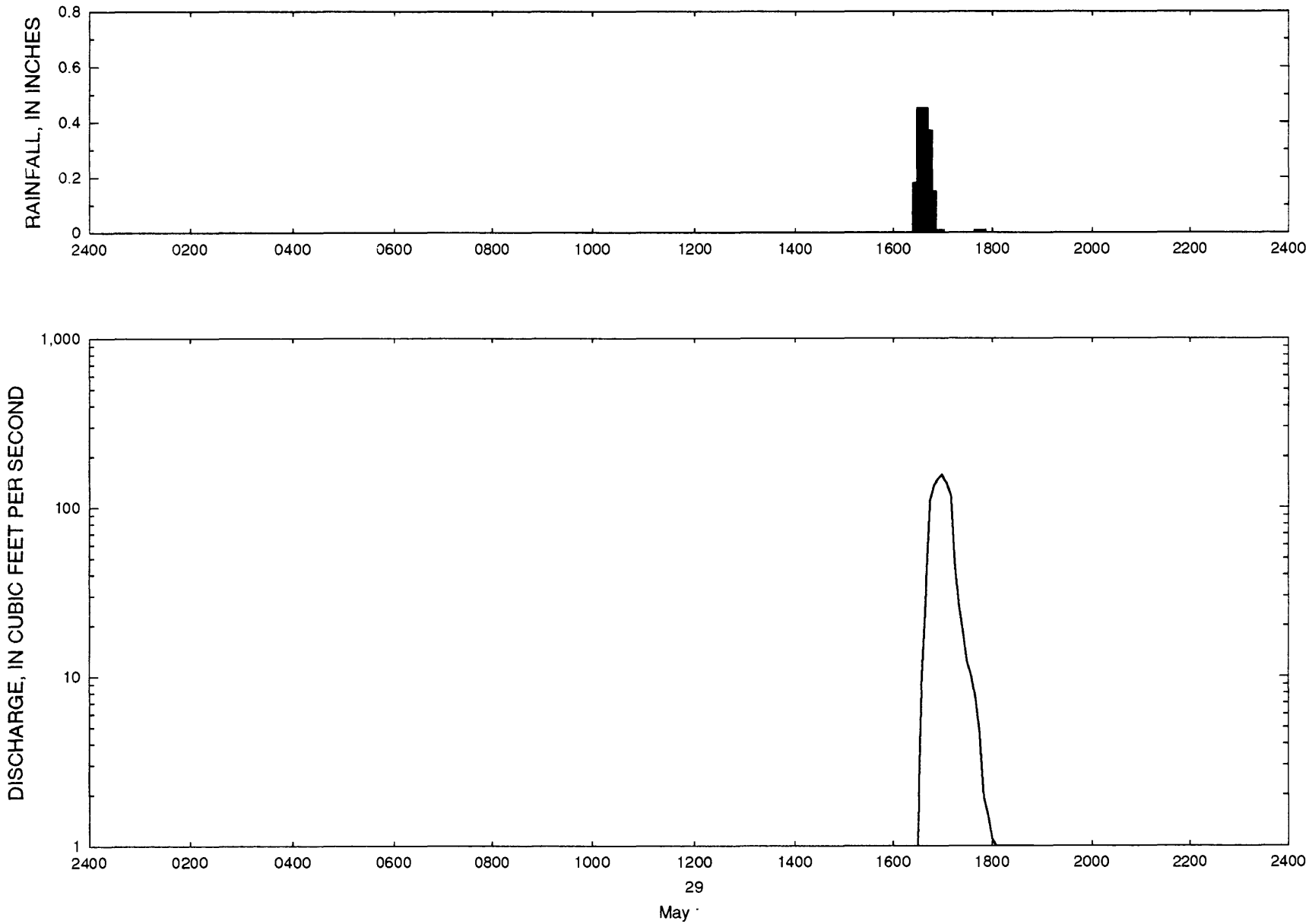


Figure 69.--Streamflow and rainfall at station 02163940, Richland Creek tributary at Greenville, May 29, 1987.

Table 68.--Streamflow and rainfall at station 02163940, Richland Creek tributary at Greenville, May 29, 1987

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
May 29, 1987			1720	26.0	0.00	1815	1.0	0.00
1630	1.0	0.18	1725	17.7	0.00	1820	1.0	0.00
1635	9.0	0.45	1730	12.1	0.00	1825	1.0	0.00
1640	32.0	0.37	1735	10.0	0.00	1830	1.0	0.00
1645	110.0	0.15	1740	7.3	0.00	1835	1.0	0.00
1650	136.0	0.01	1745	4.7	0.01	1840	1.0	0.00
1655	148.0	0.01	1750	1.9	0.00	1845	1.0	0.00
1700	156.0	0.00	1755	1.5	0.00	1850	1.0	0.00
1705	140.0	0.00	1800	1.1	0.00	1855	1.0	0.00
1710	116.0	0.00	1805	1.0	0.00	1900	1.0	0.00
1715	47.5	0.00	1810	1.0	0.00			

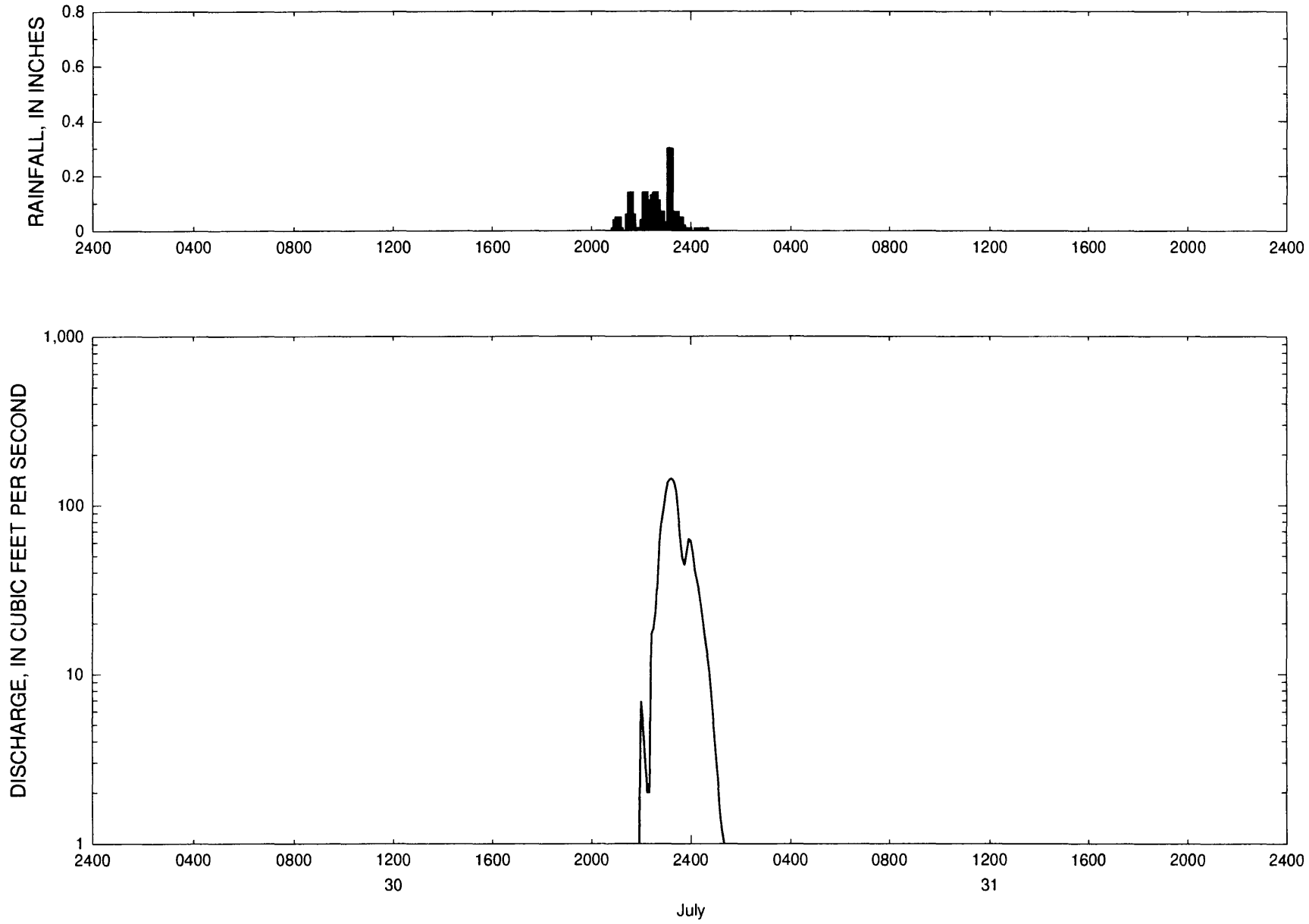


Figure 70.--Streamflow and rainfall at station 02163940, Richland Creek tributary at Greenville, July 30-31, 1987.

Table 69.--Streamflow and rainfall at station 02163940, Richland Creek tributary at Greenville, July 30-31, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 30, 1987			2240	35.0	0.11	0025	25.2	0.01
2055	1.0	0.01	2245	60.9	0.06	0030	20.1	0.00
2100	1.0	0.04	2250	81.0	0.07	0035	15.8	0.01
2105	1.0	0.05	2255	96.1	0.03	0040	13.0	0.00
2110	1.0	0.01	2300	119.0	0.00	0045	10.4	0.00
2115	1.0	0.00	2305	137.0	0.00	0050	7.3	0.00
2120	1.0	0.00	2310	142.0	0.30	0055	5.1	0.00
2125	1.0	0.00	2315	144.0	0.04	0100	3.5	0.00
2130	1.0	0.06	2320	138.0	0.05	0105	2.5	0.00
2135	1.0	0.14	2325	121.0	0.07	0110	1.6	0.00
2140	1.0	0.06	2330	87.9	0.05	0115	1.2	0.00
2145	1.0	0.01	2335	63.3	0.05	0120	1.0	0.00
2150	1.0	0.00	2340	48.7	0.02	0125	1.0	0.00
2155	1.0	0.00	2345	44.3	0.01	0130	1.0	0.00
2200	7.0	0.01	2350	52.4	0.00	0135	1.0	0.00
2205	5.0	0.04	2355	63.3	0.01	0140	1.0	0.00
2210	3.0	0.14	July 31, 1987			0145	1.0	0.00
2215	2.0	0.07	0000	61.4	0.00	0150	1.0	0.00
2220	2.0	0.07	0005	52.0	0.00	0155	1.0	0.01
2225	17.3	0.11	0010	40.8	0.00	0200	1.0	0.00
2230	18.6	0.13	0015	35.7	0.01			
2235	23.2	0.14	0020	30.7	0.00			

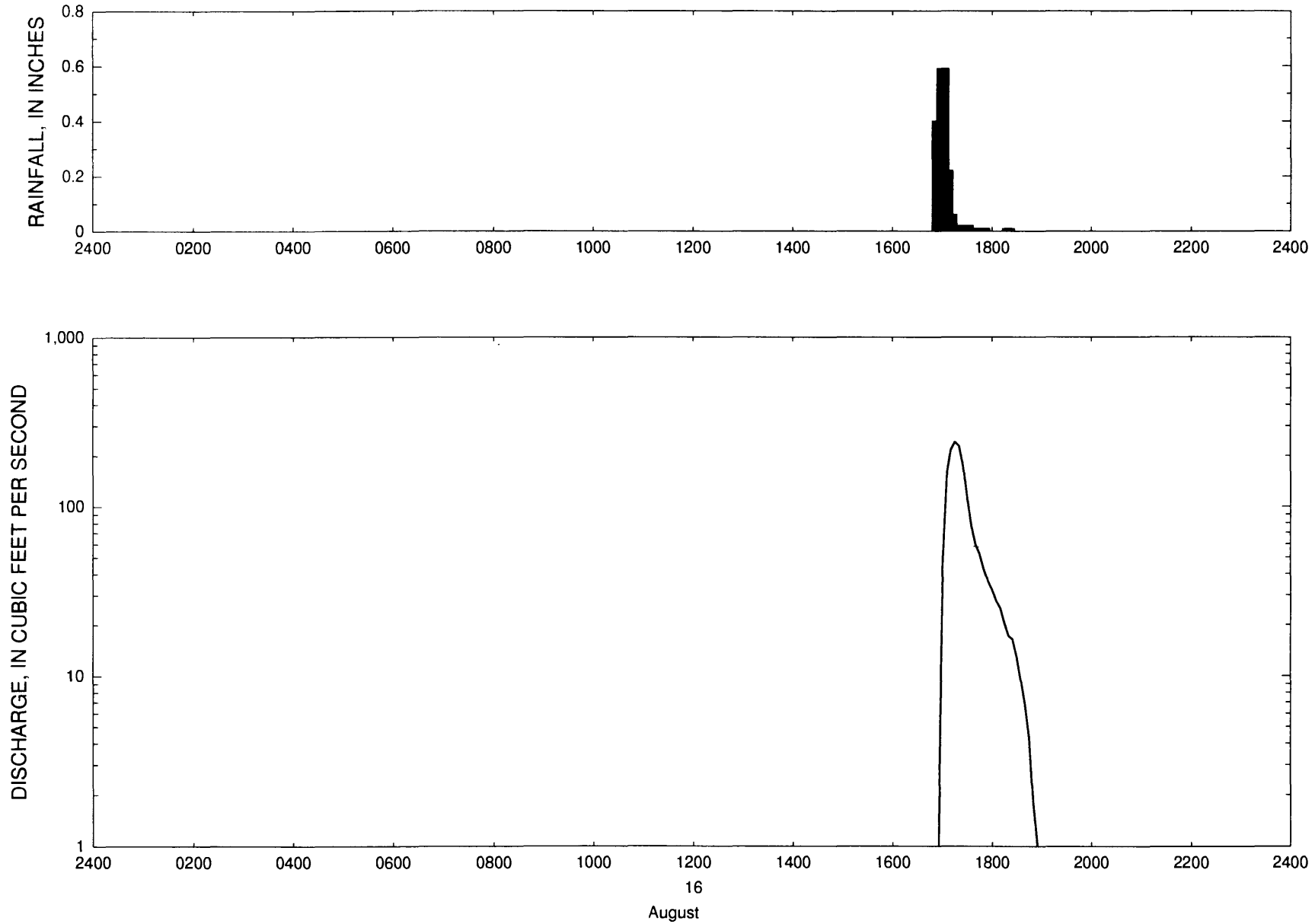


Figure 71.--Streamflow and rainfall at station 02163940, Richland Creek tributary at Greenville, August 16, 1989.

Table 70.--Streamflow and rainfall at station 02163940, Richland Creek tributary at Greenville, August 16, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 16, 1989			1735	77.1	0.01	1820	17.3	0.01
1655	1.0	0.40	1740	60.0	0.00	1825	16.5	0.00
1700	44.7	0.59	1745	52.8	0.00	1830	13.0	0.00
1705	151.0	0.22	1750	43.1	0.01	1835	9.5	0.00
1710	217.0	0.06	1755	36.4	0.00	1840	6.8	0.00
1715	242.0	0.02	1800	32.3	0.00	1845	4.4	0.00
1720	228.0	0.01	1805	27.8	0.00	1850	1.8	0.00
1725	175.0	0.02	1810	25.2	0.00	1855	1.0	0.00
1730	112.0	0.02	1815	20.5	0.00	1900	1.0	0.00

Station 02164011, Brushy Creek (Reedy River Tributary) at Greenville, S.C.

Location.--Lat 34°49'25", long 82°24'26", Greenville County, Hydrologic Unit 03050109, at culvert on Grove Road (State secondary road 20), 1.7 mi south of Greenville City Hall, and 3.9 mi upstream from the mouth at Reedy River.

Period of record.-- August 18, 1983 to October 18, 1989.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to the right downstream wingwall of a double 8 ft by 10 ft concrete box culvert. One crest-stage indicator is located approximately 24 ft upstream from the upstream end of the culvert and is attached to an extension of the left wingwall just downstream from a sewage pipe. A second crest-stage indicator is located on the left downstream wingwall.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 23.4 ft^3/s. The stage-streamflow relation was extended to 1,500 ft^3/s using indirect computational methods.

Rain gage and location.--Station 344949082250600, lat 34°49'49", long 82°25'06". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval at the Allen Street (State secondary road 5) crossing of Brushy Creek, and 0.7 mi southeast of St. Francis Hospital.

Selected basin characteristics.--

Drainage area -- 3.02 mi^2
Physiographic province -- Piedmont
Channel slope -- 48.7 ft/mi
Channel length -- 3.01 mi
Total impervious area -- 34.0 percent
Basin development factor -- 6
2-year, 2-hour rainfall amount -- 2.15 in.

Flood frequency data:	UQ_2	1,050 ft^3/s
	UQ_5	1,700 ft^3/s
	UQ_{10}	2,170 ft^3/s
	UQ_{25}	2,820 ft^3/s
	UQ_{50}	3,330 ft^3/s
	UQ_{100}	3,860 ft^3/s
	UQ_{500}	5,210 ft^3/s

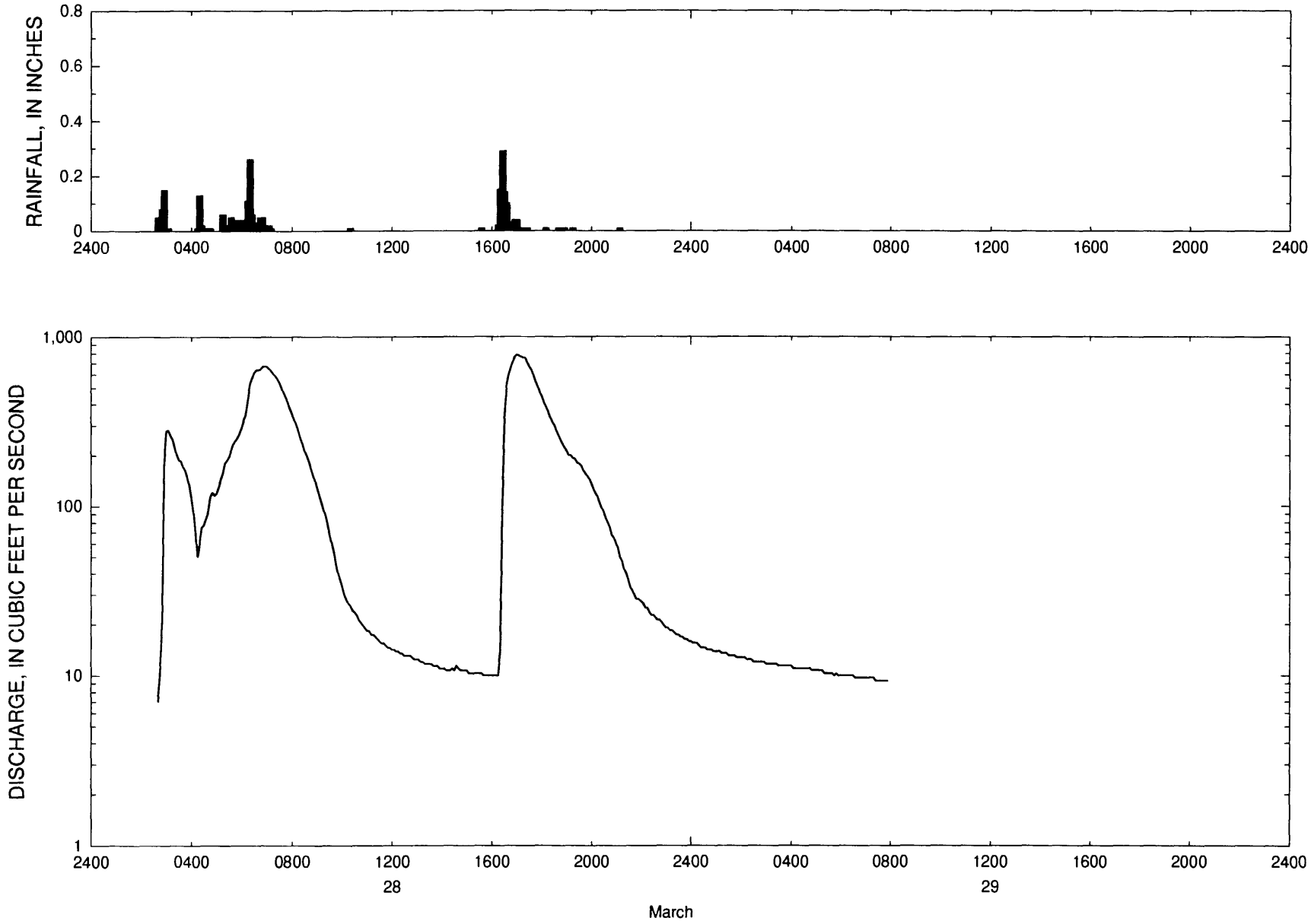


Figure 72.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, March 28-29, 1984.

Table 71.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, March 28-29, 1984

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
March 28, 1984			0800	351.0	0.00	1325	11.7	0.00
0240	7.0	0.05	0805	324.0	0.00	1330	11.7	0.00
0245	10.7	0.03	0810	300.0	0.00	1335	11.7	0.00
0250	21.2	0.08	0815	276.0	0.00	1340	11.4	0.00
0255	177.0	0.15	0820	252.0	0.00	1345	11.4	0.00
0300	280.0	0.01	0825	235.0	0.00	1350	11.4	0.00
0305	283.0	0.01	0830	213.0	0.00	1355	11.0	0.00
0310	265.0	0.00	0835	200.0	0.00	1400	11.0	0.00
0315	250.0	0.00	0840	184.0	0.00	1405	11.0	0.00
0320	224.0	0.00	0845	167.0	0.00	1410	10.7	0.00
0325	202.0	0.00	0850	154.0	0.00	1415	10.7	0.00
0330	188.0	0.00	0855	142.0	0.00	1420	10.7	0.00
0335	186.0	0.00	0900	128.0	0.00	1425	11.0	0.00
0340	172.0	0.00	0905	116.0	0.00	1430	10.7	0.00
0345	165.0	0.00	0910	105.0	0.00	1435	11.4	0.00
0350	151.0	0.00	0915	95.0	0.00	1440	11.0	0.00
0355	133.0	0.00	0920	87.5	0.00	1445	10.7	0.00
0400	112.0	0.00	0925	77.5	0.00	1450	10.7	0.00
0405	92.5	0.00	0930	67.5	0.00	1455	10.7	0.00
0410	70.0	0.00	0935	60.0	0.00	1500	10.7	0.00
0415	50.0	0.01	0940	53.3	0.00	1505	10.3	0.00
0420	60.0	0.13	0945	45.0	0.00	1510	10.3	0.00
0425	75.0	0.02	0950	40.0	0.00	1515	10.3	0.00
0430	77.5	0.00	0955	36.7	0.00	1520	10.3	0.00
0435	85.0	0.01	1000	33.3	0.00	1525	10.3	0.00
0440	92.5	0.00	1005	30.0	0.00	1530	10.3	0.00
0445	114.0	0.01	1010	28.2	0.00	1535	10.3	0.01
0450	121.0	0.00	1015	26.6	0.00	1540	10.0	0.00
0455	116.0	0.00	1020	25.8	0.01	1545	10.0	0.00
0500	119.0	0.00	1025	24.2	0.00	1550	10.0	0.00
0505	130.0	0.00	1030	23.5	0.00	1555	10.0	0.00
0510	144.0	0.00	1035	22.7	0.00	1600	10.0	0.00
0515	158.0	0.06	1040	21.2	0.00	1605	10.0	0.00
0520	181.0	0.02	1045	20.5	0.00	1610	10.0	0.00
0525	188.0	0.02	1050	19.8	0.00	1615	10.0	0.02
0530	198.0	0.02	1055	19.1	0.00	1620	13.9	0.15
0535	215.0	0.05	1100	18.4	0.00	1625	95.0	0.29
0540	233.0	0.01	1105	18.4	0.00	1630	331.0	0.14
0545	244.0	0.02	1110	17.4	0.00	1635	517.0	0.10
0550	254.0	0.04	1115	17.4	0.00	1640	600.0	0.03
0555	270.0	0.04	1120	16.9	0.00	1645	665.0	0.01
0600	294.0	0.04	1125	16.4	0.00	1650	718.0	0.01
0605	324.0	0.04	1130	15.9	0.00	1655	762.0	0.04
0610	349.0	0.03	1135	15.5	0.00	1700	784.0	0.04
0615	433.0	0.11	1140	15.5	0.00	1705	776.0	0.01
0620	527.0	0.26	1145	15.0	0.00	1710	764.0	0.01
0625	575.0	0.06	1150	14.6	0.00	1715	753.0	0.00
0630	617.0	0.03	1155	14.6	0.00	1720	753.0	0.00
0635	638.0	0.03	1200	14.2	0.00	1725	702.0	0.01
0640	640.0	0.01	1205	14.2	0.00	1730	665.0	0.00
0645	646.0	0.05	1210	13.9	0.00	1735	635.0	0.00
0650	669.0	0.05	1215	13.9	0.00	1740	594.0	0.00
0655	675.0	0.01	1220	13.5	0.00	1745	548.0	0.00
0700	669.0	0.01	1225	13.5	0.00	1750	512.0	0.00
0705	652.0	0.02	1230	13.1	0.00	1755	471.0	0.00
0710	631.0	0.01	1235	13.1	0.00	1800	445.0	0.00
0715	608.0	0.00	1240	13.1	0.00	1805	410.0	0.00
0720	590.0	0.00	1245	13.1	0.00	1810	388.0	0.01
0725	567.0	0.00	1250	12.8	0.00	1815	365.0	0.00
0730	540.0	0.00	1255	12.4	0.00	1820	337.0	0.00
0735	504.0	0.00	1300	12.4	0.00	1825	314.0	0.00
0740	469.0	0.00	1305	12.4	0.00	1830	300.0	0.00
0745	441.0	0.00	1310	12.0	0.00	1835	278.0	0.00
0750	410.0	0.00	1315	12.0	0.00	1840	263.0	0.01
0755	378.0	0.00	1320	11.7	0.00	1845	248.0	0.01

Table 71.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, March 28-29, 1984--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1850	235.0	0.01	2320	17.9	0.00	0345	11.4	0.00
1855	224.0	0.01	2325	17.4	0.00	0350	11.4	0.00
1900	211.0	0.00	2330	17.4	0.00	0355	11.4	0.00
1905	200.0	0.00	2335	16.9	0.00	0400	11.4	0.00
1910	200.0	0.00	2340	16.9	0.00	0405	11.0	0.00
1915	193.0	0.01	2345	16.4	0.00	0410	11.0	0.00
1920	191.0	0.00	2350	16.4	0.00	0415	11.0	0.00
1925	181.0	0.00	2355	15.9	0.00	0420	11.0	0.00
1930	179.0	0.00	March 29, 1984			0425	11.0	0.00
1935	174.0	0.00	0000	15.9	0.00	0430	11.0	0.00
1940	165.0	0.00	0005	15.5	0.00	0435	11.0	0.00
1945	158.0	0.00	0010	15.5	0.00	0440	11.0	0.00
1950	151.0	0.00	0015	15.5	0.00	0445	11.0	0.00
1955	144.0	0.00	0020	15.0	0.00	0450	10.7	0.00
2000	135.0	0.00	0025	14.6	0.00	0455	10.7	0.00
2005	126.0	0.00	0030	14.6	0.00	0500	10.7	0.00
2010	119.0	0.00	0035	14.6	0.00	0505	10.7	0.00
2015	114.0	0.00	0040	14.2	0.00	0510	10.7	0.00
2020	105.0	0.00	0045	14.2	0.00	0515	10.7	0.00
2025	97.5	0.00	0050	14.2	0.00	0520	10.3	0.00
2030	92.5	0.00	0055	13.9	0.00	0525	10.3	0.00
2035	85.0	0.00	0100	13.9	0.00	0530	10.3	0.00
2040	80.0	0.00	0105	13.9	0.00	0535	10.3	0.00
2045	75.0	0.00	0110	13.9	0.00	0540	10.3	0.00
2050	67.5	0.00	0115	13.5	0.00	0545	10.0	0.00
2055	65.0	0.00	0120	13.5	0.00	0550	10.3	0.00
2100	60.0	0.00	0125	13.5	0.00	0555	10.0	0.00
2105	56.7	0.00	0130	13.1	0.00	0600	10.0	0.00
2110	50.0	0.01	0135	13.1	0.00	0605	10.0	0.00
2115	47.5	0.00	0140	13.1	0.00	0610	10.0	0.00
2120	42.5	0.00	0145	13.1	0.00	0615	10.0	0.00
2125	40.0	0.00	0150	12.8	0.00	0620	10.0	0.00
2130	36.7	0.00	0155	12.8	0.00	0625	10.0	0.00
2135	33.3	0.00	0200	12.8	0.00	0630	10.0	0.00
2140	31.7	0.00	0205	12.8	0.00	0635	9.7	0.00
2145	30.0	0.00	0210	12.8	0.00	0640	9.7	0.00
2150	28.2	0.00	0215	12.4	0.00	0645	9.7	0.00
2155	28.2	0.00	0220	12.4	0.00	0650	9.7	0.00
2200	27.4	0.00	0225	12.4	0.00	0655	9.7	0.00
2205	26.6	0.00	0230	12.0	0.00	0700	9.7	0.00
2210	25.0	0.00	0235	12.0	0.00	0705	9.7	0.00
2215	25.0	0.00	0240	12.0	0.00	0710	9.7	0.00
2220	23.5	0.00	0245	12.0	0.00	0715	9.7	0.00
2225	22.7	0.00	0250	12.0	0.00	0720	9.7	0.00
2230	22.7	0.00	0255	12.0	0.00	0725	9.3	0.00
2235	21.9	0.00	0300	11.7	0.00	0730	9.3	0.00
2240	21.2	0.00	0305	11.7	0.00	0735	9.3	0.00
2245	21.2	0.00	0310	11.7	0.00	0740	9.3	0.00
2250	20.5	0.00	0315	11.7	0.00	0745	9.3	0.00
2255	19.8	0.00	0320	11.7	0.00	0750	9.3	0.00
2300	19.1	0.00	0325	11.7	0.00	0755	9.3	0.00
2305	19.1	0.00	0330	11.4	0.00	0800	9.3	0.00
2310	18.4	0.00	0335	11.4	0.00			
2315	18.4	0.00	0340	11.4	0.00			

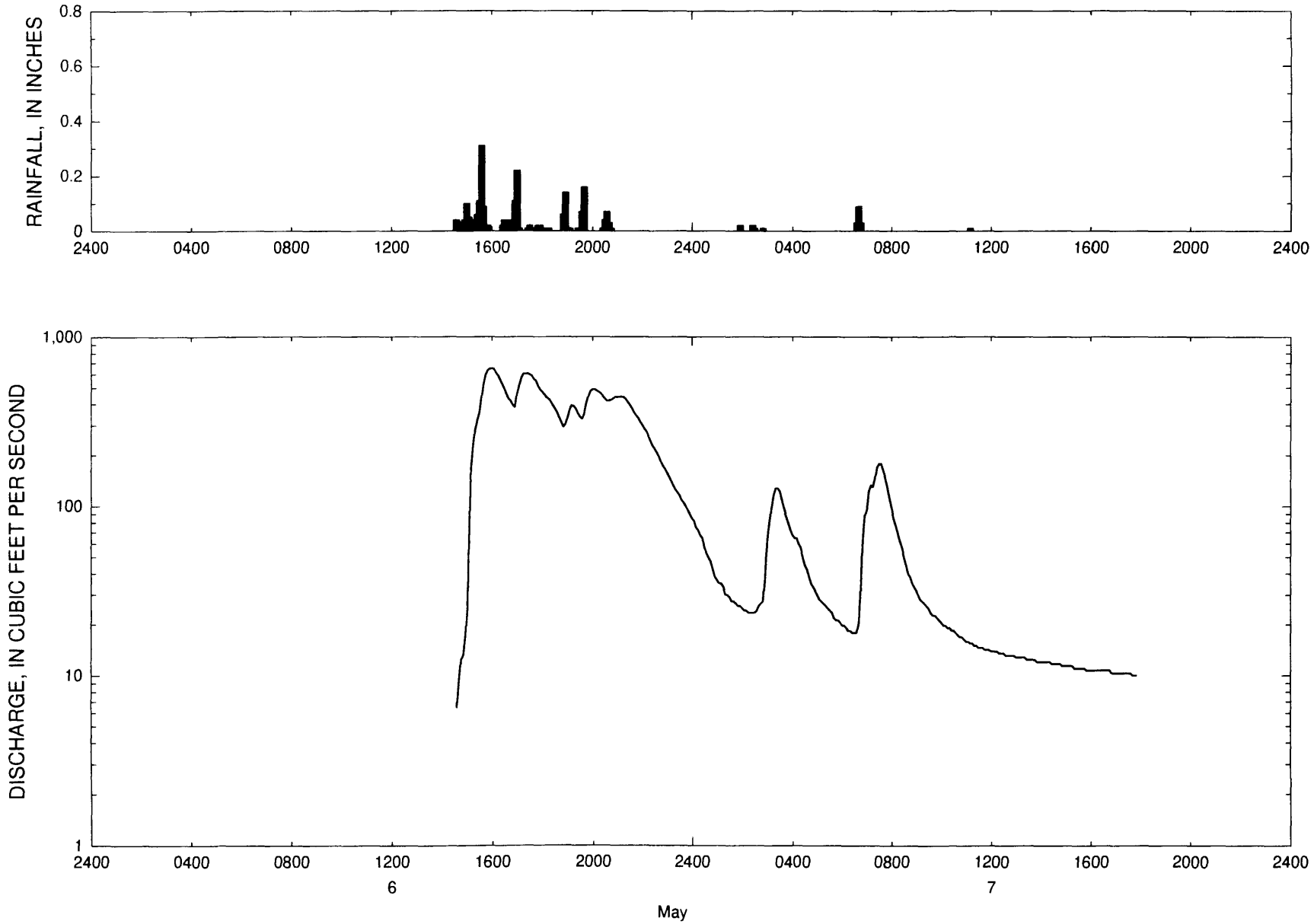


Figure 73.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, May 6-7, 1984.

Table 72.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, May 6-7, 1984

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
May 6, 1984			1955	480.0	0.00	0115	33.3	0.00
1435	6.4	0.04	2000	490.0	0.00	0120	30.0	0.00
1440	9.3	0.03	2005	490.0	0.00	0125	30.0	0.00
1445	12.4	0.01	2010	482.0	0.00	0130	29.1	0.00
1450	13.1	0.00	2015	474.0	0.00	0135	27.4	0.00
1455	16.9	0.04	2020	463.0	0.00	0140	27.4	0.00
1500	24.2	0.10	2025	447.0	0.01	0145	26.6	0.00
1505	72.5	0.05	2030	433.0	0.04	0150	25.8	0.00
1510	170.0	0.03	2035	420.0	0.07	0155	25.8	0.02
1515	226.0	0.04	2040	420.0	0.03	0200	25.0	0.00
1520	283.0	0.01	2045	426.0	0.01	0205	24.2	0.00
1525	324.0	0.06	2050	433.0	0.00	0210	24.2	0.00
1530	359.0	0.11	2055	443.0	0.00	0215	23.5	0.00
1535	439.0	0.31	2100	441.0	0.00	0220	23.5	0.00
1540	527.0	0.09	2105	443.0	0.00	0225	23.5	0.02
1545	594.0	0.02	2110	443.0	0.00	0230	23.5	0.01
1550	633.0	0.02	2115	441.0	0.00	0235	24.2	0.00
1555	648.0	0.00	2120	431.0	0.00	0240	25.8	0.00
1600	650.0	0.00	2125	414.0	0.00	0245	26.6	0.00
1605	648.0	0.00	2130	398.0	0.00	0250	27.4	0.01
1610	615.0	0.00	2135	380.0	0.00	0255	36.7	0.00
1615	590.0	0.00	2140	359.0	0.00	0300	62.5	0.00
1620	554.0	0.00	2145	345.0	0.00	0305	80.0	0.00
1625	521.0	0.02	2150	333.0	0.00	0310	97.5	0.00
1630	490.0	0.04	2155	316.0	0.00	0315	116.0	0.00
1635	455.0	0.02	2200	302.0	0.00	0320	128.0	0.00
1640	433.0	0.04	2205	287.0	0.00	0325	128.0	0.00
1645	418.0	0.01	2210	276.0	0.00	0330	123.0	0.00
1650	396.0	0.00	2215	261.0	0.00	0335	109.0	0.00
1655	384.0	0.11	2220	246.0	0.00	0340	97.5	0.00
1700	463.0	0.22	2225	230.0	0.00	0345	87.5	0.00
1705	517.0	0.01	2230	220.0	0.00	0350	80.0	0.00
1710	573.0	0.00	2235	209.0	0.00	0355	72.5	0.00
1715	606.0	0.00	2240	198.0	0.00	0400	67.5	0.00
1720	604.0	0.00	2245	184.0	0.00	0405	65.0	0.00
1725	608.0	0.01	2250	174.0	0.00	0410	65.0	0.00
1730	600.0	0.02	2255	167.0	0.00	0415	60.0	0.00
1735	590.0	0.00	2300	158.0	0.00	0420	56.7	0.00
1740	565.0	0.00	2305	151.0	0.00	0425	50.0	0.00
1745	552.0	0.01	2310	142.0	0.00	0430	45.0	0.00
1750	515.0	0.02	2315	133.0	0.00	0435	42.5	0.00
1755	490.0	0.02	2320	126.0	0.00	0440	38.3	0.00
1800	474.0	0.01	2325	121.0	0.00	0445	35.0	0.00
1805	457.0	0.00	2330	116.0	0.00	0450	33.3	0.00
1810	441.0	0.00	2335	109.0	0.00	0455	31.7	0.00
1815	433.0	0.01	2340	105.0	0.00	0500	30.0	0.00
1820	418.0	0.00	2345	100.0	0.00	0505	28.2	0.00
1825	398.0	0.00	2350	95.0	0.00	0510	27.4	0.00
1830	378.0	0.00	2355	90.0	0.00	0515	26.6	0.00
1835	359.0	0.00	May 7, 1984			0520	25.8	0.00
1840	335.0	0.00	0000	85.0	0.00	0525	25.0	0.00
1845	314.0	0.00	0005	82.5	0.00	0530	24.2	0.00
1850	294.0	0.06	0010	75.0	0.00	0535	23.5	0.00
1855	306.0	0.14	0015	72.5	0.00	0540	21.9	0.00
1900	333.0	0.01	0020	67.5	0.00	0545	21.2	0.00
1905	369.0	0.01	0025	65.0	0.00	0550	21.2	0.00
1910	394.0	0.00	0030	56.7	0.00	0555	20.5	0.00
1915	392.0	0.00	0035	53.3	0.00	0600	19.8	0.00
1920	378.0	0.00	0040	50.0	0.00	0605	19.8	0.00
1925	355.0	0.01	0045	47.5	0.00	0610	19.1	0.00
1930	337.0	0.01	0050	42.5	0.00	0615	18.4	0.00
1935	329.0	0.07	0055	38.3	0.00	0620	18.4	0.00
1940	351.0	0.16	0100	36.7	0.00	0625	17.9	0.00
1945	404.0	0.00	0105	35.0	0.00	0630	17.9	0.00
1950	447.0	0.00	0110	35.0	0.00	0635	17.9	0.03

Table 72.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, May 6-7, 1984--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0640	20.5	0.09	1030	18.4	0.00	1420	12.0	0.00
0645	31.7	0.03	1035	17.9	0.00	1425	11.7	0.00
0650	62.5	0.00	1040	17.4	0.00	1430	11.7	0.00
0655	87.5	0.00	1045	16.9	0.00	1435	11.7	0.00
0700	95.0	0.00	1050	16.9	0.00	1440	11.7	0.00
0705	123.0	0.00	1055	16.4	0.00	1445	11.7	0.00
0710	133.0	0.00	1100	15.9	0.00	1450	11.4	0.00
0715	130.0	0.00	1105	15.9	0.00	1455	11.4	0.00
0720	146.0	0.00	1110	15.5	0.01	1500	11.4	0.00
0725	170.0	0.00	1115	15.5	0.00	1505	11.4	0.00
0730	179.0	0.00	1120	15.0	0.00	1510	11.4	0.00
0735	179.0	0.00	1125	15.0	0.00	1515	11.4	0.00
0740	163.0	0.00	1130	14.6	0.00	1520	11.0	0.00
0745	149.0	0.00	1135	14.6	0.00	1525	11.0	0.00
0750	130.0	0.00	1140	14.6	0.00	1530	11.0	0.00
0755	112.0	0.00	1145	14.2	0.00	1535	11.0	0.00
0800	97.5	0.00	1150	14.2	0.00	1540	11.0	0.00
0805	85.0	0.00	1155	14.2	0.00	1545	11.0	0.00
0810	77.5	0.00	1200	13.9	0.00	1550	10.7	0.00
0815	70.0	0.00	1205	13.9	0.00	1555	10.7	0.00
0820	62.5	0.00	1210	13.9	0.00	1600	10.7	0.00
0825	56.7	0.00	1215	13.9	0.00	1605	10.7	0.00
0830	50.0	0.00	1220	13.5	0.00	1610	10.7	0.00
0835	45.0	0.00	1225	13.5	0.00	1615	10.7	0.00
0840	40.0	0.00	1230	13.5	0.00	1620	10.7	0.00
0845	38.3	0.00	1235	13.1	0.00	1625	10.7	0.00
0850	35.0	0.00	1240	13.1	0.00	1630	10.7	0.00
0855	33.3	0.00	1245	13.1	0.00	1635	10.7	0.00
0900	31.7	0.00	1250	13.1	0.00	1640	10.7	0.00
0905	30.0	0.00	1255	13.1	0.00	1645	10.7	0.00
0910	28.2	0.00	1300	12.8	0.00	1650	10.3	0.00
0915	27.4	0.00	1305	12.8	0.00	1655	10.3	0.00
0920	26.6	0.00	1310	12.8	0.00	1700	10.3	0.00
0925	25.8	0.00	1315	12.8	0.00	1705	10.3	0.00
0930	25.0	0.00	1320	12.8	0.00	1710	10.3	0.00
0935	23.5	0.00	1325	12.4	0.00	1715	10.3	0.00
0940	22.7	0.00	1330	12.4	0.00	1720	10.3	0.00
0945	22.7	0.00	1335	12.4	0.00	1725	10.3	0.00
0950	21.9	0.00	1340	12.4	0.00	1730	10.3	0.00
0955	21.2	0.00	1345	12.4	0.00	1735	10.3	0.00
1000	20.5	0.00	1350	12.0	0.00	1740	10.0	0.00
1005	19.8	0.00	1355	12.0	0.00	1745	10.0	0.00
1010	19.8	0.00	1400	12.0	0.00	1750	10.0	0.00
1015	19.1	0.00	1405	12.0	0.00	1755	10.0	0.00
1020	19.1	0.00	1410	12.0	0.00	1800	10.0	0.00
1025	18.4	0.00	1415	12.0	0.00			

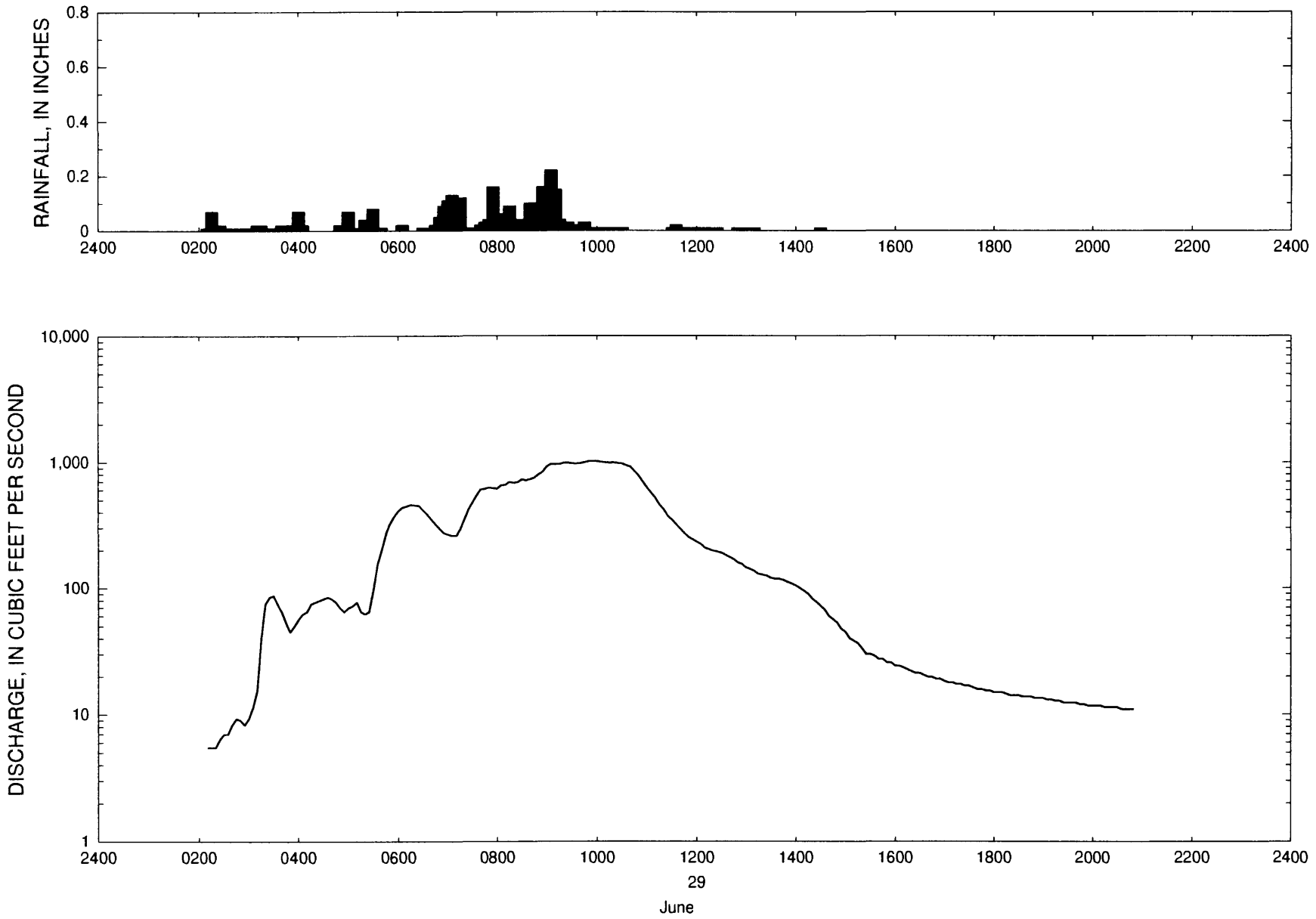


Figure 74.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, June 29, 1984.

Table 73.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, June 29, 1984

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 29, 1984			0730	480.0	0.00	1255	156.0	0.01
0210	5.5	0.01	0735	544.0	0.01	1300	146.0	0.00
0215	5.5	0.07	0740	608.0	0.02	1305	142.0	0.00
0220	5.5	0.02	0745	615.0	0.03	1310	137.0	0.01
0225	6.4	0.02	0750	629.0	0.04	1315	130.0	0.00
0230	7.0	0.00	0755	621.0	0.16	1320	128.0	0.00
0235	7.0	0.01	0800	617.0	0.06	1325	126.0	0.00
0240	8.3	0.01	0805	656.0	0.04	1330	121.0	0.00
0245	9.3	0.00	0810	660.0	0.01	1335	119.0	0.00
0250	9.0	0.00	0815	696.0	0.09	1340	119.0	0.00
0255	8.3	0.01	0820	685.0	0.04	1345	116.0	0.00
0300	9.3	0.01	0825	694.0	0.03	1350	112.0	0.00
0305	11.4	0.01	0830	727.0	0.01	1355	109.0	0.00
0310	15.5	0.02	0835	716.0	0.04	1400	105.0	0.00
0315	40.0	0.02	0840	731.0	0.10	1405	100.0	0.00
0320	75.0	0.00	0845	751.0	0.00	1410	95.0	0.00
0325	85.0	0.00	0850	798.0	0.04	1415	90.0	0.00
0330	87.5	0.01	0855	839.0	0.16	1420	82.5	0.00
0335	75.0	0.00	0900	924.0	0.13	1425	77.5	0.00
0340	65.0	0.02	0905	972.0	0.22	1430	72.5	0.01
0345	53.3	0.00	0910	967.0	0.15	1435	67.5	0.00
0350	45.0	0.02	0915	967.0	0.04	1440	60.0	0.00
0355	50.0	0.02	0920	991.0	0.01	1445	56.7	0.00
0400	56.7	0.07	0925	993.0	0.03	1450	53.3	0.00
0405	62.5	0.02	0930	983.0	0.01	1455	47.5	0.00
0410	65.0	0.00	0935	976.0	0.02	1500	45.0	0.00
0415	75.0	0.00	0940	985.0	0.00	1505	40.0	0.00
0420	77.5	0.00	0945	1000.0	0.03	1510	38.3	0.00
0425	80.0	0.00	0950	1020.0	0.01	1515	36.7	0.00
0430	82.5	0.00	0955	1020.0	0.01	1520	33.3	0.00
0435	85.0	0.00	1000	1020.0	0.00	1525	30.0	0.00
0440	82.5	0.00	1005	1010.0	0.01	1530	30.0	0.00
0445	77.5	0.00	1010	998.0	0.01	1535	29.1	0.00
0450	70.0	0.02	1015	991.0	0.01	1540	27.4	0.00
0455	65.0	0.02	1020	996.0	0.00	1545	27.4	0.00
0500	70.0	0.07	1025	985.0	0.00	1550	25.8	0.00
0505	72.5	0.01	1030	976.0	0.01	1555	25.8	0.00
0510	77.5	0.00	1035	946.0	0.00	1600	24.2	0.00
0515	65.0	0.01	1040	922.0	0.00	1605	24.2	0.00
0520	62.5	0.04	1045	851.0	0.00	1610	23.5	0.00
0525	65.0	0.01	1050	778.0	0.00	1615	22.7	0.00
0530	97.5	0.08	1055	698.0	0.00	1620	21.9	0.00
0535	154.0	0.01	1100	629.0	0.00	1625	21.2	0.00
0540	200.0	0.01	1105	571.0	0.00	1630	21.2	0.00
0545	263.0	0.00	1110	519.0	0.00	1635	20.5	0.00
0550	320.0	0.00	1115	461.0	0.00	1640	19.8	0.00
0555	369.0	0.00	1120	422.0	0.00	1645	19.8	0.00
0600	406.0	0.00	1125	374.0	0.00	1650	19.1	0.00
0605	437.0	0.02	1130	349.0	0.01	1655	19.1	0.00
0610	447.0	0.00	1135	322.0	0.02	1700	18.4	0.00
0615	459.0	0.00	1140	298.0	0.01	1705	17.9	0.00
0620	455.0	0.00	1145	274.0	0.01	1710	17.9	0.00
0625	451.0	0.00	1150	254.0	0.00	1715	17.4	0.00
0630	416.0	0.01	1155	244.0	0.00	1720	17.4	0.00
0635	386.0	0.00	1200	233.0	0.01	1725	16.9	0.00
0640	353.0	0 00	1205	224.0	0.00	1730	16.9	0.00
0645	324.0	0.02	1210	209.0	0.00	1735	16.4	0.00
0650	296.0	0.05	1215	204.0	0.01	1740	15.9	0.00
0655	274.0	0.09	1220	198.0	0.00	1745	15.9	0.00
0700	267.0	0.11	1225	195.0	0.01	1750	15.5	0.00
0705	261.0	0.13	1230	191.0	0.00	1755	15.5	0.00
0710	261.0	0.12	1235	184.0	0.00	1800	15.0	0.00
0715	294.0	0.12	1240	177.0	0.00	1805	15.0	0.00
0720	353.0	0.01	1245	170.0	0.00	1810	15.0	0.00
0725	422.0	0.00	1250	160.0	0.01	1815	14.6	0.00

Table 73.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, June 29, 1984--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1820	14.2	0.00	1915	12.8	0.00	2010	11.7	0.00
1825	14.2	0.00	1920	12.8	0.00	2015	11.4	0.00
1830	14.2	0.00	1925	12.4	0.00	2020	11.4	0.00
1835	13.9	0.00	1930	12.4	0.00	2025	11.4	0.00
1840	13.9	0.00	1935	12.4	0.00	2030	11.4	0.00
1845	13.9	0.00	1940	12.4	0.00	2035	11.0	0.00
1850	13.5	0.00	1945	12.0	0.00	2040	11.0	0.00
1855	13.5	0.00	1950	12.0	0.00	2045	11.0	0.00
1900	13.5	0.00	1955	11.7	0.00	2050	11.0	0.00
1905	13.1	0.00	2000	11.7	0.00	2055	10.7	0.00
1910	13.1	0.00	2005	11.7	0.00	2100	10.7	0.00

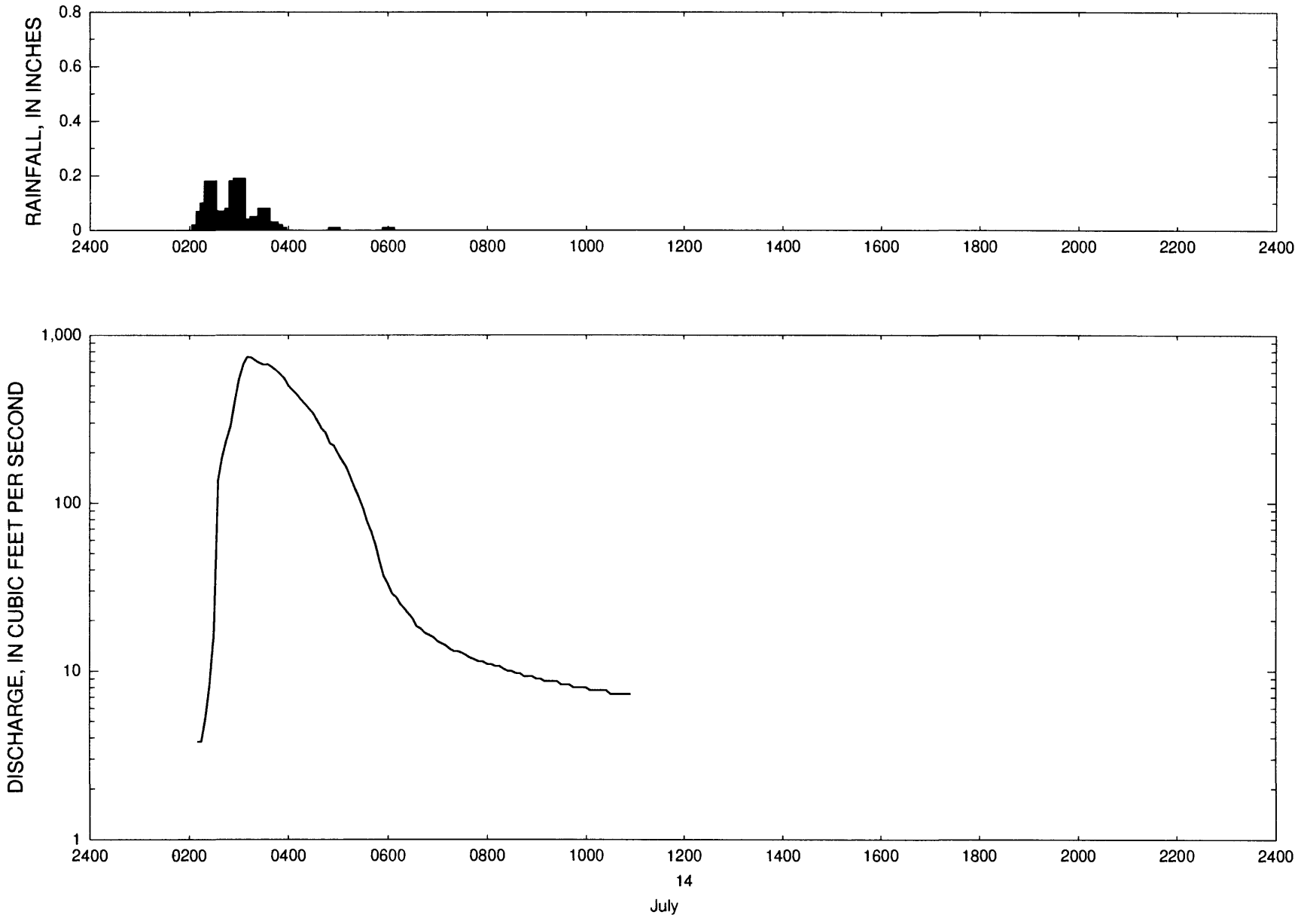


Figure 75.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, July 14, 1984.

Table 74.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, July 14, 1984

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 14, 1984			0505	179.0	0.00	0805	11.0	0.00
0210	3.8	0.02	0510	163.0	0.00	0810	10.7	0.00
0215	3.8	0.07	0515	142.0	0.00	0815	10.7	0.00
0220	5.2	0.10	0520	123.0	0.00	0820	10.3	0.00
0225	8.3	0.18	0525	107.0	0.00	0825	10.0	0.00
0230	16.4	0.07	0530	92.5	0.00	0830	10.0	0.00
0235	137.0	0.04	0535	77.5	0.00	0835	9.7	0.00
0240	188.0	0.07	0540	67.5	0.00	0840	9.7	0.00
0245	237.0	0.05	0545	56.7	0.00	0845	9.3	0.00
0250	287.0	0.08	0550	45.0	0.00	0850	9.3	0.00
0255	404.0	0.18	0555	36.7	0.00	0855	9.3	0.00
0300	548.0	0.19	0600	33.3	0.01	0900	9.0	0.00
0305	667.0	0.03	0605	29.1	0.00	0905	9.0	0.00
0310	744.0	0.04	0610	27.4	0.00	0910	8.7	0.00
0315	738.0	0.01	0615	25.0	0.00	0915	8.7	0.00
0320	709.0	0.05	0620	23.5	0.00	0920	8.7	0.00
0325	685.0	0.04	0625	21.9	0.00	0925	8.7	0.00
0330	669.0	0.08	0630	20.5	0.00	0930	8.3	0.00
0335	673.0	0.03	0635	18.4	0.00	0935	8.3	0.00
0340	648.0	0.03	0640	17.9	0.00	0940	8.3	0.00
0345	619.0	0.02	0645	16.9	0.00	0945	8.0	0.00
0350	585.0	0.01	0650	16.4	0.00	0950	8.0	0.00
0355	552.0	0.00	0655	15.9	0.00	0955	8.0	0.00
0400	502.0	0.00	0700	15.0	0.00	1000	8.0	0.00
0405	471.0	0.00	0705	14.6	0.00	1005	7.7	0.00
0410	447.0	0.00	0710	14.2	0.00	1010	7.7	0.00
0415	416.0	0.00	0715	13.5	0.00	1015	7.7	0.00
0420	392.0	0.00	0720	13.1	0.00	1020	7.7	0.00
0425	367.0	0.00	0725	13.1	0.00	1025	7.7	0.00
0430	345.0	0.00	0730	12.8	0.00	1030	7.3	0.00
0435	312.0	0.00	0735	12.4	0.00	1035	7.3	0.00
0440	280.0	0.00	0740	12.0	0.00	1040	7.3	0.00
0445	263.0	0.00	0745	11.7	0.00	1045	7.3	0.00
0450	228.0	0.00	0750	11.4	0.00	1050	7.3	0.00
0455	220.0	0.01	0755	11.4	0.00	1055	7.3	0.00
0500	198.0	0.00	0800	11.0	0.00	1100	7.3	0.00

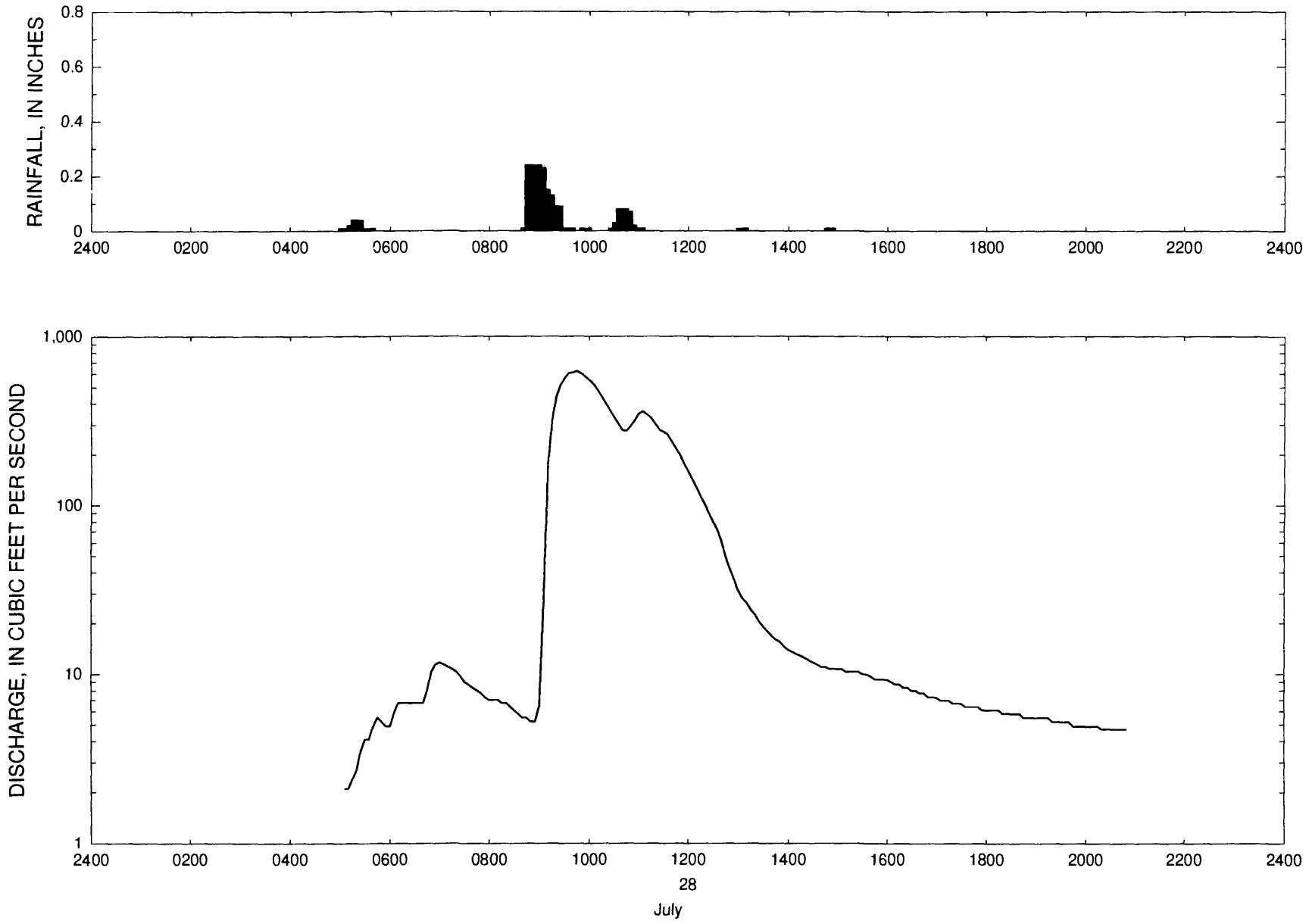


Figure 76.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, July 28, 1985.

Table 75.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, July 28, 1985

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 28, 1985			1025	367.0	0.00	1550	9.3	0.00
0505	2.1	0.01	1030	335.0	0.01	1555	9.3	0.00
0510	2.1	0.01	1035	306.0	0.03	1600	9.3	0.00
0515	2.4	0.02	1040	278.0	0.08	1605	9.0	0.00
0520	2.7	0.04	1045	276.0	0.07	1610	8.7	0.00
0525	3.5	0.01	1050	294.0	0.02	1615	8.7	0.00
0530	4.1	0.00	1055	318.0	0.00	1620	8.3	0.00
0535	4.1	0.01	1100	349.0	0.01	1625	8.3	0.00
0540	4.9	0.00	1105	361.0	0.00	1630	8.0	0.00
0545	5.5	0.00	1110	345.0	0.00	1635	8.0	0.00
0550	5.2	0.00	1115	329.0	0.00	1640	7.7	0.00
0555	4.9	0.00	1120	302.0	0.00	1645	7.7	0.00
0600	4.9	0.00	1125	280.0	0.00	1650	7.3	0.00
0605	5.8	0.00	1130	272.0	0.00	1655	7.3	0.00
0610	6.7	0.00	1135	263.0	0.00	1700	7.3	0.00
0615	6.7	0.00	1140	239.0	0.00	1705	7.0	0.00
0620	6.7	0.00	1145	217.0	0.00	1710	7.0	0.00
0625	6.7	0.00	1150	198.0	0.00	1715	7.0	0.00
0630	6.7	0.00	1155	177.0	0.00	1720	6.7	0.00
0635	6.7	0.00	1200	160.0	0.00	1725	6.7	0.00
0640	6.7	0.00	1205	142.0	0.00	1730	6.7	0.00
0645	8.0	0.00	1210	128.0	0.00	1735	6.4	0.00
0650	10.3	0.00	1215	114.0	0.00	1740	6.4	0.00
0655	11.4	0.00	1220	102.0	0.00	1745	6.4	0.00
0700	11.7	0.00	1225	90.0	0.00	1750	6.4	0.00
0705	11.4	0.00	1230	80.0	0.00	1755	6.1	0.00
0710	11.0	0.00	1235	72.5	0.00	1800	6.1	0.00
0715	10.7	0.00	1240	62.5	0.00	1805	6.1	0.00
0720	10.3	0.00	1245	50.0	0.00	1810	6.1	0.00
0725	9.7	0.00	1250	42.5	0.00	1815	6.1	0.00
0730	9.0	0.00	1255	36.7	0.00	1820	5.8	0.00
0735	8.7	0.00	1300	31.7	0.00	1825	5.8	0.00
0740	8.3	0.00	1305	28.2	0.01	1830	5.8	0.00
0745	8.0	0.00	1310	26.6	0.00	1835	5.8	0.00
0750	7.7	0.00	1315	24.2	0.00	1840	5.8	0.00
0755	7.3	0.00	1320	22.7	0.00	1845	5.5	0.00
0800	7.0	0.00	1325	20.5	0.00	1850	5.5	0.00
0805	7.0	0.00	1330	19.1	0.00	1855	5.5	0.00
0810	7.0	0.00	1335	17.9	0.00	1900	5.5	0.00
0815	6.7	0.00	1340	16.9	0.00	1905	5.5	0.00
0820	6.7	0.00	1345	16.0	0.00	1910	5.5	0.00
0825	6.4	0.00	1350	15.5	0.00	1915	5.5	0.00
0830	6.1	0.00	1355	14.6	0.00	1920	5.2	0.00
0835	5.8	0.00	1400	13.9	0.00	1925	5.2	0.00
0840	5.5	0.00	1405	13.5	0.00	1930	5.2	0.00
0845	5.5	0.01	1410	13.1	0.00	1935	5.2	0.00
0850	5.2	0.24	1415	12.8	0.00	1940	5.2	0.00
0855	5.2	0.24	1420	12.4	0.00	1945	4.9	0.00
0900	6.4	0.23	1425	12.0	0.00	1950	4.9	0.00
0905	27.4	0.15	1430	11.7	0.00	1955	4.9	0.00
0910	174.0	0.13	1435	11.4	0.00	2000	4.9	0.00
0915	316.0	0.07	1440	11.0	0.00	2005	4.9	0.00
0920	437.0	0.09	1445	11.0	0.00	2010	4.9	0.00
0925	515.0	0.01	1450	10.7	0.01	2015	4.9	0.00
0930	567.0	0.00	1455	10.7	0.00	2020	4.7	0.00
0935	606.0	0.01	1500	10.7	0.00	2025	4.7	0.00
0940	610.0	0.00	1505	10.7	0.00	2030	4.7	0.00
0945	623.0	0.00	1510	10.3	0.00	2035	4.7	0.00
0950	602.0	0.00	1515	10.3	0.00	2040	4.7	0.00
0955	577.0	0.01	1520	10.3	0.00	2045	4.7	0.00
1000	550.0	0.00	1525	10.3	0.00	2050	4.7	0.00
1005	523.0	0.00	1530	10.0	0.00	2055	4.7	0.00
1010	482.0	0.00	1535	10.0	0.00	2100	4.7	0.00
1015	441.0	0.00	1540	9.7	0.00			
1020	400.0	0.00	1545	9.3	0.00			

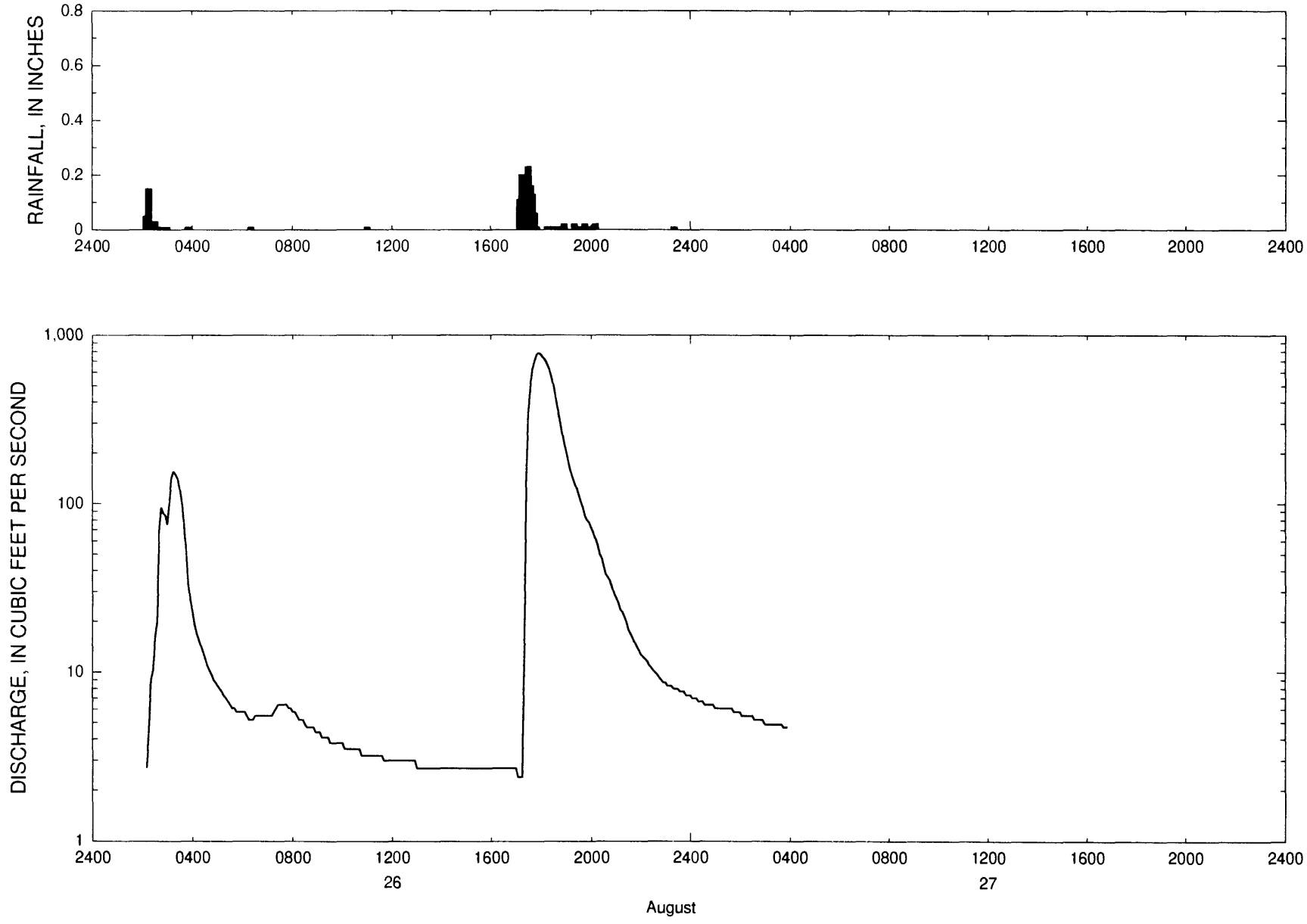


Figure 77.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, August 26-27, 1989.

Table 76.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, August 26-27, 1989

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
August 26, 1989			0730	6.4	0.00	1255	3.0	0.00
0210	2.7	0.05	0735	6.4	0.00	1300	2.7	0.00
0215	4.4	0.15	0740	6.4	0.00	1305	2.7	0.00
0220	9.0	0.02	0745	6.4	0.00	1310	2.7	0.00
0225	10.3	0.02	0750	6.1	0.00	1315	2.7	0.00
0230	16.0	0.03	0755	6.1	0.00	1320	2.7	0.00
0235	19.8	0.01	0800	5.8	0.00	1325	2.7	0.00
0240	67.5	0.01	0805	5.8	0.00	1330	2.7	0.00
0245	95.0	0.01	0810	5.5	0.00	1335	2.7	0.00
0250	87.5	0.00	0815	5.2	0.00	1340	2.7	0.00
0255	85.0	0.00	0820	5.2	0.00	1345	2.7	0.00
0300	75.0	0.01	0825	5.2	0.00	1350	2.7	0.00
0305	102.0	0.00	0830	4.9	0.00	1355	2.7	0.00
0310	142.0	0.00	0835	4.7	0.00	1400	2.7	0.00
0315	156.0	0.00	0840	4.7	0.00	1405	2.7	0.00
0320	149.0	0.00	0845	4.7	0.00	1410	2.7	0.00
0325	140.0	0.00	0850	4.7	0.00	1415	2.7	0.00
0330	121.0	0.00	0855	4.4	0.00	1420	2.7	0.00
0335	100.0	0.00	0900	4.4	0.00	1425	2.7	0.00
0340	75.0	0.00	0905	4.4	0.00	1430	2.7	0.00
0345	50.0	0.00	0910	4.1	0.00	1435	2.7	0.00
0350	33.3	0.01	0915	4.1	0.00	1440	2.7	0.00
0355	26.6	0.00	0920	4.1	0.00	1445	2.7	0.00
0400	22.7	0.00	0925	4.1	0.00	1450	2.7	0.00
0405	19.1	0.00	0930	3.8	0.00	1455	2.7	0.00
0410	16.9	0.00	0935	3.8	0.00	1500	2.7	0.00
0415	15.5	0.00	0940	3.8	0.00	1505	2.7	0.00
0420	14.2	0.00	0945	3.8	0.00	1510	2.7	0.00
0425	13.1	0.00	0950	3.8	0.00	1515	2.7	0.00
0430	12.0	0.00	0955	3.8	0.00	1520	2.7	0.00
0435	11.0	0.00	1000	3.8	0.00	1525	2.7	0.00
0440	10.3	0.00	1005	3.5	0.00	1530	2.7	0.00
0445	9.7	0.00	1010	3.5	0.00	1535	2.7	0.00
0450	9.0	0.00	1015	3.5	0.00	1540	2.7	0.00
0455	8.7	0.00	1020	3.5	0.00	1545	2.7	0.00
0500	8.3	0.00	1025	3.5	0.00	1550	2.7	0.00
0505	8.0	0.00	1030	3.5	0.00	1555	2.7	0.00
0510	7.7	0.00	1035	3.5	0.00	1600	2.7	0.00
0515	7.3	0.00	1040	3.5	0.00	1605	2.7	0.00
0520	7.0	0.00	1045	3.2	0.00	1610	2.7	0.00
0525	6.7	0.00	1050	3.2	0.00	1615	2.7	0.00
0530	6.4	0.00	1055	3.2	0.00	1620	2.7	0.00
0535	6.1	0.00	1100	3.2	0.01	1625	2.7	0.00
0540	6.1	0.00	1105	3.2	0.00	1630	2.7	0.00
0545	5.8	0.00	1110	3.2	0.00	1635	2.7	0.00
0550	5.8	0.00	1115	3.2	0.00	1640	2.7	0.00
0555	5.8	0.00	1120	3.2	0.00	1645	2.7	0.00
0600	5.8	0.00	1125	3.2	0.00	1650	2.7	0.00
0605	5.8	0.00	1130	3.2	0.00	1655	2.7	0.00
0610	5.5	0.00	1135	3.2	0.00	1700	2.7	0.00
0615	5.2	0.00	1140	3.0	0.00	1705	2.4	0.00
0620	5.2	0.01	1145	3.0	0.00	1710	2.4	0.11
0625	5.2	0.00	1150	3.0	0.00	1715	2.4	0.20
0630	5.5	0.00	1155	3.0	0.00	1720	12.4	0.16
0635	5.5	0.00	1200	3.0	0.00	1725	137.0	0.19
0640	5.5	0.00	1205	3.0	0.00	1730	347.0	0.23
0645	5.5	0.00	1210	3.0	0.00	1735	508.0	0.16
0650	5.5	0.00	1215	3.0	0.00	1740	629.0	0.13
0655	5.5	0.00	1220	3.0	0.00	1745	702.0	0.06
0700	5.5	0.00	1225	3.0	0.00	1750	767.0	0.01
0705	5.5	0.00	1230	3.0	0.00	1755	787.0	0.00
0710	5.5	0.00	1235	3.0	0.00	1800	771.0	0.00
0715	5.8	0.00	1240	3.0	0.00	1805	740.0	0.00
0720	6.1	0.00	1245	3.0	0.00	1810	709.0	0.00
0725	6.4	0.00	1250	3.0	0.00	1815	667.0	0.01

Table 76.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, August 26-27, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1820	621.0	0.00	2140	16.0	0.00	0055	6.4	0.00
1825	562.0	0.01	2145	15.0	0.00	0100	6.1	0.00
1830	496.0	0.01	2150	14.2	0.00	0105	6.1	0.00
1835	426.0	0.00	2155	13.5	0.00	0110	6.1	0.00
1840	365.0	0.00	2200	12.8	0.00	0115	6.1	0.00
1845	310.0	0.01	2205	12.4	0.00	0120	6.1	0.00
1850	265.0	0.00	2210	12.0	0.00	0125	6.1	0.00
1855	228.0	0.02	2215	11.7	0.00	0130	6.1	0.00
1900	202.0	0.00	2220	11.0	0.00	0135	6.1	0.00
1905	177.0	0.00	2225	10.7	0.00	0140	6.1	0.00
1910	158.0	0.00	2230	10.3	0.00	0145	5.8	0.00
1915	144.0	0.00	2235	10.0	0.00	0150	5.8	0.00
1920	133.0	0.02	2240	9.7	0.00	0155	5.8	0.00
1925	123.0	0.01	2245	9.3	0.00	0200	5.8	0.00
1930	112.0	0.01	2250	9.0	0.00	0205	5.5	0.00
1935	102.0	0.00	2255	8.7	0.00	0210	5.5	0.00
1940	95.0	0.01	2300	8.7	0.00	0215	5.5	0.00
1945	85.0	0.02	2305	8.3	0.00	0220	5.5	0.00
1950	80.0	0.00	2310	8.3	0.00	0225	5.5	0.00
1955	77.5	0.01	2315	8.3	0.00	0230	5.5	0.00
2000	72.5	0.00	2320	8.0	0.01	0235	5.2	0.00
2005	67.5	0.00	2325	8.0	0.00	0240	5.2	0.00
2010	62.5	0.02	2330	8.0	0.00	0245	5.2	0.00
2015	56.7	0.00	2335	7.7	0.00	0250	5.2	0.00
2020	50.0	0.00	2340	7.7	0.00	0255	5.2	0.00
2025	47.5	0.00	2345	7.7	0.00	0300	4.9	0.00
2030	42.5	0.00	2350	7.3	0.00	0305	4.9	0.00
2035	38.3	0.00	2355	7.3	0.00	0310	4.9	0.00
2040	36.7	0.00	August 27, 1989			0315	4.9	0.00
2045	35.0	0.00	0000	7.3	0.00	0320	4.9	0.00
2050	31.7	0.00	0005	7.0	0.00	0325	4.9	0.00
2055	29.1	0.00	0010	7.0	0.00	0330	4.9	0.00
2100	27.4	0.00	0015	7.0	0.00	0335	4.9	0.00
2105	25.8	0.00	0020	6.7	0.00	0340	4.9	0.00
2110	23.5	0.00	0025	6.7	0.00	0345	4.7	0.00
2115	22.7	0.00	0030	6.7	0.00	0350	4.7	0.00
2120	21.2	0.00	0035	6.4	0.00	0355	4.7	0.00
2125	19.8	0.00	0040	6.4	0.00	0400	4.7	0.00
2130	17.9	0.00	0045	6.4	0.00			
2135	16.9	0.00	0050	6.4	0.00			

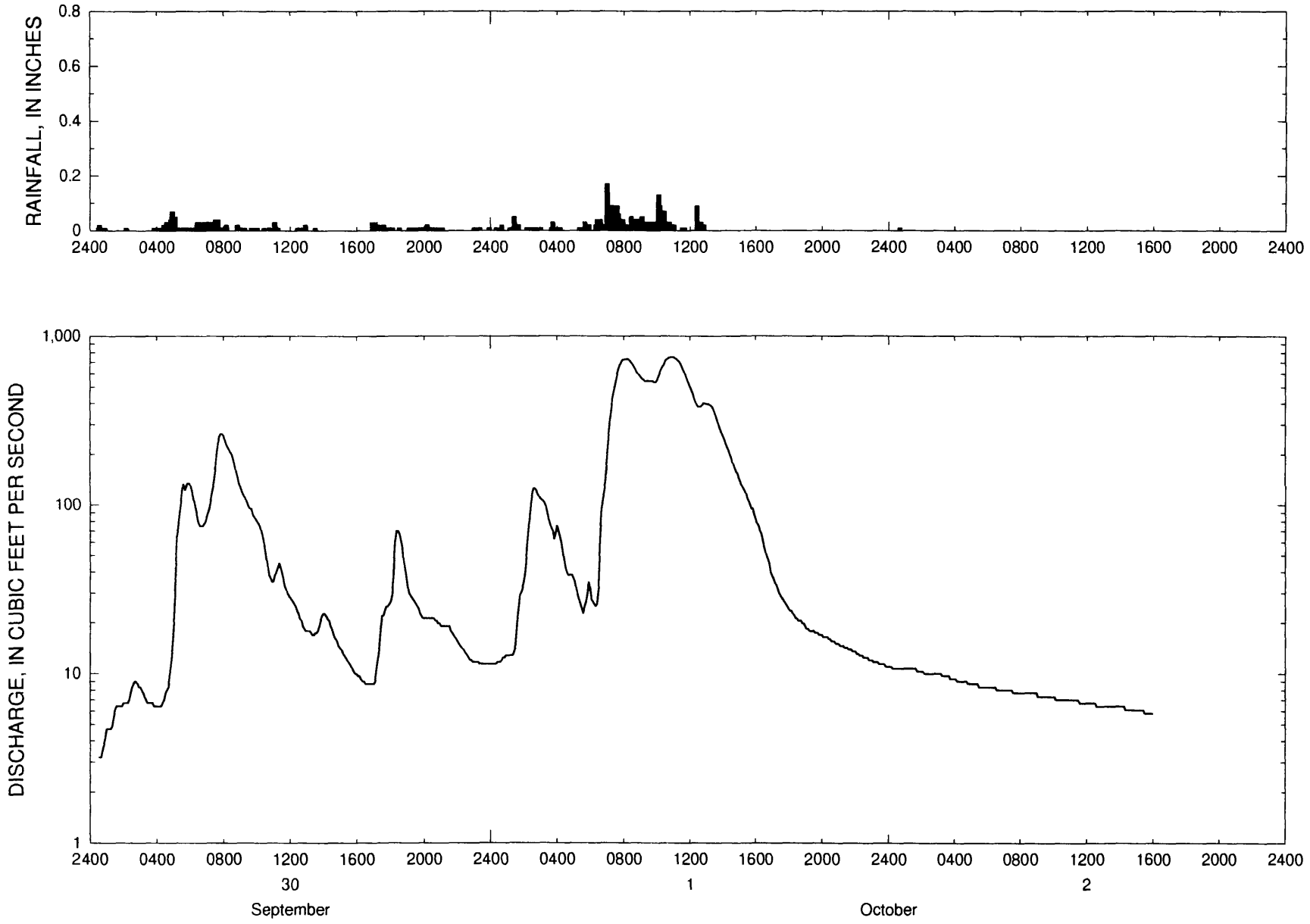


Figure 78.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, September 30-October 2, 1989.

Table 77.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, September 30 - October 2, 1989

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
September 30, 1989			0550	135.0	0.01	1115	42.5	0.01
0030	3.2	0.01	0555	135.0	0.00	1120	45.0	0.00
0035	3.2	0.02	0600	130.0	0.01	1125	42.5	0.00
0040	3.2	0.01	0605	121.0	0.01	1130	40.0	0.00
0045	3.5	0.01	0610	109.0	0.00	1135	36.7	0.00
0050	3.8	0.00	0615	100.0	0.01	1140	33.3	0.00
0055	4.1	0.01	0620	92.5	0.00	1145	31.7	0.00
0100	4.7	0.00	0625	82.5	0.03	1150	30.0	0.00
0105	4.7	0.00	0630	77.5	0.02	1155	29.1	0.00
0110	4.7	0.00	0635	75.0	0.01	1200	28.2	0.00
0115	4.7	0.00	0640	75.0	0.03	1205	27.4	0.00
0120	4.9	0.00	0645	75.0	0.01	1210	26.6	0.00
0125	5.5	0.00	0650	77.5	0.03	1215	25.8	0.00
0130	6.1	0.00	0655	80.0	0.01	1220	25.0	0.00
0135	6.4	0.00	0700	87.5	0.03	1225	23.5	0.01
0140	6.4	0.00	0705	92.5	0.02	1230	22.7	0.00
0145	6.4	0.00	0710	102.0	0.01	1235	21.2	0.00
0150	6.4	0.00	0715	114.0	0.00	1240	20.5	0.00
0155	6.4	0.00	0720	126.0	0.03	1245	19.1	0.01
0200	6.7	0.00	0725	140.0	0.02	1250	18.4	0.00
0205	6.7	0.00	0730	165.0	0.04	1255	17.9	0.02
0210	6.7	0.01	0735	204.0	0.04	1300	17.9	0.00
0215	6.7	0.00	0740	235.0	0.04	1305	17.9	0.00
0220	7.0	0.00	0745	256.0	0.00	1310	17.9	0.00
0225	7.7	0.00	0750	265.0	0.01	1315	17.4	0.00
0230	8.3	0.00	0755	265.0	0.00	1320	16.9	0.00
0235	8.7	0.00	0800	259.0	0.00	1325	16.9	0.00
0240	9.0	0.00	0805	241.0	0.00	1330	17.4	0.01
0245	9.0	0.00	0810	228.0	0.02	1335	17.4	0.00
0250	8.7	0.00	0815	220.0	0.00	1340	17.9	0.00
0255	8.3	0.00	0820	213.0	0.00	1345	19.1	0.00
0300	8.3	0.00	0825	206.0	0.00	1350	20.5	0.00
0305	8.0	0.00	0830	200.0	0.00	1355	22.0	0.00
0310	7.7	0.00	0835	188.0	0.00	1400	22.7	0.00
0315	7.3	0.00	0840	174.0	0.00	1405	22.7	0.00
0320	7.0	0.00	0845	160.0	0.00	1410	22.0	0.00
0325	6.7	0.00	0850	149.0	0.02	1415	21.2	0.00
0330	6.7	0.00	0855	137.0	0.01	1420	20.5	0.00
0335	6.7	0.00	0900	128.0	0.01	1425	19.1	0.00
0340	6.7	0.00	0905	121.0	0.00	1430	18.4	0.00
0345	6.7	0.00	0910	116.0	0.00	1435	17.4	0.00
0350	6.4	0.01	0915	112.0	0.01	1440	16.4	0.00
0355	6.4	0.00	0920	107.0	0.00	1445	16.0	0.00
0400	6.4	0.01	0925	102.0	0.00	1450	15.5	0.00
0405	6.4	0.00	0930	97.5	0.00	1455	14.6	0.00
0410	6.4	0.00	0935	95.0	0.00	1500	14.2	0.00
0415	6.4	0.01	0940	95.0	0.01	1505	13.9	0.00
0420	6.7	0.01	0945	87.5	0.00	1510	13.1	0.00
0425	7.0	0.02	0950	85.0	0.00	1515	12.8	0.00
0430	7.7	0.00	0955	82.5	0.01	1520	12.4	0.00
0435	8.0	0.03	1000	80.0	0.01	1525	12.0	0.00
0440	8.3	0.00	1005	77.5	0.00	1530	11.7	0.00
0445	9.7	0.01	1010	75.0	0.00	1535	11.4	0.00
0450	11.4	0.04	1015	70.0	0.00	1540	11.0	0.00
0455	13.9	0.07	1020	65.0	0.00	1545	10.7	0.00
0500	19.4	0.03	1025	60.0	0.01	1550	10.3	0.00
0505	31.7	0.05	1030	53.3	0.00	1555	10.0	0.00
0510	65.0	0.01	1035	47.5	0.00	1600	10.0	0.00
0515	72.5	0.01	1040	42.5	0.00	1605	9.7	0.00
0520	90.0	0.00	1045	38.3	0.01	1610	9.7	0.00
0525	105.0	0.00	1050	36.7	0.00	1615	9.3	0.00
0530	126.0	0.00	1055	35.0	0.00	1620	9.0	0.00
0535	133.0	0.01	1100	35.0	0.00	1625	9.0	0.00
0540	123.0	0.00	1105	38.3	0.03	1630	8.7	0.00
0545	130.0	0.00	1110	40.0	0.00	1635	8.7	0.00

Table 77.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, September 30 - October 2, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1640	8.7	0.00	2205	15.0	0.00	0325	90.0	0.00
1645	8.7	0.00	2210	14.6	0.00	0330	82.5	0.00
1650	8.7	0.00	2215	14.2	0.00	0335	77.5	0.00
1655	8.7	0.03	2220	13.9	0.00	0340	72.5	0.01
1700	8.7	0.00	2225	13.5	0.00	0345	70.0	0.03
1705	9.0	0.03	2230	13.1	0.00	0350	62.5	0.01
1710	10.7	0.02	2235	12.8	0.00	0355	67.5	0.00
1715	12.4	0.02	2240	12.4	0.00	0400	75.0	0.00
1720	14.2	0.01	2245	12.0	0.00	0405	70.0	0.00
1725	19.1	0.00	2250	12.0	0.00	0410	65.0	0.01
1730	22.0	0.01	2255	11.7	0.00	0415	60.0	0.00
1735	22.0	0.02	2300	11.7	0.01	0420	53.3	0.00
1740	23.5	0.00	2305	11.7	0.00	0425	47.5	0.00
1745	25.0	0.00	2310	11.7	0.01	0430	42.5	0.00
1750	25.0	0.01	2315	11.7	0.00	0435	40.0	0.00
1755	25.8	0.00	2320	11.4	0.01	0440	38.3	0.00
1800	26.6	0.00	2325	11.4	0.00	0445	38.3	0.00
1805	29.1	0.01	2330	11.4	0.00	0450	38.3	0.00
1810	38.3	0.00	2335	11.4	0.00	0455	38.3	0.00
1815	60.0	0.00	2340	11.4	0.00	0500	36.7	0.00
1820	70.0	0.00	2345	11.4	0.00	0505	35.0	0.00
1825	70.0	0.00	2350	11.4	0.00	0510	31.7	0.00
1830	67.5	0.01	2355	11.4	0.01	0515	29.1	0.00
1835	62.5	0.00	October 01, 1989			0520	27.4	0.01
1840	56.7	0.00	0000	11.4	0.00	0525	25.8	0.00
1845	47.5	0.00	0005	11.4	0.00	0530	24.2	0.00
1850	42.5	0.00	0010	11.4	0.00	0535	22.7	0.00
1855	38.3	0.00	0015	11.4	0.00	0540	25.0	0.03
1900	33.3	0.00	0020	11.4	0.01	0545	26.6	0.00
1905	30.0	0.01	0025	11.7	0.00	0550	30.0	0.00
1910	29.1	0.00	0030	11.7	0.00	0555	35.0	0.02
1915	28.2	0.00	0035	11.7	0.00	0600	31.7	0.00
1920	27.4	0.01	0040	12.0	0.02	0605	27.4	0.00
1925	26.6	0.00	0045	12.4	0.00	0610	26.6	0.00
1930	25.8	0.00	0050	12.4	0.00	0615	25.8	0.00
1935	25.0	0.01	0055	12.8	0.00	0620	25.0	0.02
1940	24.2	0.00	0100	12.8	0.00	0625	25.8	0.04
1945	22.7	0.00	0105	12.8	0.00	0630	31.7	0.04
1950	22.0	0.00	0110	12.8	0.01	0635	62.5	0.04
1955	21.2	0.01	0115	12.8	0.00	0640	95.0	0.02
2000	21.2	0.00	0120	12.8	0.00	0645	109.0	0.02
2005	21.2	0.00	0125	13.5	0.05	0650	119.0	0.00
2010	21.2	0.02	0130	14.6	0.02	0655	142.0	0.00
2015	21.2	0.00	0135	19.8	0.01	0700	186.0	0.17
2020	21.2	0.00	0140	23.5	0.02	0705	250.0	0.07
2025	21.2	0.00	0145	29.1	0.00	0710	312.0	0.09
2030	21.2	0.01	0150	30.0	0.00	0715	369.0	0.09
2035	21.2	0.00	0155	31.7	0.00	0720	433.0	0.05
2040	20.5	0.00	0200	35.0	0.00	0725	476.0	0.03
2045	20.5	0.00	0205	40.0	0.00	0730	525.0	0.09
2050	19.8	0.01	0210	53.3	0.01	0735	577.0	0.09
2055	19.8	0.00	0215	70.0	0.01	0740	629.0	0.06
2100	19.1	0.00	0220	80.0	0.00	0745	669.0	0.03
2105	19.1	0.01	0225	100.0	0.01	0750	698.0	0.03
2110	19.1	0.00	0230	116.0	0.00	0755	724.0	0.04
2115	19.1	0.00	0235	126.0	0.01	0800	727.0	0.02
2120	19.1	0.00	0240	126.0	0.00	0805	731.0	0.02
2125	19.1	0.00	0245	123.0	0.01	0810	733.0	0.01
2130	19.1	0.00	0250	116.0	0.00	0815	733.0	0.00
2135	17.9	0.00	0255	112.0	0.00	0820	718.0	0.00
2140	17.4	0.00	0300	109.0	0.01	0825	700.0	0.05
2145	16.9	0.00	0305	107.0	0.00	0830	683.0	0.02
2150	16.4	0.00	0310	105.0	0.00	0835	662.0	0.03
2155	16.0	0.00	0315	102.0	0.00	0840	640.0	0.01
2200	15.5	0.00	0320	97.5	0.00	0845	619.0	0.04

Table 77.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, September 30 - October 2, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0850	600.0	0.02	1415	222.0	0.00	1940	17.4	0.00
0855	588.0	0.02	1420	213.0	0.00	1945	17.4	0.00
0900	573.0	0.02	1425	202.0	0.00	1950	16.9	0.00
0905	558.0	0.05	1430	193.0	0.00	1955	16.9	0.00
0910	552.0	0.02	1435	181.0	0.00	2000	16.9	0.00
0915	540.0	0.02	1440	174.0	0.00	2005	16.4	0.00
0920	542.0	0.03	1445	165.0	0.00	2010	16.4	0.00
0925	544.0	0.03	1450	158.0	0.00	2015	16.4	0.00
0930	540.0	0.03	1455	154.0	0.00	2020	16.4	0.00
0935	542.0	0.02	1500	144.0	0.00	2025	16.0	0.00
0940	540.0	0.03	1505	137.0	0.00	2030	16.0	0.00
0945	540.0	0.02	1510	130.0	0.00	2035	15.5	0.00
0950	533.0	0.03	1515	126.0	0.00	2040	15.5	0.00
0955	533.0	0.02	1520	121.0	0.00	2045	15.5	0.00
1000	550.0	0.00	1525	116.0	0.00	2050	15.0	0.00
1005	579.0	0.13	1530	109.0	0.00	2055	15.0	0.00
1010	606.0	0.09	1535	105.0	0.00	2100	15.0	0.00
1015	638.0	0.05	1540	100.0	0.00	2105	14.6	0.00
1020	660.0	0.03	1545	95.0	0.00	2110	14.6	0.00
1025	679.0	0.07	1550	95.0	0.00	2115	14.6	0.00
1030	716.0	0.02	1555	87.5	0.00	2120	14.2	0.00
1035	731.0	0.02	1600	82.5	0.00	2125	14.2	0.00
1040	740.0	0.02	1605	77.5	0.00	2130	14.2	0.00
1045	749.0	0.03	1610	75.0	0.00	2135	13.9	0.00
1050	753.0	0.02	1615	70.0	0.00	2140	13.9	0.00
1055	751.0	0.00	1620	67.5	0.00	2145	13.9	0.00
1100	753.0	0.02	1625	62.5	0.00	2150	13.5	0.00
1105	742.0	0.00	1630	56.7	0.00	2155	13.5	0.00
1110	736.0	0.00	1635	53.3	0.00	2200	13.5	0.00
1115	720.0	0.00	1640	50.0	0.00	2205	13.1	0.00
1120	711.0	0.00	1645	47.5	0.00	2210	13.1	0.00
1125	685.0	0.00	1650	45.0	0.00	2215	12.8	0.00
1130	660.0	0.01	1655	40.0	0.00	2220	12.8	0.00
1135	631.0	0.00	1700	38.3	0.00	2225	12.8	0.00
1140	608.0	0.01	1705	36.7	0.00	2230	12.4	0.00
1145	579.0	0.00	1710	35.0	0.00	2235	12.4	0.00
1150	550.0	0.00	1715	33.3	0.00	2240	12.4	0.00
1155	527.0	0.00	1720	31.7	0.00	2245	12.4	0.00
1200	502.0	0.00	1725	30.0	0.00	2250	12.0	0.00
1205	480.0	0.00	1730	29.1	0.00	2255	12.0	0.00
1210	457.0	0.00	1735	28.2	0.00	2300	12.0	0.00
1215	429.0	0.00	1740	27.4	0.00	2305	11.7	0.00
1220	410.0	0.00	1745	26.6	0.00	2310	11.7	0.00
1225	392.0	0.09	1750	25.8	0.00	2315	11.7	0.00
1230	382.0	0.00	1755	25.0	0.00	2320	11.7	0.00
1235	382.0	0.00	1800	24.2	0.00	2325	11.4	0.00
1240	384.0	0.03	1805	23.5	0.00	2330	11.4	0.00
1245	392.0	0.00	1810	23.5	0.00	2335	11.4	0.00
1250	402.0	0.02	1815	22.7	0.00	2340	11.4	0.00
1255	400.0	0.00	1820	22.0	0.00	2345	11.4	0.00
1300	396.0	0.00	1825	21.2	0.00	2350	11.0	0.00
1305	398.0	0.00	1830	21.2	0.00	2355	11.0	0.00
1310	394.0	0.00	1835	20.5	0.00	October 02, 1989		
1315	390.0	0.00	1840	20.5	0.00	0000	11.0	0.00
1320	384.0	0.00	1845	20.5	0.00	0005	11.0	0.00
1325	367.0	0.00	1850	19.8	0.00	0010	11.0	0.00
1330	353.0	0.00	1855	19.8	0.00	0015	10.7	0.00
1335	337.0	0.00	1900	19.1	0.00	0020	10.7	0.00
1340	318.0	0.00	1905	18.4	0.00	0025	10.7	0.00
1345	302.0	0.00	1910	18.4	0.00	0030	10.7	0.00
1350	285.0	0.00	1915	17.9	0.00	0035	10.7	0.00
1355	270.0	0.00	1920	17.9	0.00	0040	10.7	0.01
1400	256.0	0.00	1925	17.9	0.00	0045	10.7	0.00
1405	246.0	0.00	1930	17.9	0.00	0050	10.7	0.00
1410	233.0	0.00	1935	17.4	0.00	0055	10.7	0.00

Table 77.--Streamflow and rainfall at station 02164011, Brushy Creek (Reedy River tributary) at Greenville, September 30 - October 2, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0100	10.7	0.00	0605	8.3	0.00	1110	7.0	0.00
0105	10.7	0.00	0610	8.3	0.00	1115	7.0	0.00
0110	10.7	0.00	0615	8.3	0.00	1120	7.0	0.00
0115	10.7	0.00	0620	8.3	0.00	1125	7.0	0.00
0120	10.7	0.00	0625	8.3	0.00	1130	7.0	0.00
0125	10.7	0.00	0630	8.3	0.00	1135	6.7	0.00
0130	10.7	0.00	0635	8.0	0.00	1140	6.7	0.00
0135	10.7	0.00	0640	8.0	0.00	1145	6.7	0.00
0140	10.7	0.00	0645	8.0	0.00	1150	6.7	0.00
0145	10.3	0.00	0650	8.0	0.00	1155	6.7	0.00
0150	10.3	0.00	0655	8.0	0.00	1200	6.7	0.00
0155	10.3	0.00	0700	8.0	0.00	1205	6.7	0.00
0200	10.3	0.00	0705	8.0	0.00	1210	6.7	0.00
0205	10.3	0.00	0710	8.0	0.00	1215	6.7	0.00
0210	10.0	0.00	0715	8.0	0.00	1220	6.7	0.00
0215	10.0	0.00	0720	8.0	0.00	1225	6.7	0.00
0220	10.0	0.00	0725	8.0	0.00	1230	6.7	0.00
0225	10.0	0.00	0730	8.0	0.00	1235	6.4	0.00
0230	10.0	0.00	0735	7.7	0.00	1240	6.4	0.00
0235	10.0	0.00	0740	7.7	0.00	1245	6.4	0.00
0240	10.0	0.00	0745	7.7	0.00	1250	6.4	0.00
0245	10.0	0.00	0750	7.7	0.00	1255	6.4	0.00
0250	10.0	0.00	0755	7.7	0.00	1300	6.4	0.00
0255	10.0	0.00	0800	7.7	0.00	1305	6.4	0.00
0300	10.0	0.00	0805	7.7	0.00	1310	6.4	0.00
0305	10.0	0.00	0810	7.7	0.00	1315	6.4	0.00
0310	10.0	0.00	0815	7.7	0.00	1320	6.4	0.00
0315	9.7	0.00	0820	7.7	0.00	1325	6.4	0.00
0320	9.7	0.00	0825	7.7	0.00	1330	6.4	0.00
0325	9.7	0.00	0830	7.7	0.00	1335	6.4	0.00
0330	9.7	0.00	0835	7.7	0.00	1340	6.4	0.00
0335	9.7	0.00	0840	7.7	0.00	1345	6.4	0.00
0340	9.7	0.00	0845	7.7	0.00	1350	6.4	0.00
0345	9.3	0.00	0850	7.7	0.00	1355	6.4	0.00
0350	9.3	0.00	0855	7.7	0.00	1400	6.4	0.00
0355	9.3	0.00	0900	7.7	0.00	1405	6.4	0.00
0400	9.3	0.00	0905	7.3	0.00	1410	6.4	0.00
0405	9.3	0.00	0910	7.3	0.00	1415	6.4	0.00
0410	9.0	0.00	0915	7.3	0.00	1420	6.1	0.00
0415	9.0	0.00	0920	7.3	0.00	1425	6.1	0.00
0420	9.0	0.00	0925	7.3	0.00	1430	6.1	0.00
0425	9.0	0.00	0930	7.3	0.00	1435	6.1	0.00
0430	9.0	0.00	0935	7.3	0.00	1440	6.1	0.00
0435	9.0	0.00	0940	7.3	0.00	1445	6.1	0.00
0440	9.0	0.00	0945	7.3	0.00	1450	6.1	0.00
0445	9.0	0.00	0950	7.3	0.00	1455	6.1	0.00
0450	8.7	0.00	0955	7.3	0.00	1500	6.1	0.00
0455	8.7	0.00	1000	7.3	0.00	1505	6.1	0.00
0500	8.7	0.00	1005	7.3	0.00	1510	6.1	0.00
0505	8.7	0.00	1010	7.0	0.00	1515	6.1	0.00
0510	8.7	0.00	1015	7.0	0.00	1520	6.1	0.00
0515	8.7	0.00	1020	7.0	0.00	1525	6.1	0.00
0520	8.7	0.00	1025	7.0	0.00	1530	5.8	0.00
0525	8.7	0.00	1030	7.0	0.00	1535	5.8	0.00
0530	8.3	0.00	1035	7.0	0.00	1540	5.8	0.00
0535	8.3	0.00	1040	7.0	0.00	1545	5.8	0.00
0540	8.3	0.00	1045	7.0	0.00	1550	5.8	0.00
0545	8.3	0.00	1050	7.0	0.00	1555	5.8	0.00
0550	8.3	0.00	1055	7.0	0.00	1600	5.8	0.00
0555	8.3	0.00	1100	7.0	0.00			
0600	8.3	0.00	1105	7.0	0.00			

Station 02166975, Sample Branch at Greenwood, S.C.

Location.--Lat 34°12'56", long 82°09'20", Greenwood County, Hydrologic Unit 03050109, at culvert on U.S. Highway 25/178 bypass, 1.9 mi north of the Greenwood County Courthouse, and 1.3 mi upstream from the mouth at Rocky Creek.

Period of record.-- November 19, 1985 to October 12, 1990.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to a free-standing platform on the right bank, approximately 15 ft upstream from a 10 ft by 8 ft concrete box culvert. An enameled staff gage is attached to the platform. A single crest-stage indicator is located on the right downstream wingwall.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 114 ft^3/s. The stage-streamflow relation was extended to 280 ft^3/s using indirect computational methods.

Rain gage and location.--Station 341256082092000, lat 34°12'56", long 82°09'20". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval attached to the downstream right wingwall, at U.S. Highway 25/178 bypass, 1.9 mi north of the Greenwood County Courthouse, and 1.3 mi upstream from the mouth at Rocky Creek.

Selected basin characteristics.--

Drainage area -- 1.16 mi^2
Physiographic province – Piedmont
Channel slope -- 47.2 ft/mi
Channel length -- 1.63 mi
Total impervious area -- 24.0 percent
Basin development factor -- 6
2-year, 2-hour rainfall amount -- 2.04 in.

Flood frequency data:	UQ_2	288 ft^3/s
	UQ_5	446 ft^3/s
	UQ_{10}	561 ft^3/s
	UQ_{25}	718 ft^3/s
	UQ_{50}	846 ft^3/s
	UQ_{100}	980 ft^3/s
	UQ_{500}	1,320 ft^3/s

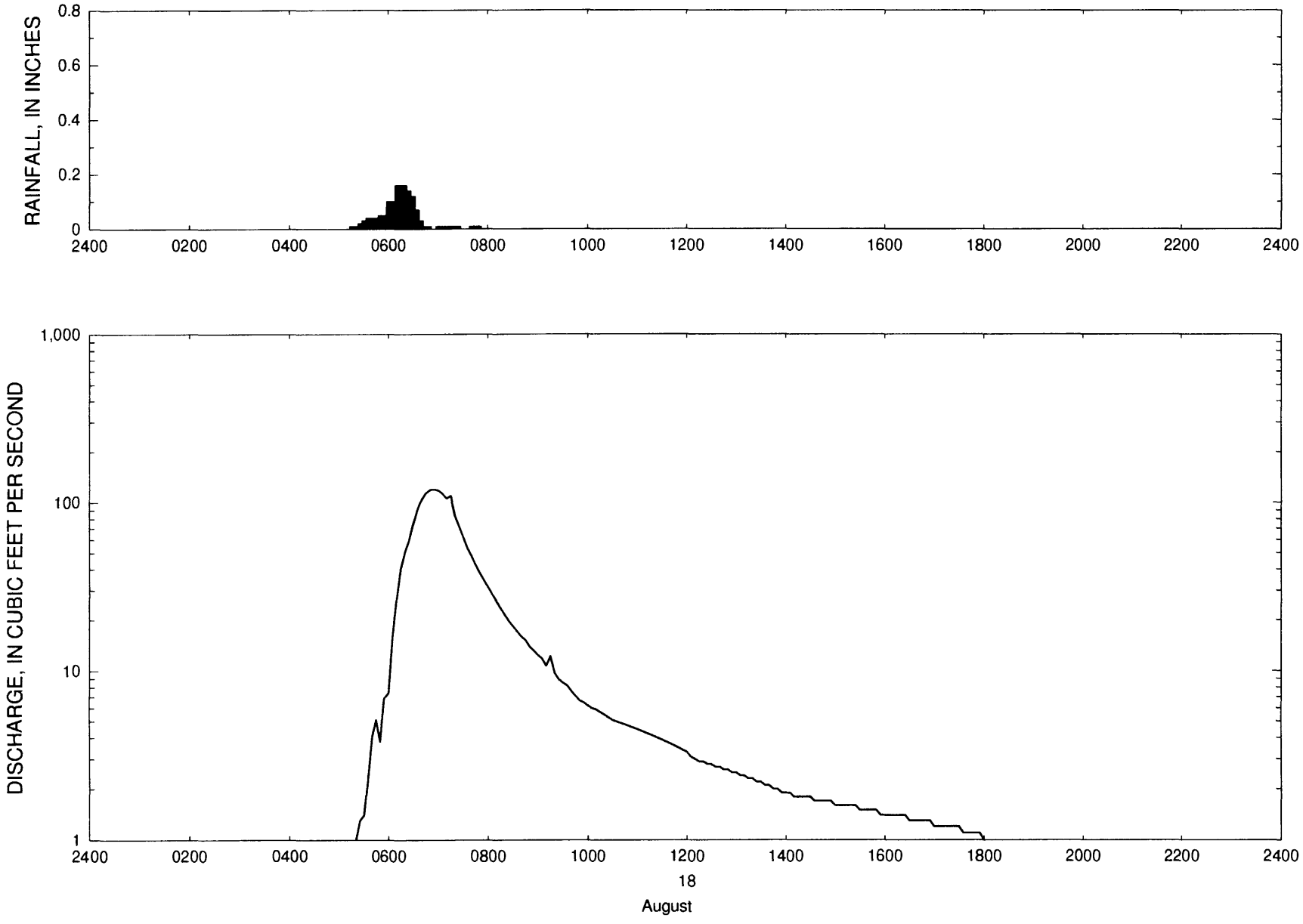


Figure 79.--Streamflow and rainfall at station 02166975, Sample Branch at Greenwood, August 18, 1986.

Table 78.--Streamflow and rainfall at station 02166975, Sample Branch at Greenwood, August 18, 1986

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
August 18, 1986			0935	8.2	0.00	1355	1.9	0.00
0520	1.0	0.01	0940	7.6	0.00	1400	1.9	0.00
0525	1.3	0.00	0945	7.1	0.00	1405	1.9	0.00
0530	1.4	0.02	0950	6.7	0.00	1410	1.8	0.00
0535	2.3	0.03	0955	6.5	0.00	1415	1.8	0.00
0540	4.1	0.04	1000	6.2	0.00	1420	1.8	0.00
0545	5.1	0.01	1005	6.0	0.00	1425	1.8	0.00
0550	3.8	0.01	1010	5.9	0.00	1430	1.8	0.00
0555	6.9	0.05	1015	5.7	0.00	1435	1.7	0.00
0600	7.4	0.04	1020	5.5	0.00	1440	1.7	0.00
0605	15.7	0.10	1025	5.3	0.00	1445	1.7	0.00
0610	26.6	0.10	1030	5.1	0.00	1450	1.7	0.00
0615	40.6	0.16	1035	5.0	0.00	1455	1.7	0.00
0620	51.1	0.14	1040	4.9	0.00	1500	1.6	0.00
0625	59.6	0.12	1045	4.8	0.00	1505	1.6	0.00
0630	75.0	0.07	1050	4.7	0.00	1510	1.6	0.00
0635	91.2	0.03	1055	4.6	0.00	1515	1.6	0.00
0640	105.0	0.01	1100	4.5	0.00	1520	1.6	0.00
0645	114.0	0.01	1105	4.4	0.00	1525	1.6	0.00
0650	119.0	0.00	1110	4.3	0.00	1530	1.5	0.00
0655	120.0	0.00	1115	4.2	0.00	1535	1.5	0.00
0700	118.0	0.00	1120	4.1	0.00	1540	1.5	0.00
0705	113.0	0.01	1125	4.0	0.00	1545	1.5	0.00
0710	106.0	0.00	1130	3.9	0.00	1550	1.5	0.00
0715	110.0	0.01	1135	3.8	0.00	1555	1.4	0.00
0720	83.4	0.01	1140	3.7	0.00	1600	1.4	0.00
0725	72.1	0.00	1145	3.6	0.00	1605	1.4	0.00
0730	62.5	0.00	1150	3.5	0.00	1610	1.4	0.00
0735	53.7	0.00	1155	3.4	0.00	1615	1.4	0.00
0740	48.3	0.00	1200	3.3	0.00	1620	1.4	0.00
0745	42.6	0.01	1205	3.1	0.00	1625	1.4	0.00
0750	38.2	0.00	1210	3.0	0.00	1630	1.3	0.00
0755	34.5	0.00	1215	2.9	0.00	1635	1.3	0.00
0800	31.4	0.00	1220	2.9	0.00	1640	1.3	0.00
0805	28.5	0.00	1225	2.8	0.00	1645	1.3	0.00
0810	26.1	0.00	1230	2.8	0.00	1650	1.3	0.00
0815	23.6	0.00	1235	2.7	0.00	1655	1.3	0.00
0820	21.6	0.00	1240	2.7	0.00	1700	1.2	0.00
0825	19.8	0.00	1245	2.6	0.00	1705	1.2	0.00
0830	18.5	0.00	1250	2.6	0.00	1710	1.2	0.00
0835	17.2	0.00	1255	2.5	0.00	1715	1.2	0.00
0840	16.0	0.00	1300	2.5	0.00	1720	1.2	0.00
0845	15.2	0.00	1305	2.4	0.00	1725	1.2	0.00
0850	13.9	0.00	1310	2.4	0.00	1730	1.2	0.00
0855	13.2	0.00	1315	2.3	0.00	1735	1.1	0.00
0900	12.4	0.00	1320	2.3	0.00	1740	1.1	0.00
0905	11.8	0.00	1325	2.2	0.00	1745	1.1	0.00
0910	10.7	0.00	1330	2.2	0.00	1750	1.1	0.00
0915	12.2	0.00	1335	2.1	0.00	1755	1.1	0.00
0920	9.7	0.00	1340	2.1	0.00	1800	1.0	0.00
0925	8.9	0.00	1345	2.0	0.00			
0930	8.5	0.00	1350	2.0	0.00			

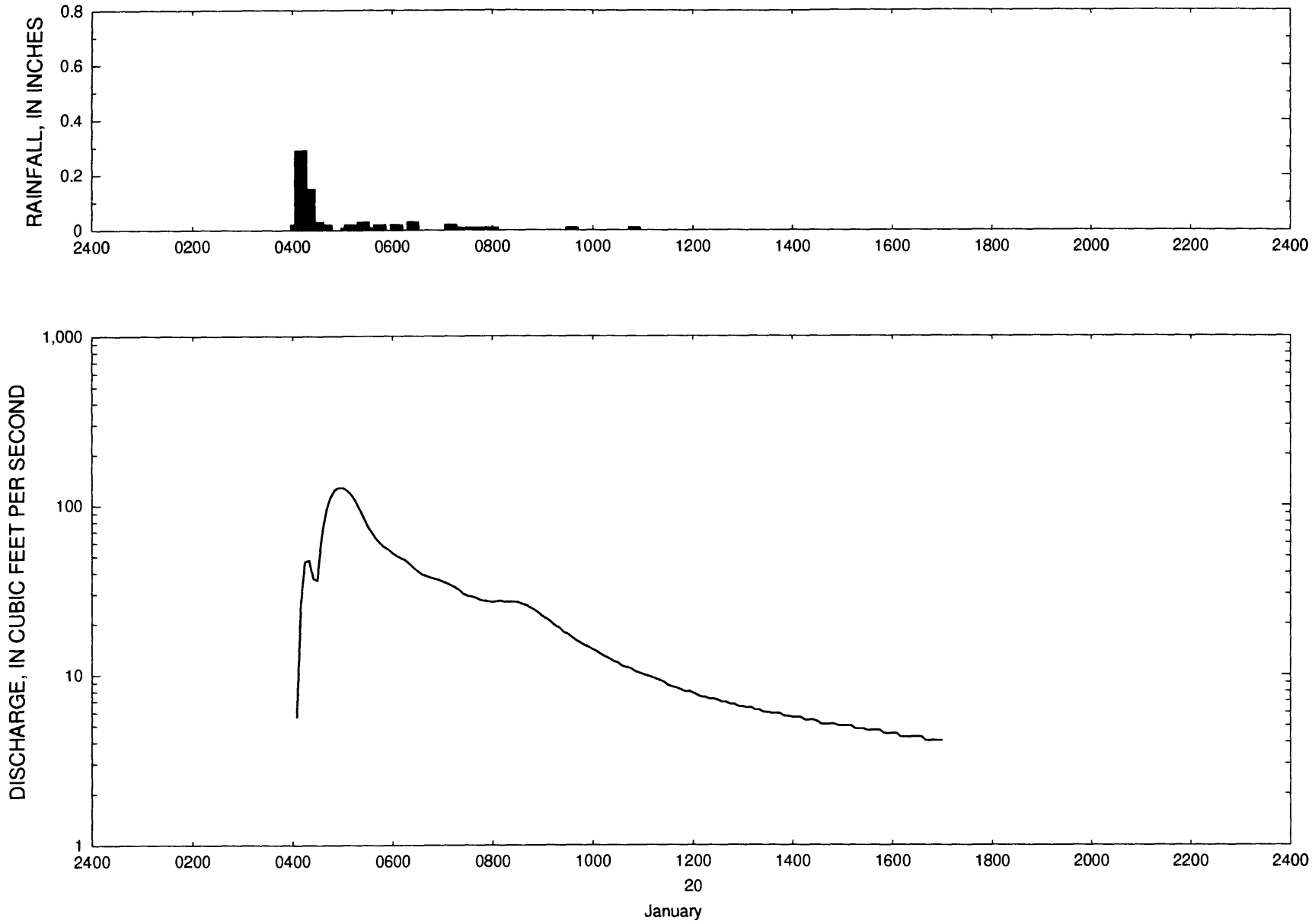


Figure 30.--Streamflow and rainfall at station 02166975, Sample Branch at Greenwood, January 20, 1998.

Table 79.--Streamflow and rainfall at station 02166975, Sample Branch at Greenwood, January 20, 1988

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
January 20, 1988			0825	26.9	0.00	1250	6.7	0.00
0405	5.6	0.02	0830	26.9	0.00	1255	6.5	0.00
0410	26.3	0.29	0835	26.3	0.00	1300	6.5	0.00
0415	46.6	0.07	0840	25.8	0.00	1305	6.4	0.00
0420	47.5	0.15	0845	25.0	0.00	1310	6.4	0.00
0425	37.1	0.00	0850	24.2	0.00	1315	6.2	0.00
0430	36.3	0.03	0855	23.3	0.00	1320	6.2	0.00
0435	65.7	0.00	0900	22.2	0.00	1325	6.0	0.00
0440	91.9	0.02	0905	21.4	0.00	1330	6.0	0.00
0445	111.0	0.00	0910	20.6	0.00	1335	5.9	0.00
0450	123.0	0.00	0915	19.5	0.00	1340	5.9	0.00
0455	128.0	0.00	0920	19.0	0.00	1345	5.9	0.00
0500	128.0	0.00	0925	17.9	0.00	1350	5.7	0.00
0505	123.0	0.01	0930	17.4	0.00	1355	5.7	0.00
0510	117.0	0.02	0935	16.7	0.01	1400	5.6	0.00
0515	108.0	0.00	0940	16.0	0.00	1405	5.6	0.00
0520	96.3	0.00	0945	15.5	0.00	1410	5.6	0.00
0525	85.4	0.03	0950	15.0	0.00	1415	5.4	0.00
0530	76.2	0.00	0955	14.6	0.00	1420	5.4	0.00
0535	69.4	0.01	1000	14.1	0.00	1425	5.4	0.00
0540	63.9	0.00	1005	13.7	0.00	1430	5.3	0.00
0545	60.2	0.02	1010	13.2	0.00	1435	5.1	0.00
0550	57.2	0.00	1015	12.8	0.00	1440	5.1	0.00
0555	55.1	0.00	1020	12.4	0.00	1445	5.1	0.00
0600	52.5	0.00	1025	12.0	0.00	1450	5.1	0.00
0605	50.6	0.02	1030	11.8	0.00	1455	5.0	0.00
0610	49.2	0.00	1035	11.3	0.00	1500	5.0	0.00
0615	47.8	0.00	1040	11.1	0.00	1505	5.0	0.00
0620	45.4	0.00	1045	10.9	0.00	1510	5.0	0.00
0625	43.2	0.03	1050	10.5	0.01	1515	4.8	0.00
0630	41.2	0.00	1055	10.3	0.00	1520	4.8	0.00
0635	39.5	0.00	1100	10.1	0.00	1525	4.8	0.00
0640	38.5	0.00	1105	9.9	0.00	1530	4.7	0.00
0645	37.7	0.00	1110	9.7	0.00	1535	4.7	0.00
0650	37.1	0.00	1115	9.5	0.00	1540	4.7	0.00
0655	36.6	0.00	1120	9.3	0.00	1545	4.7	0.00
0700	35.8	0.00	1125	9.1	0.00	1550	4.5	0.00
0705	34.8	0.00	1130	8.7	0.00	1555	4.5	0.00
0710	34.0	0.02	1135	8.5	0.00	1600	4.5	0.00
0715	33.0	0.00	1140	8.4	0.00	1605	4.5	0.00
0720	31.7	0.00	1145	8.2	0.00	1610	4.3	0.00
0725	30.1	0.01	1150	8.0	0.00	1615	4.3	0.00
0730	29.3	0.01	1155	8.0	0.00	1620	4.3	0.00
0735	29.0	0.00	1200	7.8	0.00	1625	4.3	0.00
0740	28.5	0.00	1205	7.6	0.00	1630	4.3	0.00
0745	27.7	0.01	1210	7.4	0.00	1635	4.3	0.00
0750	27.4	0.01	1215	7.4	0.00	1640	4.1	0.00
0755	27.1	0.00	1220	7.2	0.00	1645	4.1	0.00
0800	26.9	0.01	1225	7.2	0.00	1650	4.1	0.00
0805	27.1	0.00	1230	7.1	0.00	1655	4.1	0.00
0810	27.4	0.00	1235	6.9	0.00	1700	4.1	0.00
0815	26.9	0.00	1240	6.9	0.00			
0820	26.9	0.00	1245	6.7	0.00			

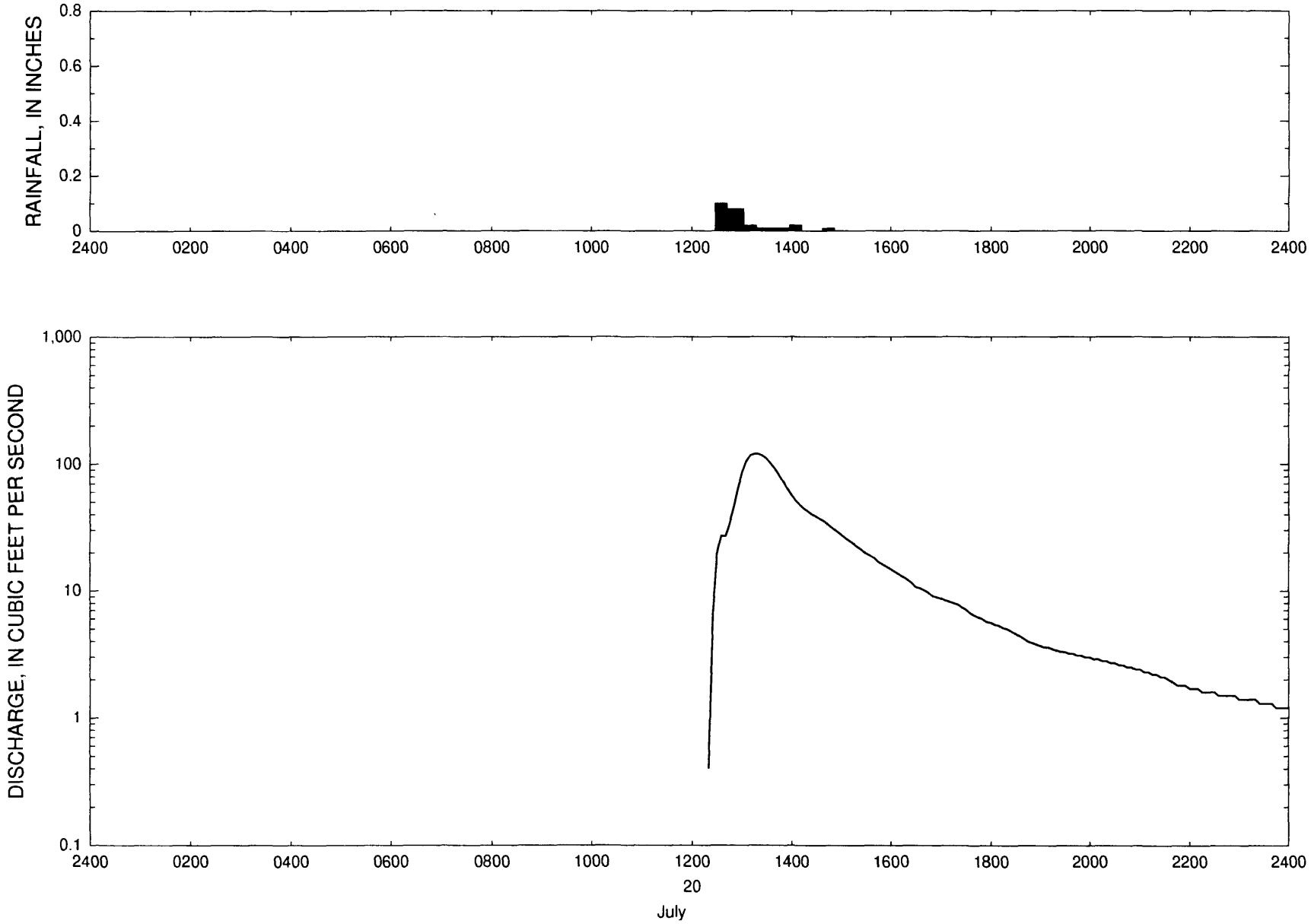


Figure 81.--Streamflow and rainfall at station 02166975, Sample Branch at Greenwood, July 20, 1989.

Table 80.--Streamflow and rainfall at station 02166975, Sample Branch at Greenwood, July 20, 1989

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Pain-fall (inches)
July 20, 1989			1615	12.8	0.00	2015	2.8	0.00
1220	0.4	0.00	1620	12.2	0.00	2020	2.8	0.00
1225	6.7	0.00	1625	11.5	0.00	2025	2.7	0.00
1230	19.3	0.00	1630	10.7	0.00	2030	2.7	0.00
1235	27.1	0.10	1635	10.5	0.00	2035	2.6	0.00
1240	26.9	0.08	1640	10.1	0.00	2040	2.6	0.00
1245	34.0	0.05	1645	9.7	0.00	2045	2.5	0.00
1250	45.7	0.05	1650	9.1	0.00	2050	2.5	0.00
1255	65.1	0.08	1655	8.9	0.00	2055	2.4	0.00
1300	85.8	0.02	1700	8.7	0.00	2100	2.4	0.00
1305	105.0	0.01	1705	8.4	0.00	2105	2.3	0.00
1310	117.0	0.02	1710	8.2	0.00	2110	2.3	0.00
1315	120.0	0.01	1715	8.0	0.00	2115	2.2	0.00
1320	120.0	0.00	1720	7.8	0.00	2120	2.2	0.00
1325	116.0	0.00	1725	7.4	0.00	2125	2.1	0.00
1330	110.0	0.01	1730	7.1	0.00	2130	2.1	0.00
1335	101.0	0.00	1735	6.7	0.00	2135	2.0	0.00
1340	91.9	0.00	1740	6.4	0.00	2140	1.9	0.00
1345	81.8	0.01	1745	6.2	0.00	2145	1.8	0.00
1350	72.8	0.01	1750	6.0	0.00	2150	1.8	0.00
1355	63.9	0.01	1755	5.7	0.00	2155	1.8	0.00
1400	56.6	0.00	1800	5.6	0.00	2200	1.7	0.00
1405	51.4	0.02	1805	5.4	0.00	2205	1.7	0.00
1410	47.8	0.00	1810	5.3	0.00	2210	1.7	0.00
1415	44.6	0.00	1815	5.1	0.00	2215	1.6	0.00
1420	42.3	0.00	1820	5.0	0.00	2220	1.6	0.00
1425	40.1	0.00	1825	4.8	0.00	2225	1.6	0.00
1430	38.7	0.00	1830	4.6	0.00	2230	1.6	0.00
1435	36.9	0.00	1835	4.4	0.00	2235	1.5	0.00
1440	35.3	0.00	1840	4.2	0.00	2240	1.5	0.00
1445	33.0	0.01	1845	4.0	0.00	2245	1.5	0.00
1450	31.1	0.00	1850	3.9	0.00	2250	1.5	0.00
1455	29.5	0.00	1855	3.8	0.00	2255	1.5	0.00
1500	27.7	0.00	1900	3.7	0.00	2300	1.4	0.00
1505	26.1	0.00	1905	3.6	0.00	2305	1.4	0.00
1510	24.8	0.00	1910	3.6	0.00	2310	1.4	0.00
1515	23.6	0.00	1915	3.5	0.00	2315	1.4	0.00
1520	22.2	0.00	1920	3.4	0.00	2320	1.4	0.00
1525	21.1	0.00	1925	3.3	0.00	2325	1.3	0.00
1530	19.8	0.00	1930	3.3	0.00	2330	1.3	0.00
1535	19.0	0.00	1935	3.2	0.00	2335	1.3	0.00
1540	18.2	0.00	1940	3.2	0.00	2340	1.3	0.00
1545	16.9	0.00	1945	3.1	0.00	2345	1.2	0.00
1550	16.2	0.00	1950	3.1	0.00	2350	1.2	0.00
1555	15.5	0.00	1955	3.0	0.00	2355	1.2	0.00
1600	14.8	0.00	2000	3.0	0.00	July 21, 1989		
1605	14.1	0.00	2005	2.9	0.00	0000	1.2	0.00
1610	13.5	0.00	2010	2.9	0.00			

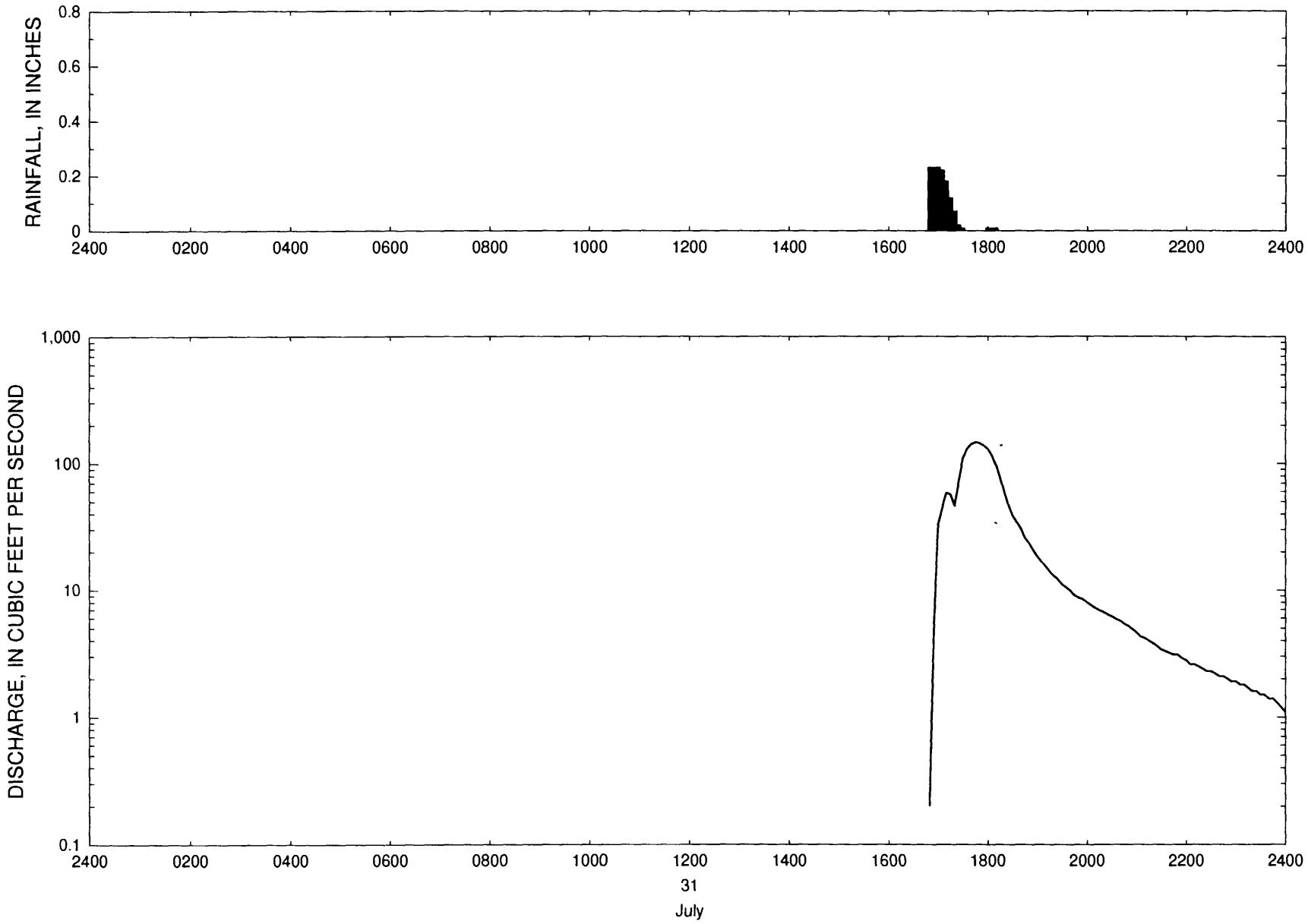


Figure 82.--Streamflow and rainfall at station 02166975, Sample Branch at Greenwood, July 31-August 1, 1989.

Table 81.--Streamflow and rainfall at station 02166975, Sample Branch at Greenwood, July 31 - August 1, 1989

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
July 31, 1989			1915	14.1	0.00	2145	3.1	0.00
1650	0.2	0.00	1920	13.0	0.00	2150	3.0	0.00
1655	5.0	0.23	1925	12.2	0.00	2155	2.9	0.00
1700	32.5	0.22	1930	11.1	0.00	2200	2.8	0.00
1705	44.3	0.18	1935	10.5	0.00	2205	2.6	0.00
1710	59.0	0.12	1940	9.9	0.00	2210	2.6	0.00
1715	57.5	0.07	1945	9.1	0.00	2215	2.5	0.00
1720	46.3	0.02	1950	8.7	0.00	2220	2.4	0.00
1725	72.4	0.01	1955	8.5	0.00	2225	2.3	0.00
1730	110.0	0.00	2000	8.0	0.00	2230	2.3	0.00
1735	131.0	0.00	2005	7.6	0.00	2235	2.2	0.00
1740	142.0	0.00	2010	7.2	0.00	2240	2.1	0.00
1745	147.0	0.00	2015	6.9	0.00	2245	2.1	0.00
1750	145.0	0.00	2020	6.7	0.00	2250	2.0	0.00
1755	139.0	0.00	2025	6.4	0.00	2255	1.9	0.00
1800	130.0	0.00	2030	6.2	0.00	2300	1.9	0.00
1805	116.0	0.01	2035	5.9	0.00	2305	1.8	0.00
1810	98.0	0.00	2040	5.7	0.00	2310	1.8	0.00
1815	77.2	0.00	2045	5.4	0.00	2315	1.7	0.00
1820	60.2	0.00	2050	5.2	0.00	2320	1.6	0.00
1825	47.2	0.00	2055	4.9	0.00	2325	1.6	0.00
1830	39.2	0.00	2100	4.6	0.00	2330	1.5	0.00
1835	34.8	0.00	2105	4.3	0.00	2335	1.5	0.00
1840	30.6	0.00	2110	4.2	0.00	2340	1.4	0.00
1845	26.1	0.00	2115	4.0	0.00	2345	1.4	0.00
1850	23.6	.00	2120	3.8	0.00	2350	1.3	0.00
1855	20.8	0.00	2125	3.6	0.00	2355	1.2	0.00
1900	18.5	0.00	2130	3.4	0.00	August 1, 1989		
1905	16.9	0.00	2135	3.3	0.00	0000	1.1	0.00
1910	15.5	0.00	2140	3.2	0.00			

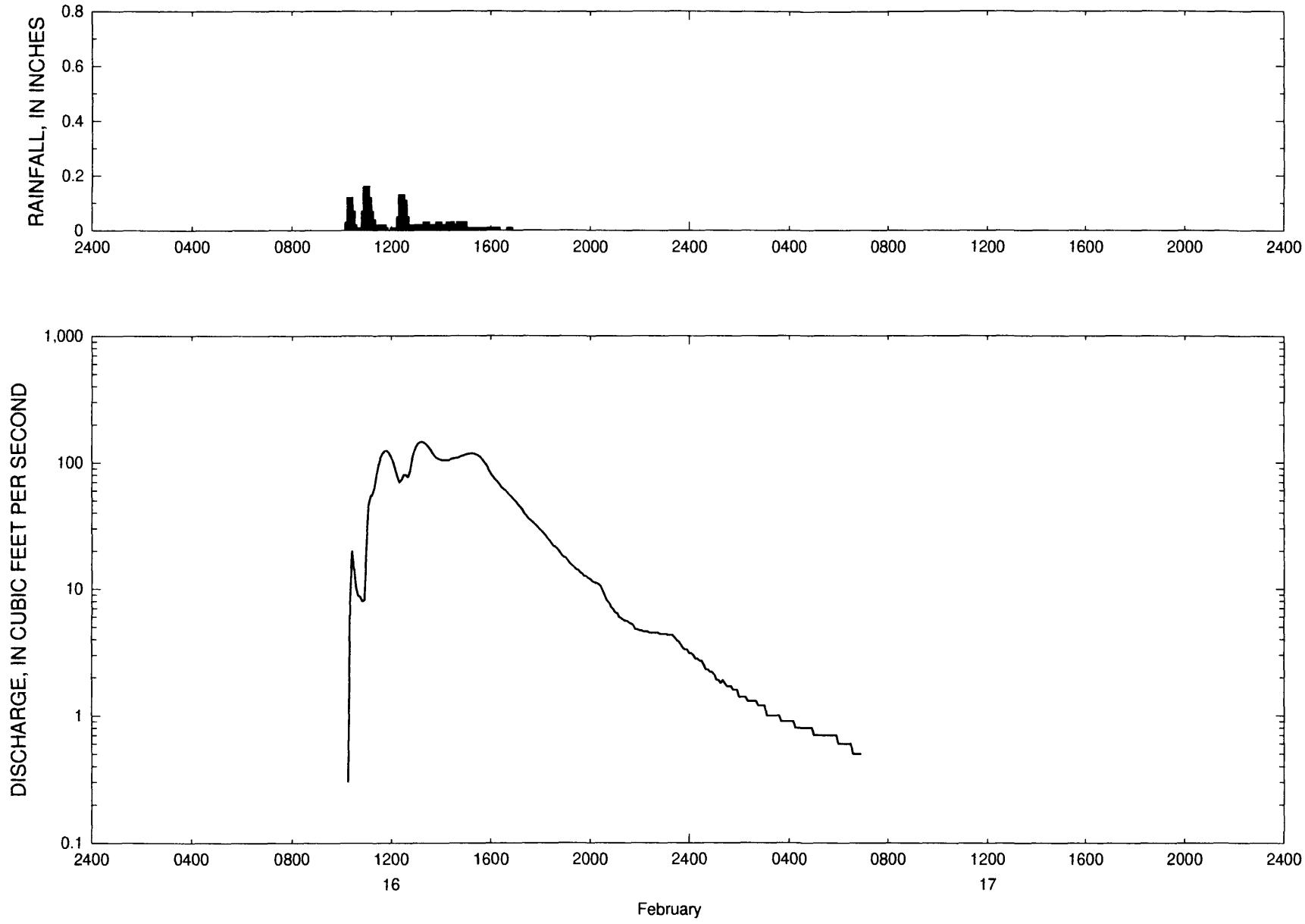


Figure 83.--Streamflow and rainfall at station 02166975, Sample Branch at Greenwood, February 16-17, 1990.

Table 82.--Streamflow and rainfall at station 02166975, Sample Branch at Greenwood, February 16-17, 1990

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
February 16, 1990			1535	111.0	0.01	2100	6.5	0.00
1015	0.3	0.03	1540	105.0	0.00	2105	6.4	0.00
1020	7.6	0.12	1545	99.7	0.01	2110	6.0	0.00
1025	20.3	0.07	1550	95.0	0.00	2115	5.9	0.00
1030	14.8	0.02	1555	87.5	0.01	2120	5.7	0.00
1035	10.3	0.00	1600	81.8	0.00	2125	5.6	0.00
1040	8.9	0.01	1605	77.8	0.01	2130	5.6	0.00
1045	8.7	0.01	1610	73.7	0.00	2135	5.4	0.00
1050	8.0	0.00	1615	70.9	0.01	2140	5.3	0.00
1055	8.2	0.07	1620	67.8	0.00	2145	5.1	0.00
1100	21.6	0.16	1625	64.2	0.00	2150	4.8	0.00
1105	46.0	0.12	1630	62.2	0.00	2155	4.8	0.00
1110	54.0	0.07	1635	60.4	0.00	2200	4.7	0.00
1115	55.7	0.04	1640	57.8	0.00	2205	4.7	0.00
1120	63.1	0.02	1645	54.9	0.01	2210	4.6	0.00
1125	79.8	0.01	1650	52.8	0.00	2215	4.6	0.00
1130	96.0	0.02	1655	50.8	0.00	2220	4.6	0.00
1135	110.0	0.01	1700	48.9	0.00	2225	4.5	0.00
1140	118.0	0.02	1705	46.3	0.00	2230	4.5	0.00
1145	124.0	0.01	1710	44.6	0.00	2235	4.5	0.00
1150	124.0	0.00	1715	42.3	0.00	2240	4.5	0.00
1155	119.0	0.00	1720	39.5	0.00	2245	4.5	0.00
1200	111.0	0.00	1725	37.9	0.00	2250	4.4	0.00
1205	100.0	0.01	1730	36.1	0.00	2255	4.4	0.00
1210	88.1	0.00	1735	35.0	0.00	2300	4.4	0.00
1215	76.9	0.00	1740	33.8	0.00	2305	4.4	0.00
1220	70.0	0.05	1745	32.5	0.00	2310	4.3	0.00
1225	73.4	0.13	1750	31.4	0.00	2315	4.3	0.00
1230	80.1	0.11	1755	30.1	0.00	2320	4.3	0.00
1235	80.1	0.05	1800	29.0	0.00	2325	4.1	0.00
1240	76.6	0.02	1805	27.7	0.00	2330	3.9	0.00
1245	86.1	0.02	1810	26.6	0.00	2335	3.8	0.00
1250	106.0	0.02	1815	25.3	0.00	2340	3.6	0.00
1255	121.0	0.02	1820	24.3	0.00	2345	3.4	0.00
1300	133.0	0.01	1825	23.0	0.00	2350	3.3	0.00
1305	141.0	0.01	1830	21.9	0.00	2355	3.3	0.00
1310	145.0	0.02	1835	21.6	0.00	February 17, 1990		
1315	146.0	0.01	1840	20.8	0.00	0000	3.1	0.00
1320	144.0	0.01	1845	19.8	0.00	0005	3.1	0.00
1325	140.0	0.03	1850	18.7	0.00	0010	3.0	0.00
1330	134.0	0.02	1855	17.9	0.00	0015	2.8	0.00
1335	127.0	0.02	1900	17.7	0.00	0020	2.8	0.00
1340	119.0	0.02	1905	16.9	0.00	0025	2.7	0.00
1345	113.0	0.01	1910	16.0	0.00	0030	2.7	0.00
1350	109.0	0.02	1915	15.5	0.00	0035	2.5	0.00
1355	107.0	0.03	1920	15.0	0.00	0040	2.3	0.00
1400	105.0	0.02	1925	14.3	0.00	0045	2.3	0.00
1405	105.0	0.01	1930	14.1	0.00	0050	2.2	0.00
1410	105.0	0.02	1935	13.5	0.00	0055	2.2	0.00
1415	105.0	0.02	1940	13.2	0.00	0100	2.1	0.00
1420	105.0	0.03	1945	12.6	0.00	0105	1.9	0.00
1425	107.0	0.03	1950	12.6	0.00	0110	1.9	0.00
1430	108.0	0.02	1955	12.2	0.00	0115	1.8	0.00
1435	109.0	0.02	2000	12.0	0.00	0120	1.9	0.00
1440	109.0	0.02	2005	11.5	0.00	0125	1.8	0.00
1445	111.0	0.03	2010	11.3	0.00	0130	1.7	0.00
1450	113.0	0.02	2015	11.1	0.00	0135	1.7	0.00
1455	114.0	0.03	2020	10.9	0.00	0140	1.7	0.00
1500	116.0	0.01	2025	10.5	0.00	0145	1.6	0.00
1505	117.0	0.00	2030	9.7	0.00	0150	1.6	0.00
1510	118.0	0.01	2035	8.9	0.00	0155	1.6	0.00
1515	119.0	0.00	2040	8.2	0.00	0200	1.4	0.00
1520	118.0	0.00	2045	7.8	0.00	0205	1.4	0.00
1525	116.0	0.01	2050	7.2	0.00	0210	1.4	0.00
1530	114.0	0.00	2055	6.9	0.00	0215	1.4	0.00

Table 82.--Streamflow and rainfall at station 02166975, Sample Branch at Greenwood, February 16-17, 1990--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
0220	1.3	0.00	0400	0.9	0.00	0540	0.7	0.00
0225	1.3	0.00	0405	0.9	0.00	0545	0.7	0.00
0230	1.3	0.00	0410	0.9	0.00	0550	0.7	0.00
0235	1.3	0.00	0415	0.8	0.00	0555	0.7	0.00
0240	1.3	0.00	0420	0.8	0.00	0600	0.6	0.00
0245	1.2	0.00	0425	0.8	0.00	0605	0.6	0.00
0250	1.2	0.00	0430	0.8	0.00	0610	0.6	0.00
0255	1.2	0.00	0435	0.8	0.00	0615	0.6	0.00
0300	1.2	0.00	0440	0.8	0.00	0620	0.6	0.00
0305	1.0	0.00	0445	0.8	0.00	0625	0.6	0.00
0310	1.0	0.00	0450	0.8	0.00	0630	0.6	0.00
0315	1.0	0.00	0455	0.8	0.00	0635	0.5	0.00
0320	1.0	0.00	0500	0.7	0.00	0640	0.5	0.00
0325	1.0	0.00	0505	0.7	0.00	0645	0.5	0.00
0330	1.0	0.00	0510	0.7	0.00	0650	0.5	0.00
0335	1.0	0.00	0515	0.7	0.00	0655	0.5	0.00
0340	0.9	0.00	0520	0.7	0.00	0700	0.5	0.00
0345	0.9	0.00	0525	0.7	0.00			
0350	0.9	0.00	0530	0.7	0.00			
0355	0.9	0.00	0535	0.7	0.00			

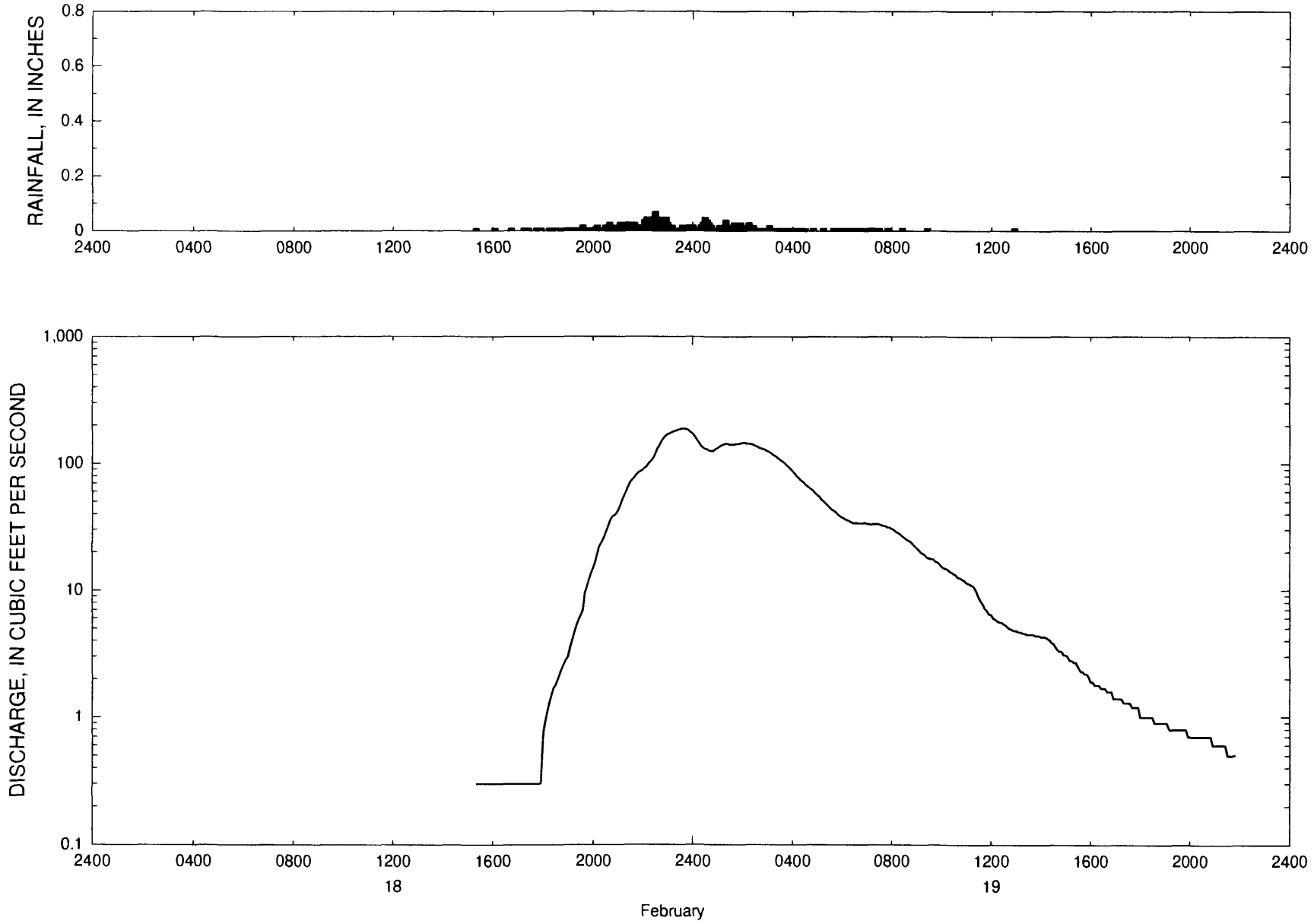


Figure 84.--Streamflow and rainfall at station 02166975, Sample Branch at Greenwood, February 18-19, 1990.

Table 83.--Streamflow and rainfall at station 02166975, Sample Branch at Greenwood, February 18-19, 1990

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
February 18, 1990			2040	35.0	0.03	0200	146.0	0.02
1520	0.3	0.01	2045	37.9	0.02	0205	147.0	0.01
1525	0.3	0.00	2050	38.7	0.02	0210	145.0	0.00
1530	0.3	0.00	2055	40.1	0.02	0215	144.0	0.03
1535	0.3	0.00	2100	42.9	0.02	0220	143.0	0.02
1540	0.3	0.00	2105	46.6	0.03	0225	142.0	0.02
1545	0.3	0.00	2110	51.7	0.02	0230	139.0	0.01
1550	0.3	0.00	2115	56.6	0.03	0235	137.0	0.01
1555	0.3	0.00	2120	61.0	0.02	0240	134.0	0.01
1600	0.3	0.00	2125	65.4	0.03	0245	132.0	0.01
1605	0.3	0.01	2130	71.2	0.02	0250	131.0	0.01
1610	0.3	0.00	2135	74.6	0.01	0255	129.0	0.01
1615	0.3	0.00	2140	77.8	0.03	0300	126.0	0.01
1620	0.3	0.00	2145	82.1	0.02	0305	124.0	0.02
1625	0.3	0.00	2150	85.4	0.02	0310	121.0	0.00
1630	0.3	0.00	2155	87.1	0.02	0315	117.0	0.01
1635	0.3	0.00	2200	88.8	0.02	0320	115.0	0.01
1640	0.3	0.00	2205	92.6	0.04	0325	111.0	0.00
1645	0.3	0.01	2210	95.0	0.05	0330	108.0	0.01
1650	0.3	0.00	2215	101.0	0.05	0335	105.0	0.01
1655	0.3	0.00	2220	105.0	0.05	0340	102.0	0.00
1700	0.3	0.00	2225	110.0	0.04	0345	98.3	0.01
1705	0.3	0.00	2230	119.0	0.07	0350	95.3	0.01
1710	0.3	0.00	2235	131.0	0.04	0355	91.9	0.00
1715	0.3	0.01	2240	139.0	0.04	0400	87.8	0.00
1720	0.3	0.00	2245	150.0	0.05	0405	84.4	0.01
1725	0.3	0.01	2250	159.0	0.05	0410	80.5	0.00
1730	0.3	0.00	2255	166.0	0.05	0415	77.8	0.00
1735	0.3	0.00	2300	171.0	0.03	0420	74.6	0.01
1740	0.3	0.00	2305	173.0	0.02	0425	72.4	0.00
1745	0.3	0.01	2310	177.0	0.02	0430	69.7	0.01
1750	0.3	0.00	2315	180.0	0.01	0435	67.2	0.00
1755	0.3	0.01	2320	182.0	0.01	0440	64.8	0.00
1800	0.7	0.00	2325	185.0	0.01	0445	63.1	0.00
1805	0.9	0.00	2330	187.0	0.01	0450	61.0	0.01
1810	1.1	0.00	2335	189.0	0.02	0455	58.4	0.00
1815	1.3	0.01	2340	189.0	0.02	0500	56.3	0.00
1820	1.5	0.00	2345	187.0	0.02	0505	54.9	0.00
1825	1.7	0.00	2350	183.0	0.02	0510	52.0	0.00
1830	1.8	0.01	2355	177.0	0.02	0515	50.6	0.01
1835	2.0	0.00	February 19, 1990			0520	48.6	0.00
1840	2.2	0.01	0000	172.0	0.02	0525	46.9	0.00
1845	2.4	0.01	0005	164.0	0.01	0530	45.2	0.00
1850	2.6	0.00	0010	155.0	0.00	0535	43.7	0.00
1855	2.8	0.01	0015	147.0	0.00	0540	42.6	0.01
1900	3.0	0.01	0020	138.0	0.02	0545	41.5	0.00
1905	3.6	0.01	0025	134.0	0.03	0550	39.8	0.00
1910	4.1	0.01	0030	131.0	0.05	0555	38.7	0.01
1915	4.7	0.00	0035	130.0	0.04	0600	37.7	0.00
1920	5.3	0.01	0040	127.0	0.03	0605	37.1	0.00
1925	5.9	0.01	0045	126.0	0.02	0610	36.1	0.01
1930	6.4	0.01	0050	126.0	0.01	0615	35.8	0.00
1935	7.0	0.02	0055	130.0	0.01	0620	35.0	0.01
1940	9.5	0.01	0100	133.0	0.01	0625	34.3	0.00
1945	10.7	0.01	0105	137.0	0.02	0630	34.0	0.01
1950	12.2	0.01	0110	140.0	0.02	0635	34.3	0.00
1955	13.7	0.01	0115	142.0	0.02	0640	33.8	0.01
2000	15.0	0.01	0120	144.0	0.04	0645	34.0	0.00
2005	16.7	0.01	0125	144.0	0.02	0650	33.8	0.01
2010	19.5	0.02	0130	141.0	0.01	0655	34.3	0.00
2015	21.9	0.01	0135	141.0	0.02	0700	33.8	0.01
2020	23.9	0.01	0140	141.0	0.03	0705	33.5	0.00
2025	25.8	0.01	0145	143.0	0.02	0710	33.0	0.00
2030	28.5	0.02	0150	143.0	0.01	0715	33.5	0.01
2035	31.4	0.02	0155	145.0	0.03	0720	33.5	0.00

Table 83.--Streamflow and rainfall at station 02166975, Sample Branch at Greenwood, February 18-19, 1990--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0725	33.3	0.00	1220	5.6	0.00	1715	1.4	0.00
0730	33.3	0.01	1225	5.6	0.00	1720	1.3	0.00
0735	32.7	0.00	1230	5.4	0.00	1725	1.3	0.00
0740	32.5	0.00	1235	5.3	0.00	1730	1.3	0.00
0745	32.2	0.00	1240	5.1	0.00	1735	1.3	0.00
0750	31.4	0.01	1245	5.0	0.00	1740	1.2	0.00
0755	31.4	0.00	1250	4.9	0.00	1745	1.2	0.00
0800	30.6	0.00	1255	4.8	0.01	1750	1.2	0.00
0805	30.1	0.00	1300	4.8	0.00	1755	1.2	0.00
0810	29.0	0.00	1305	4.7	0.00	1800	1.0	0.00
0815	28.5	0.00	1310	4.7	0.00	1805	1.0	0.00
0820	27.7	0.00	1315	4.6	0.00	1810	1.0	0.00
0825	26.9	0.01	1320	4.6	0.00	1815	1.0	0.00
0830	26.1	0.00	1325	4.5	0.00	1820	1.0	0.00
0835	25.3	0.00	1330	4.5	0.00	1825	1.0	0.00
0840	24.8	0.00	1335	4.5	0.00	1830	1.0	0.00
0845	24.2	0.00	1340	4.5	0.00	1835	0.9	0.00
0850	23.3	0.00	1345	4.4	0.00	1840	0.9	0.00
0855	22.5	0.00	1350	4.4	0.00	1845	0.9	0.00
0900	21.6	0.00	1355	4.4	0.00	1850	0.9	0.00
0905	20.8	0.00	1400	4.3	0.00	1855	0.9	0.00
0910	20.0	0.00	1405	4.3	0.00	1900	0.9	0.00
0915	19.5	0.00	1410	4.3	0.00	1905	0.9	0.00
0920	19.0	0.00	1415	4.2	0.00	1910	0.8	0.00
0925	18.2	0.01	1420	4.1	0.00	1915	0.8	0.00
0930	17.9	0.00	1425	3.9	0.00	1920	0.8	0.00
0935	17.7	0.00	1430	3.8	0.00	1925	0.8	0.00
0940	17.7	0.00	1435	3.6	0.00	1930	0.8	0.00
0945	16.9	0.00	1440	3.4	0.00	1935	0.8	0.00
0950	16.7	0.00	1445	3.3	0.00	1940	0.8	0.00
0955	16.2	0.00	1450	3.3	0.00	1945	0.8	0.00
1000	15.5	0.00	1455	3.1	0.00	1950	0.8	0.00
1005	15.0	0.00	1500	3.1	0.00	1955	0.7	0.00
1010	14.8	0.00	1505	3.0	0.00	2000	0.7	0.00
1015	14.6	0.00	1510	2.8	0.00	2005	0.7	0.00
1020	14.1	0.00	1515	2.8	0.00	2010	0.7	0.00
1025	13.9	0.00	1520	2.7	0.00	2015	0.7	0.00
1030	13.5	0.00	1525	2.7	0.00	2020	0.7	0.00
1035	13.2	0.00	1530	2.5	0.00	2025	0.7	0.00
1040	12.6	0.00	1535	2.3	0.00	2030	0.7	0.00
1045	12.6	0.00	1540	2.3	0.00	2035	0.7	0.00
1050	12.2	0.00	1545	2.2	0.00	2040	0.7	0.00
1055	12.0	0.00	1550	2.2	0.00	2045	0.7	0.00
1100	11.5	0.00	1555	2.1	0.00	2050	0.7	0.00
1105	11.3	0.00	1600	1.9	0.00	2055	0.6	0.00
1110	11.1	0.00	1605	1.9	0.00	2100	0.6	0.00
1115	10.9	0.00	1610	1.8	0.00	2105	0.6	0.00
1120	10.5	0.00	1615	1.8	0.00	2110	0.6	0.00
1125	9.7	0.00	1620	1.8	0.00	2115	0.6	0.00
1130	8.9	0.00	1625	1.7	0.00	2120	0.6	0.00
1135	8.2	0.00	1630	1.7	0.00	2125	0.6	0.00
1140	7.8	0.00	1635	1.7	0.00	2130	0.5	0.00
1145	7.2	0.00	1640	1.6	0.00	2135	0.5	0.00
1150	6.9	0.00	1645	1.6	0.00	2140	0.5	0.00
1155	6.5	0.00	1650	1.6	0.00	2145	0.5	0.00
1200	6.4	0.00	1655	1.4	0.00	2150	0.5	0.00
1205	6.0	0.00	1700	1.4	0.00	2155	0.5	0.00
1210	5.9	0.00	1705	1.4	0.00	2200	0.5	0.00
1215	5.7	0.00	1710	1.4	0.00			

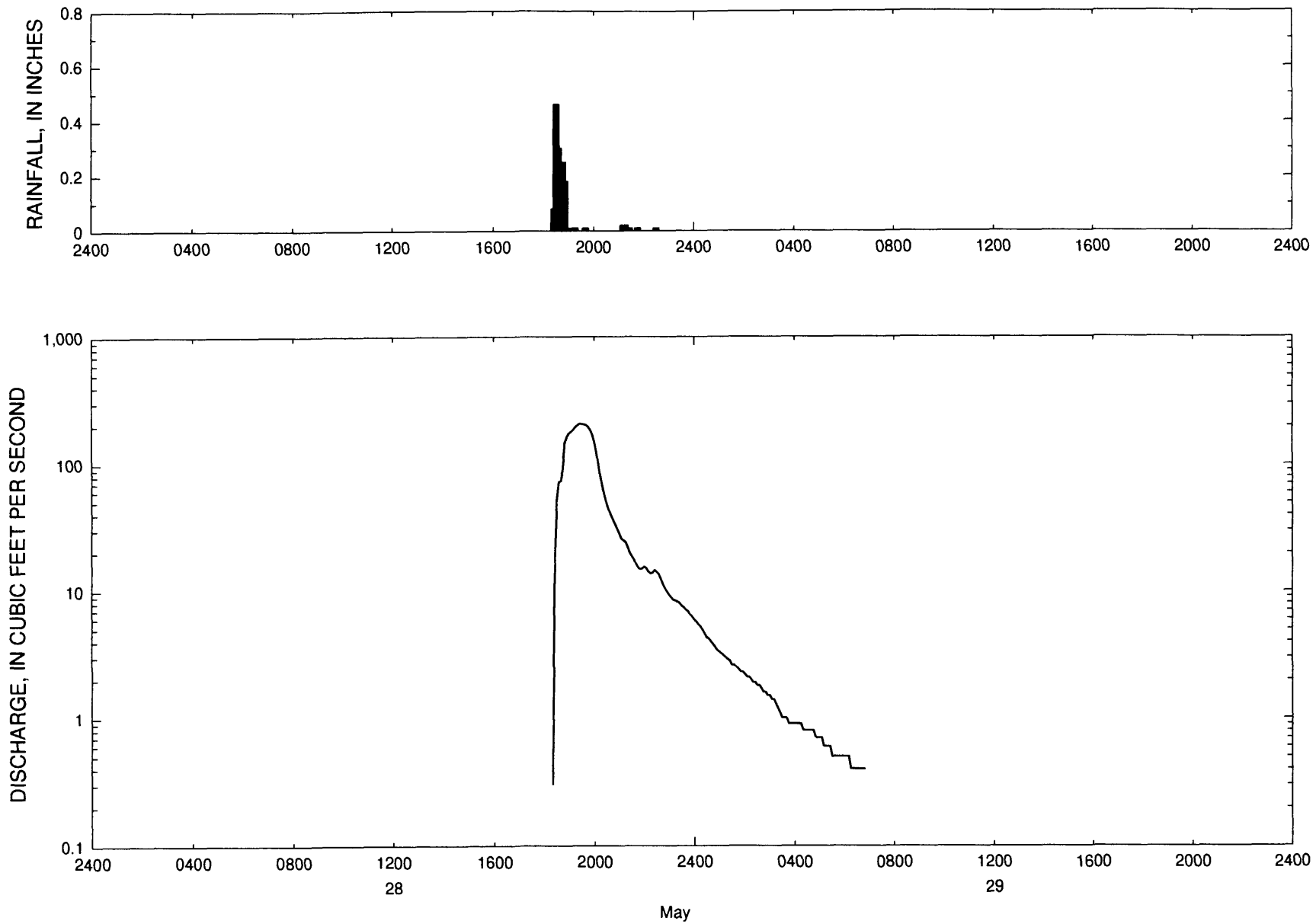


Figure 85.--Streamflow and rainfall at station 02166975, Sample Branch at Greenwood, May 28-29, 1990.

Table 84.--Streamflow and rainfall at station 02166975, Sample Branch at Greenwood, May 28-29, 1990

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
May 28, 1990			2235	13.5	0.00	0250	1.6	0.00
1820	0.3	0.00	2240	12.4	0.00	0255	1.5	0.00
1825	11.5	0.08	2245	11.3	0.00	0300	1.5	0.00
1830	51.4	0.46	2250	10.5	0.00	0305	1.4	0.00
1835	72.4	0.30	2255	9.9	0.00	0310	1.4	0.00
1840	73.4	0.07	2300	9.3	0.00	0315	1.3	0.00
1845	90.9	0.25	2305	8.9	0.00	0320	1.2	0.00
1850	147.0	0.18	2310	8.5	0.00	0325	1.1	0.00
1855	165.0	0.01	2315	8.4	0.00	0330	1.0	0.00
1900	176.0	0.00	2320	8.2	0.00	0335	1.0	0.00
1905	181.0	0.01	2325	8.0	0.00	0340	1.0	0.00
1910	187.0	0.00	2330	7.6	0.00	0345	0.9	0.00
1915	196.0	0.01	2335	7.4	0.00	0350	0.9	0.00
1920	203.0	0.00	2340	7.1	0.00	0355	0.9	0.00
1925	208.0	0.00	2345	6.9	0.00	0400	0.9	0.00
1930	207.0	0.00	2350	6.5	0.00	0405	0.9	0.00
1935	206.0	0.00	2355	6.2	0.00	0410	0.9	0.00
1940	203.0	0.01	May 29, 1990			0415	0.9	0.00
1945	197.0	0.00	0000	5.9	0.00	0420	0.8	0.00
1950	186.0	0.00	0005	5.7	0.00	0425	0.8	0.00
1955	171.0	0.00	0010	5.4	0.00	0430	0.8	0.00
2000	151.0	0.00	0015	5.2	0.00	0435	0.8	0.00
2005	126.0	0.00	0020	4.9	0.00	0440	0.8	0.00
2010	99.7	0.00	0025	4.6	0.00	0445	0.8	0.00
2015	77.8	0.00	0030	4.3	0.00	0450	0.7	0.00
2020	64.2	0.00	0035	4.2	0.00	0455	0.7	0.00
2025	55.1	0.00	0040	4.0	0.00	0500	0.7	0.00
2030	48.6	0.00	0045	3.8	0.00	0505	0.7	0.00
2035	43.4	0.00	0050	3.6	0.00	0510	0.6	0.00
2040	39.3	0.00	0055	3.4	0.00	0515	0.6	0.00
2045	36.1	0.00	0100	3.3	0.00	0520	0.6	0.00
2050	33.3	0.00	0105	3.2	0.00	0525	0.6	0.00
2055	30.6	0.00	0110	3.1	0.00	0530	0.5	0.00
2100	28.2	0.00	0115	3.0	0.00	0535	0.5	0.00
2105	25.8	0.00	0120	2.9	0.00	0540	0.5	0.00
2110	25.0	0.02	0125	2.8	0.00	0545	0.5	0.00
2115	24.2	0.02	0130	2.6	0.00	0550	0.5	0.00
2120	22.2	0.00	0135	2.6	0.00	0555	0.5	0.00
2125	20.0	0.01	0140	2.5	0.00	0600	0.5	0.00
2130	18.7	0.00	0145	2.4	0.00	0605	0.5	0.00
2135	17.7	0.00	0150	2.3	0.00	0610	0.5	0.00
2140	16.2	0.00	0155	2.3	0.00	0615	0.4	0.00
2145	15.2	0.01	0200	2.2	0.00	0620	0.4	0.00
2150	14.8	0.00	0205	2.1	0.00	0625	0.4	0.00
2155	15.0	0.00	0210	2.1	0.00	0630	0.4	0.00
2200	15.5	0.00	0215	2.0	0.00	0635	0.4	0.00
2205	15.0	0.00	0220	1.9	0.00	0640	0.4	0.00
2210	14.1	0.00	0225	1.9	0.00	0645	0.4	0.00
2215	13.7	0.00	0230	1.8	0.00	0650	0.4	0.00
2220	13.9	0.00	0235	1.8	0.00	0655	0.4	0.00
2225	14.6	0.00	0240	1.7	0.00	0700	0.4	0.00
2230	14.1	0.01	0245	1.6	0.00			

Station 02167020, Crane Creek Tributary at Columbia, S.C.

Location.--Lat 34°03'02", long 81°02'05", Richland County, Hydrologic Unit 03050106, at culvert on Carola Street (State secondary road 876), 0.3 mi north of Columbia College, and 1.3 mi upstream from the mouth at Crane Creek.

Period of record.-- October 9, 1985 to October 11, 1989.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to a free-standing platform located on the right bank approximately 8 ft upstream from the single 4.0 ft reinforced concrete pipe culvert. An enameled staff gage is attached to the platform. A crest-stage indicator is located on the downstream left bank near the culvert exit.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 15.1 ft^3/s. The stage-streamflow relation was extended to 200 ft^3/s using indirect computational methods.

Rain gage and location.--Station 340253081021800, lat 34°02'53", long 81°02'18". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval near the Eau Clare High School recreation field on Columbia College Road (State secondary road 124), and 3.2 mi north of the State Capitol Building.

Selected basin characteristics.--

Drainage area -- 0.28 mi^2
Physiographic province -- Inner Coastal Plain
Channel slope -- 196.0 ft/mi
Channel length -- 0.69 mi
Total impervious area -- 40.0 percent
Basin development factor -- 8
2-year, 2-hour rainfall amount -- 2.10 in.

Flood frequency data:	UQ_2	161 ft^3/s
	UQ_5	260 ft^3/s
	UQ_{10}	323 ft^3/s
	UQ_{25}	396 ft^3/s
	UQ_{50}	445 ft^3/s
	UQ_{100}	491 ft^3/s
	UQ_{500}	584 ft^3/s

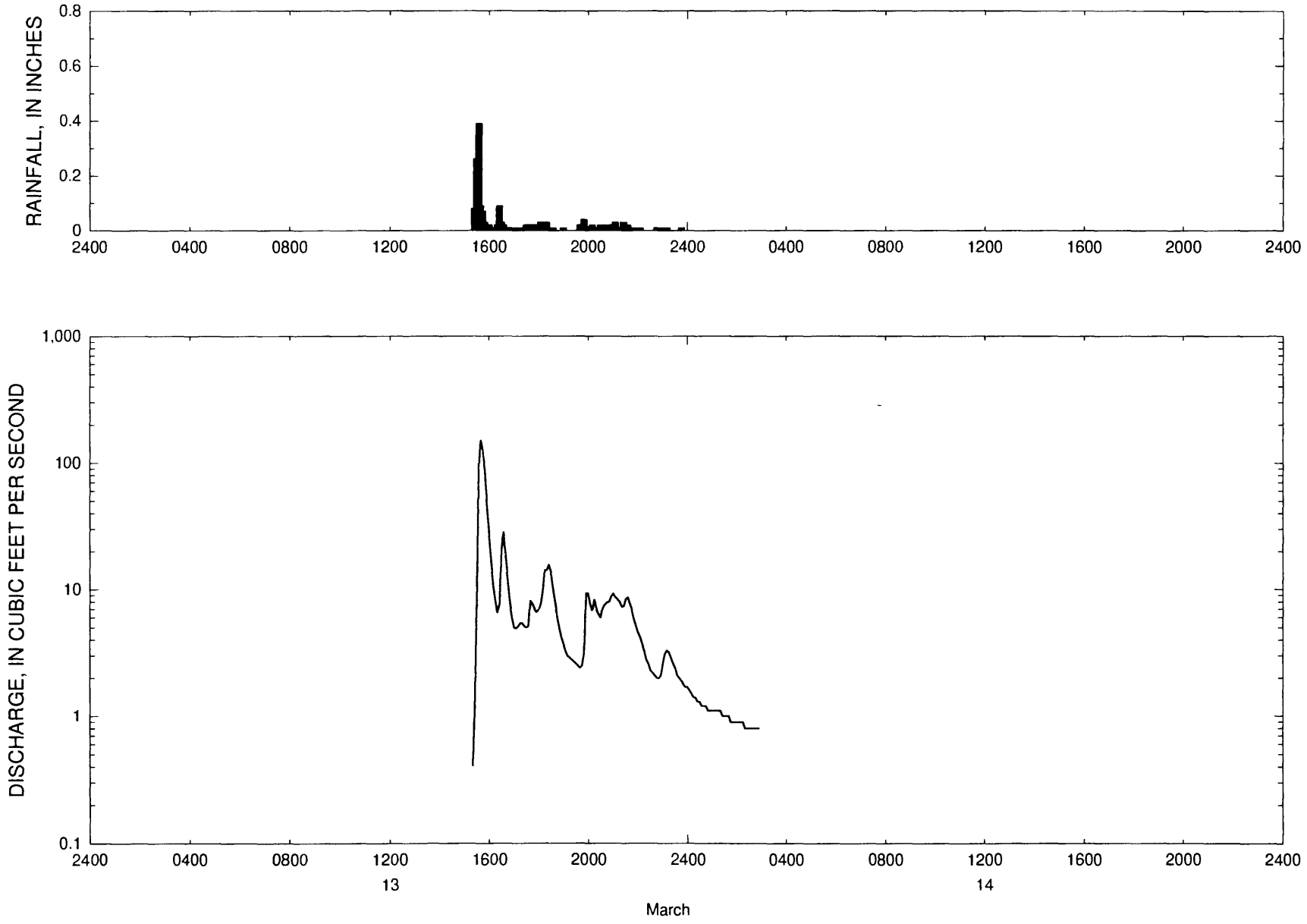


Figure 86.--Streamflow and rainfall at station 02167020, Crane Creek tributary at Columbia, March 13-14, 1986.

Table 85.--Streamflow and rainfall at station 02167020, Crane Creek tributary at Columbia, March 13-14, 1986

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
March 13, 1986			1915	2.9	0.00	2315	3.2	0.00
1520	0.4	0.00	1920	2.8	0.00	2320	2.9	0.00
1525	1.3	0.08	1925	2.7	0.00	2325	2.6	0.00
1530	8.3	0.26	1930	2.6	0.00	2330	2.4	0.00
1535	93.9	0.39	1935	2.5	0.00	2335	2.1	0.00
1540	152.0	0.09	1940	2.4	0.02	2340	2.0	0.00
1545	127.0	0.07	1945	2.5	0.01	2345	1.9	0.01
1550	88.6	0.03	1950	3.1	0.04	2350	1.8	0.00
1555	47.6	0.01	1955	9.3	0.00	2355	1.7	0.00
1600	27.8	0.02	2000	9.3	0.00	March 14, 1986		
1605	16.7	0.00	2005	7.6	0.01	0000	1.7	0.00
1610	10.6	0.00	2010	6.8	0.02	0005	1.6	0.00
1615	7.9	0.01	2015	8.3	0.00	0010	1.5	0.00
1620	6.5	0.02	2020	7.0	0.01	0015	1.4	0.00
1625	7.7	0.09	2025	6.4	0.01	0020	1.4	0.00
1630	19.8	0.03	2030	6.0	0.02	0025	1.3	0.00
1635	28.3	0.02	2035	7.2	0.01	0030	1.3	0.00
1640	19.1	0.00	2040	7.6	0.02	0035	1.2	0.00
1645	11.8	0.00	2045	7.9	0.01	0040	1.2	0.00
1650	7.9	0.01	2050	8.0	0.02	0045	1.2	0.00
1655	6.0	0.00	2055	8.8	0.02	0050	1.1	0.00
1700	5.0	0.01	2100	9.3	0.00	0055	1.1	0.00
1705	4.9	0.01	2105	8.7	0.03	0100	1.1	0.00
1710	5.1	0.01	2110	8.4	0.00	0105	1.1	0.00
1715	5.4	0.01	2115	8.0	0.01	0110	1.1	0.00
1720	5.4	0.01	2120	7.3	0.01	0115	1.1	0.00
1725	5.1	0.00	2125	7.4	0.03	0120	1.1	0.00
1730	5.0	0.02	2130	8.4	0.00	0125	1.0	0.00
1735	5.1	0.02	2135	8.7	0.02	0130	1.0	0.00
1740	8.1	0.01	2140	7.7	0.00	0135	1.0	0.00
1745	7.7	0.00	2145	6.9	0.00	0140	1.0	0.00
1750	7.0	0.02	2150	5.9	0.01	0145	0.9	0.00
1755	6.6	0.01	2155	5.2	0.00	0150	0.9	0.00
1800	6.9	0.01	2200	4.6	0.00	0155	0.9	0.00
1805	7.7	0.03	2205	4.2	0.01	0200	0.9	0.00
1810	9.8	0.03	2210	3.7	0.00	0205	0.9	0.00
1815	14.2	0.02	2215	3.3	0.00	0210	0.9	0.00
1820	14.2	0.03	2220	2.8	0.00	0215	0.9	0.00
1825	15.7	0.01	2225	2.6	0.00	0220	0.8	0.00
1830	13.7	0.01	2230	2.3	0.00	0225	0.8	0.00
1835	10.3	0.01	2235	2.2	0.00	0230	0.8	0.00
1840	7.9	0.00	2240	2.1	0.00	0235	0.8	0.00
1845	6.1	0.00	2245	2.0	0.01	0240	0.8	0.00
1850	5.0	0.00	2250	2.0	0.00	0245	0.8	0.00
1855	4.2	0.00	2255	2.1	0.01	0250	0.8	0.00
1900	3.7	0.01	2300	2.6	0.00	0255	0.8	0.00
1905	3.3	0.00	2305	3.1	0.00	0300	0.8	0.00
1910	3.0	0.00	2310	3.3	0.01			

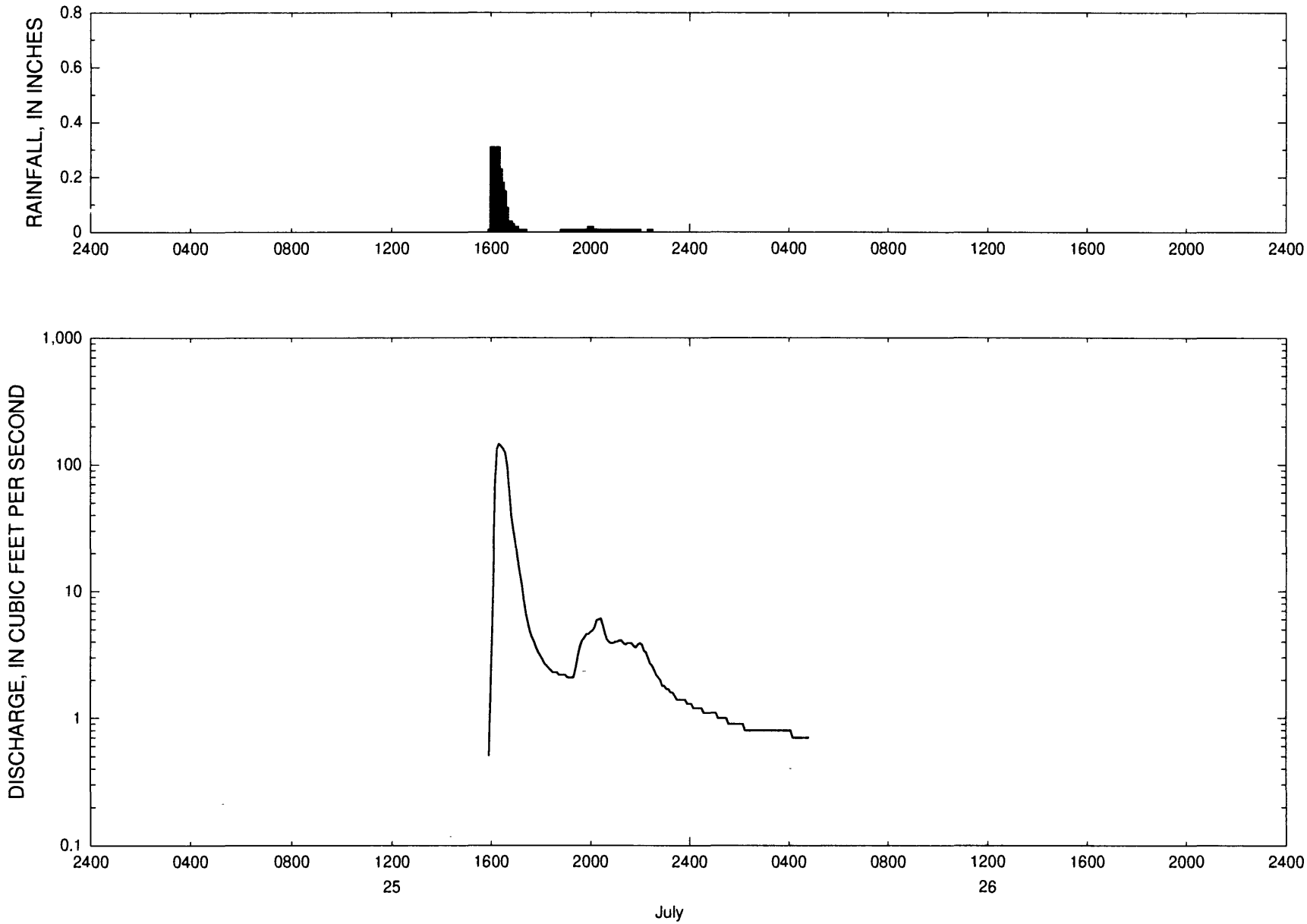


Figure 87.--Streamflow and rainfall at station 02167020, Crane Creek tributary at Columbia, July 25-26, 1986.

Table 86.--Streamflow and rainfall at station 02167020, Crane Creek tributary at Columbia, July 25-26, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 25, 1986			2020	6.0	0.00	0045	1.1	0.00
1555	0.5	0.00	2025	6.1	0.01	0050	1.1	0.00
1600	2.2	0.01	2030	5.4	0.00	0055	1.1	0.00
1605	9.7	0.31	2035	4.7	0.01	0100	1.1	0.00
1610	66.7	0.27	2040	4.2	0.01	0105	1.1	0.00
1615	134.0	0.31	2045	4.0	0.00	0110	1.0	0.00
1620	146.0	0.23	2050	3.9	0.01	0115	1.0	0.00
1625	140.0	0.18	2055	3.9	0.00	0120	1.0	0.00
1630	133.0	0.15	2100	4.0	0.01	0125	1.0	0.00
1635	124.0	0.09	2105	4.0	0.01	0130	1.0	0.00
1640	98.3	0.04	2110	4.1	0.00	0135	0.9	0.00
1645	60.9	0.04	2115	4.1	0.01	0140	0.9	0.00
1650	39.4	0.03	2120	3.9	0.01	0145	0.9	0.00
1655	30.7	0.02	2125	3.8	0.01	0150	0.9	0.00
1700	24.3	0.02	2130	3.9	0.00	0155	0.9	0.00
1705	18.1	0.01	2135	3.9	0.01	0200	0.9	0.00
1710	13.9	0.00	2140	3.9	0.00	0205	0.9	0.00
1715	11.3	0.00	2145	3.7	0.01	0210	0.9	0.00
1720	8.5	0.01	2150	3.6	0.00	0215	0.8	0.00
1725	6.6	0.00	2155	3.8	0.01	0220	0.8	0.00
1730	5.6	0.00	2200	3.9	0.00	0225	0.8	0.00
1735	4.8	0.00	2205	3.8	0.00	0230	0.8	0.00
1740	4.3	0.00	2210	3.4	0.00	0235	0.8	0.00
1745	4.0	0.00	2215	3.3	0.00	0240	0.8	0.00
1750	3.6	0.00	2220	3.0	0.00	0245	0.8	0.00
1755	3.3	0.00	2225	2.7	0.01	0250	0.8	0.00
1800	3.1	0.00	2230	2.6	0.00	0255	0.8	0.00
1805	2.9	0.00	2235	2.4	0.00	0300	0.8	0.00
1810	2.7	0.00	2240	2.2	0.00	0305	0.8	0.00
1815	2.6	0.00	2245	2.1	0.00	0310	0.8	0.00
1820	2.5	0.00	2250	2.0	0.00	0315	0.8	0.00
1825	2.4	0.00	2255	1.8	0.00	0320	0.8	0.00
1830	2.3	0.00	2300	1.8	0.00	0325	0.8	0.00
1835	2.3	0.00	2305	1.7	0.00	0330	0.8	0.00
1840	2.3	0.00	2310	1.7	0.00	0335	0.8	0.00
1845	2.2	0.00	2315	1.6	0.00	0340	0.8	0.00
1850	2.2	0.00	2320	1.6	0.00	0345	0.8	0.00
1855	2.2	0.01	2325	1.5	0.00	0350	0.8	0.00
1900	2.2	0.00	2330	1.4	0.00	0355	0.8	0.00
1905	2.1	0.01	2335	1.4	0.00	0400	0.8	0.00
1910	2.1	0.01	2340	1.4	0.00	0405	0.8	0.00
1915	2.1	0.01	2345	1.4	0.00	0410	0.7	0.00
1920	2.1	0.01	2350	1.4	0.00	0415	0.7	0.00
1925	2.5	0.01	2355	1.3	0.00	0420	0.7	0.00
1930	3.1	0.01	July 26, 1986			0425	0.7	0.00
1935	3.7	0.00	0000	1.3	0.00	0430	0.7	0.00
1940	4.1	0.01	0005	1.3	0.00	0435	0.7	0.00
1945	4.3	0.01	0010	1.2	0.00	0440	0.7	0.00
1950	4.6	0.01	0015	1.2	0.00	0445	0.7	0.00
1955	4.6	0.01	0020	1.2	0.00	0450	0.7	0.00
2000	4.8	0.02	0025	1.2	0.00	0455	0.7	0.00
2005	4.9	0.01	0030	1.2	0.00	0500	0.7	0.00
2010	5.2	0.01	0035	1.1	0.00			
2015	5.9	0.01	0040	1.1	0.00			

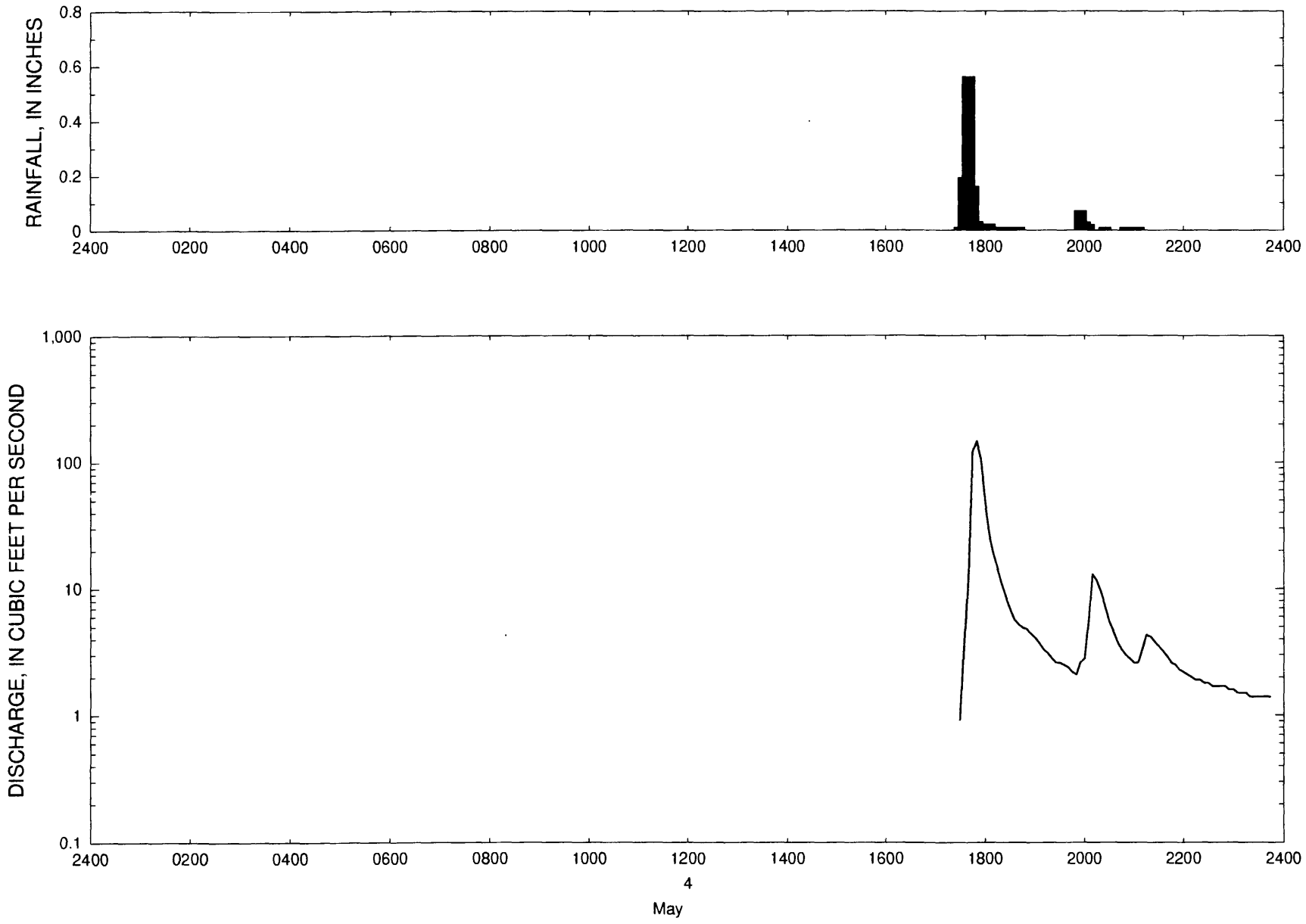


Figure 88.--Streamflow and rainfall at station 02167020, Crane Creek tributary at Columbia, May 4, 1987.

Table 87.--Streamflow and rainfall at station 02167020, Crane Creek tributary at Columbia, May 4, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
May 4, 1987			1940	2.4	0.00	2155	2.3	0.00
1730	0.9	0.01	1945	2.2	0.00	2200	2.2	0.00
1735	3.6	0.19	1950	2.1	0.00	2205	2.1	0.00
1740	12.3	0.56	1955	2.6	0.07	2210	2.0	0.00
1745	121.0	0.16	2000	2.8	0.03	2215	1.9	0.00
1750	147.0	0.03	2005	5.7	0.02	2220	1.9	0.00
1755	106.0	0.01	2010	13.0	0.00	2225	1.8	0.00
1800	47.9	0.02	2015	11.6	0.00	2230	1.8	0.00
1805	26.4	0.02	2020	9.4	0.00	2235	1.7	0.00
1810	18.9	0.01	2025	7.3	0.01	2240	1.7	0.00
1815	14.4	0.00	2030	5.5	0.00	2245	1.7	0.00
1820	10.9	0.01	2035	4.6	0.00	2250	1.7	0.00
1825	8.5	0.00	2040	3.8	0.00	2255	1.6	0.00
1830	6.9	0.01	2045	3.3	0.00	2300	1.6	0.00
1835	5.7	0.00	2050	3.0	0.01	2305	1.5	0.00
1840	5.2	0.01	2055	2.8	0.01	2310	1.5	0.00
1845	4.9	0.00	2100	2.6	0.01	2315	1.5	0.00
1850	4.8	0.00	2105	2.6	0.01	2320	1.4	0.00
1855	4.4	0.00	2110	3.3	0.00	2325	1.4	0.00
1900	4.1	0.00	2115	4.3	0.00	2330	1.4	0.00
1905	3.7	0.00	2120	4.2	0.00	2335	1.4	0.00
1910	3.3	0.00	2125	3.8	0.00	2340	1.4	0.00
1915	3.1	0.00	2130	3.5	0.00	2345	1.4	0.00
1920	2.8	0.00	2135	3.2	0.00	2350	1.4	0.00
1925	2.6	0.00	2140	2.9	0.00	2355	1.4	0.00
1930	2.6	0.00	2145	2.6	0.00			
1935	2.5	0.00	2150	2.5	0.00			

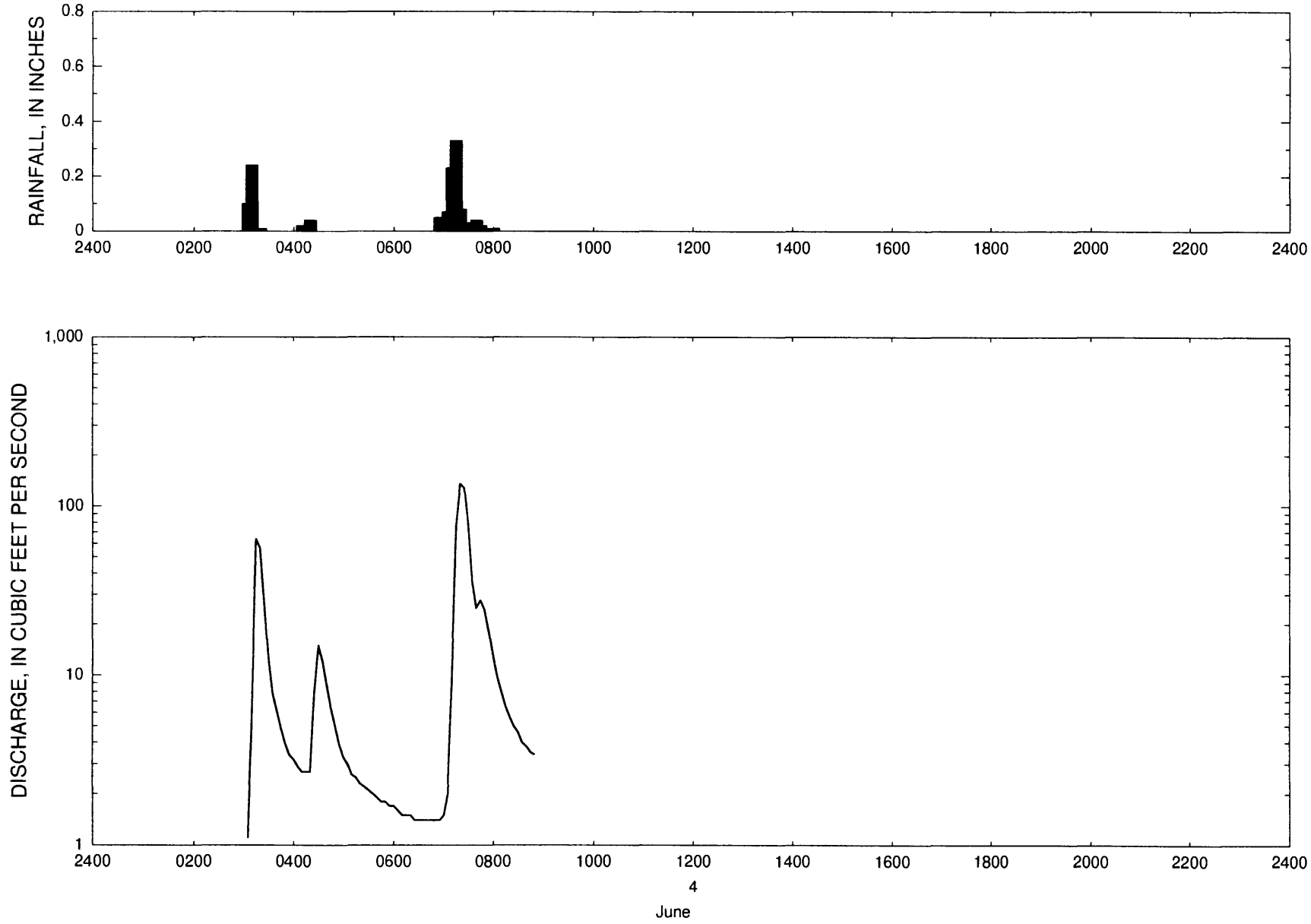


Figure 89.--Streamflow and rainfall at station 02167020, Crane Creek tributary at Columbia, June 4, 1987.

Table 88.--Streamflow and rainfall at station 02167020, Crane Creek tributary at Columbia, June 4, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 4, 1987			0505	3.0	0.00	0710	8.5	0.23
0305	1.1	0.10	0510	2.6	0.00	0715	76.0	0.33
0310	5.2	0.24	0515	2.5	0.00	0720	136.0	0.08
0315	64.2	0.01	0520	2.3	0.00	0725	128.0	0.03
0320	56.6	0.01	0525	2.2	0.00	0730	77.0	0.01
0325	25.9	0.00	0530	2.1	0.00	0735	35.9	0.03
0330	12.8	0.00	0535	2.0	0.00	0740	25.0	0.04
0335	8.0	0.00	0540	1.9	0.00	0745	27.8	0.02
0340	6.2	0.00	0545	1.8	0.00	0750	24.5	0.01
0345	4.9	0.00	0550	1.8	0.00	0755	18.3	0.00
0350	4.0	0.00	0555	1.7	0.00	0800	13.0	0.01
0355	3.4	0.00	0600	1.7	0.00	0805	9.8	0.00
0400	3.2	0.00	0605	1.6	0.00	0810	8.0	0.00
0405	2.9	0.00	0610	1.5	0.00	0815	6.6	0.00
0410	2.7	0.02	0615	1.5	0.00	0820	5.7	0.00
0415	2.7	0.02	0620	1.5	0.00	0825	5.0	0.00
0420	2.7	0.04	0625	1.4	0.00	0830	4.6	0.00
0425	7.9	0.00	0630	1.4	0.00	0835	4.0	0.00
0430	15.0	0.00	0635	1.4	0.00	0840	3.8	0.00
0435	12.1	0.00	0640	1.4	0.00	0845	3.5	0.00
0440	8.7	0.00	0645	1.4	0.00	0850	3.4	0.00
0445	6.4	0.00	0650	1.4	0.00	0855	3.3	0.00
0450	5.0	0.00	0655	1.4	0.05	0900	3.2	0.00
0455	3.9	0.00	0700	1.5	0.00			
0500	3.3	0.00	0705	2.0	0.07			

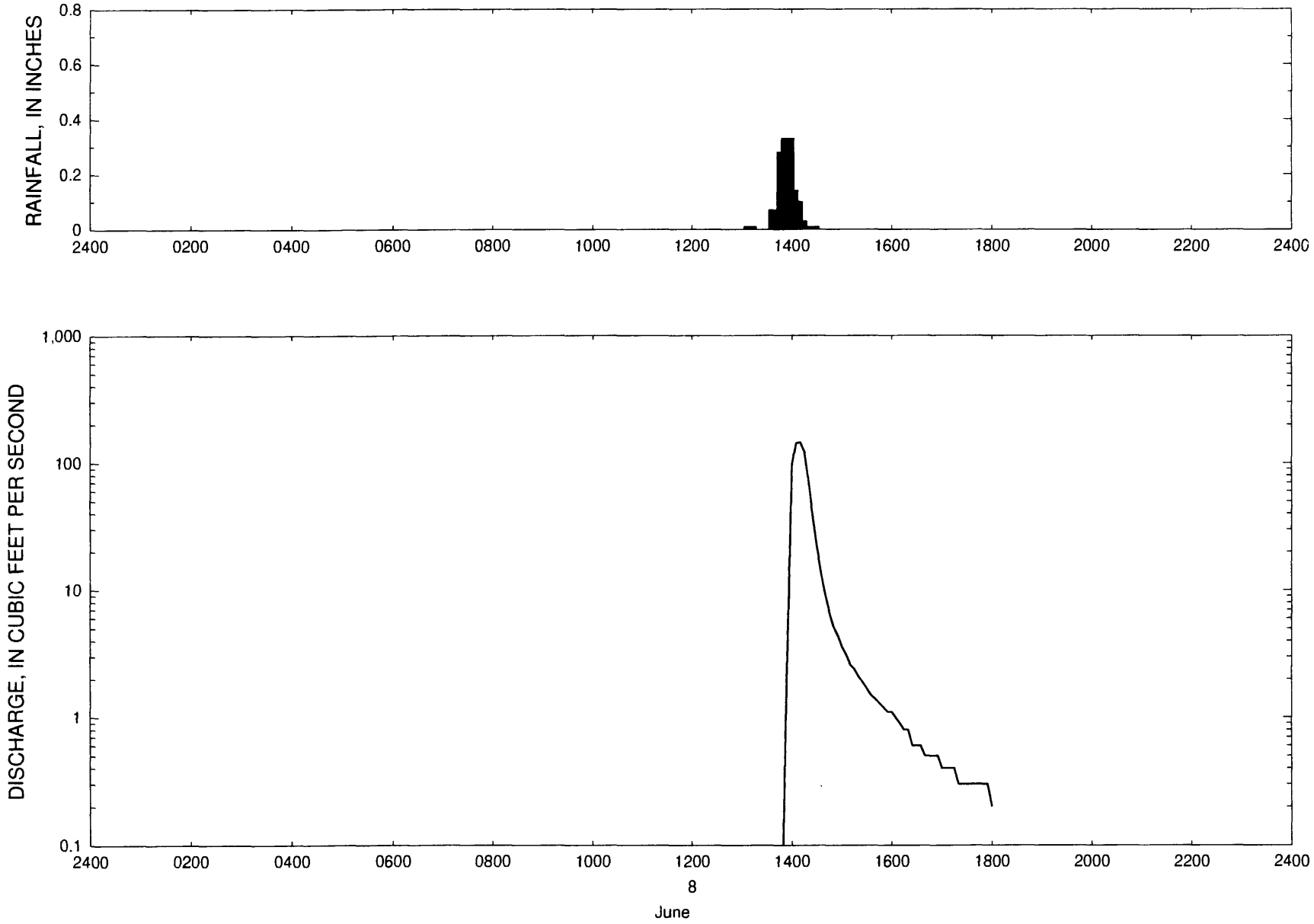


Figure 90.--Streamflow and rainfall at station 02167020, Crane Creek tributary at Columbia, June 8, 1988.

Table 89.--Streamflow and rainfall at station 02167020, Crane Creek tributary at Columbia, June 8, 1988

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 8, 1988			1445	6.8	0.00	1625	0.6	0.00
1310	0.1	0.01	1450	5.2	0.00	1630	0.6	0.00
1315	0.1	0.00	1455	4.4	0.00	1635	0.6	0.00
1320	0.1	0.00	1500	3.6	0.00	1640	0.5	0.00
1325	0.1	0.00	1505	3.1	0.00	1645	0.5	0.00
1330	0.1	0.00	1510	2.6	0.00	1650	0.5	0.00
1335	0.1	0.00	1515	2.4	0.00	1655	0.5	0.00
1340	0.1	0.07	1520	2.1	0.00	1700	0.4	0.00
1345	0.1	0.05	1525	1.9	0.00	1705	0.4	0.00
1350	0.1	0.28	1530	1.7	0.00	1710	0.4	0.00
1355	3.3	0.33	1535	1.5	0.00	1715	0.4	0.00
1400	95.3	0.14	1540	1.4	0.00	1720	0.3	0.00
1405	143.0	0.10	1545	1.3	0.00	1725	0.3	0.00
1410	146.0	0.03	1550	1.2	0.00	1730	0.3	0.00
1415	120.0	0.01	1555	1.1	0.00	1735	0.3	0.00
1420	69.8	0.01	1600	1.1	0.00	1740	0.3	0.00
1425	37.5	0.01	1605	1.0	0.00	1745	0.3	0.00
1430	21.7	0.00	1610	0.9	0.00	1750	0.3	0.00
1435	13.9	0.00	1615	0.8	0.00	1755	0.3	0.00
1440	9.3	0.00	1620	0.8	0.00	1800	0.2	0.00

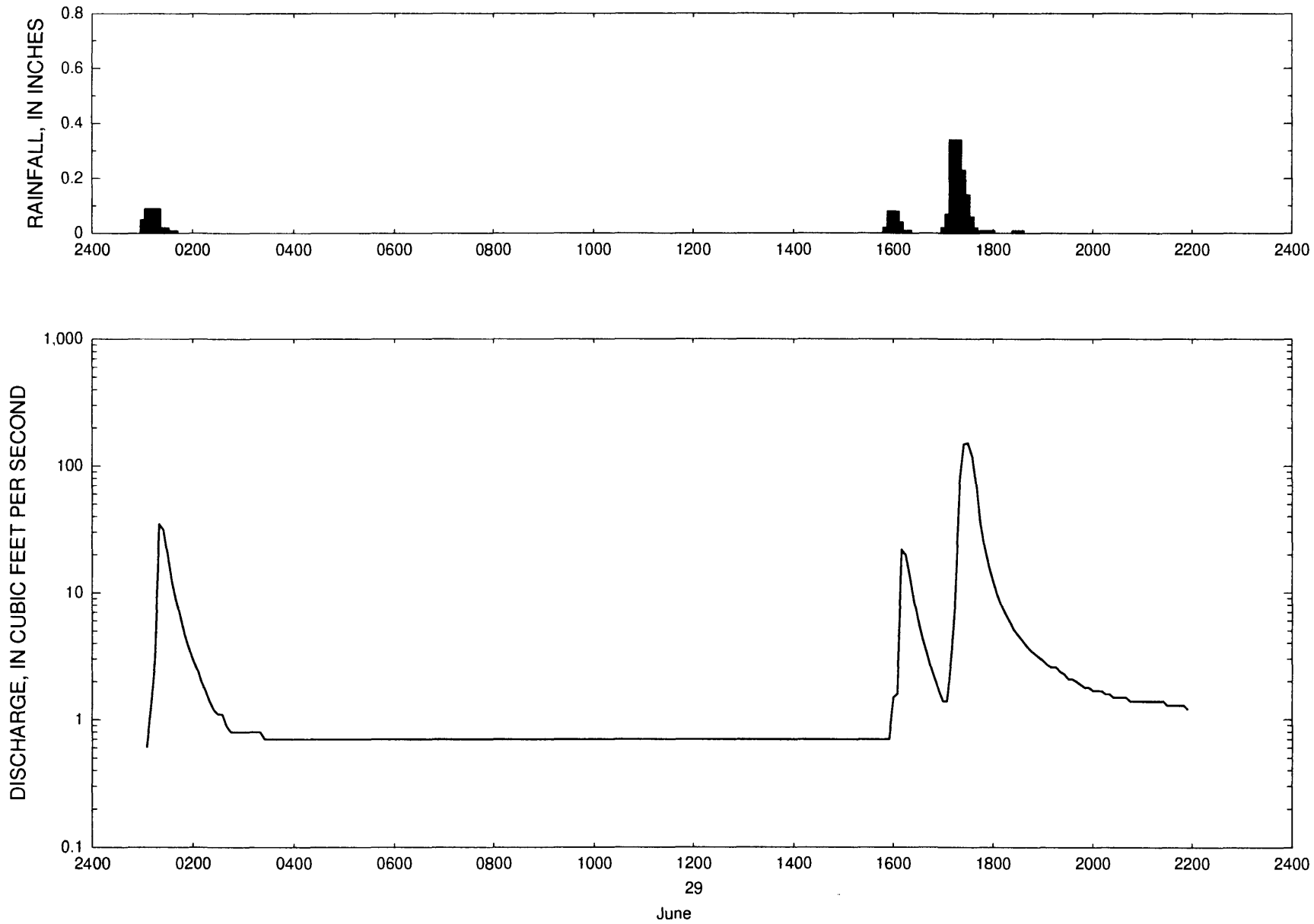


Figure 91.--Streamflow and rainfall at station 02167020, Crane Creek tributary at Columbia, June 29, 1989.

Table 90.--Streamflow and rainfall at station 02167020, Crane Creek tributary at Columbia, June 29, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 29, 1989			0625	0.7	0.00	1150	0.7	0.00
0105	0.6	0.05	0630	0.7	0.00	1155	0.7	0.00
0110	1.2	0.09	0635	0.7	0.00	1200	0.7	0.00
0115	2.9	0.09	0640	0.7	0.00	1205	0.7	0.00
0120	34.8	0.02	0645	0.7	0.00	1210	0.7	0.00
0125	31.5	0.02	0650	0.7	0.00	1215	0.7	0.00
0130	20.2	0.00	0655	0.7	0.00	1220	0.7	0.00
0135	12.6	0.01	0700	0.7	0.00	1225	0.7	0.00
0140	8.7	0.00	0705	0.7	0.00	1230	0.7	0.00
0145	6.4	0.00	0710	0.7	0.00	1235	0.7	0.00
0150	4.7	0.00	0715	0.7	0.00	1240	0.7	0.00
0155	3.7	0.00	0720	0.7	0.00	1245	0.7	0.00
0200	3.0	0.00	0725	0.7	0.00	1250	0.7	0.00
0205	2.5	0.00	0730	0.7	0.00	1255	0.7	0.00
0210	2.0	0.00	0735	0.7	0.00	1300	0.7	0.00
0215	1.7	0.00	0740	0.7	0.00	1305	0.7	0.00
0220	1.4	0.00	0745	0.7	0.00	1310	0.7	0.00
0225	1.2	0.00	0750	0.7	0.00	1315	0.7	0.00
0230	1.1	0.00	0755	0.7	0.00	1320	0.7	0.00
0235	1.1	0.00	0800	0.7	0.00	1325	0.7	0.00
0240	0.9	0.00	0805	0.7	0.00	1330	0.7	0.00
0245	0.8	0.00	0810	0.7	0.00	1335	0.7	0.00
0250	0.8	0.00	0815	0.7	0.00	1340	0.7	0.00
0255	0.8	0.00	0820	0.7	0.00	1345	0.7	0.00
0300	0.8	0.00	0825	0.7	0.00	1350	0.7	0.00
0305	0.8	0.00	0830	0.7	0.00	1355	0.7	0.00
0310	0.8	0.00	0835	0.7	0.00	1400	0.7	0.00
0315	0.8	0.00	0840	0.7	0.00	1405	0.7	0.00
0320	0.8	0.00	0845	0.7	0.00	1410	0.7	0.00
0325	0.7	0.00	0850	0.7	0.00	1415	0.7	0.00
0330	0.7	0.00	0855	0.7	0.00	1420	0.7	0.00
0335	0.7	0.00	0900	0.7	0.00	1425	0.7	0.00
0340	0.7	0.00	0905	0.7	0.00	1430	0.7	0.00
0345	0.7	0.00	0910	0.7	0.00	1435	0.7	0.00
0350	0.7	0.00	0915	0.7	0.00	1440	0.7	0.00
0355	0.7	0.00	0920	0.7	0.00	1445	0.7	0.00
0400	0.7	0.00	0925	0.7	0.00	1450	0.7	0.00
0405	0.7	0.00	0930	0.7	0.00	1455	0.7	0.00
0410	0.7	0.00	0935	0.7	0.00	1500	0.7	0.00
0415	0.7	0.00	0940	0.7	0.00	1505	0.7	0.00
0420	0.7	0.00	0945	0.7	0.00	1510	0.7	0.00
0425	0.7	0.00	0950	0.7	0.00	1515	0.7	0.00
0430	0.7	0.00	0955	0.7	0.00	1520	0.7	0.00
0435	0.7	0.00	1000	0.7	0.00	1525	0.7	0.00
0440	0.7	0.00	1005	0.7	0.00	1530	0.7	0.00
0445	0.7	0.00	1010	0.7	0.00	1535	0.7	0.00
0450	0.7	0.00	1015	0.7	0.00	1540	0.7	0.00
0455	0.7	0.00	1020	0.7	0.00	1545	0.7	0.00
0500	0.7	0.00	1025	0.7	0.00	1550	0.7	0.00
0505	0.7	0.00	1030	0.7	0.00	1555	0.7	0.02
0510	0.7	0.00	1035	0.7	0.00	1600	1.5	0.08
0515	0.7	0.00	1040	0.7	0.00	1605	1.6	0.04
0520	0.7	0.00	1045	0.7	0.00	1610	21.9	0.00
0525	0.7	0.00	1050	0.7	0.00	1615	19.8	0.01
0530	0.7	0.00	1055	0.7	0.00	1620	13.3	0.00
0535	0.7	0.00	1100	0.7	0.00	1625	8.5	0.00
0540	0.7	0.00	1105	0.7	0.00	1630	6.1	0.00
0545	0.7	0.00	1110	0.7	0.00	1635	4.4	0.00
0550	0.7	0.00	1115	0.7	0.00	1640	3.4	0.00
0555	0.7	0.00	1120	0.7	0.00	1645	2.6	0.00
0600	0.7	0.00	1125	0.7	0.00	1650	2.1	0.00
0605	0.7	0.00	1130	0.7	0.00	1655	1.7	0.00
0610	0.7	0.00	1135	0.7	0.00	1700	1.4	0.00
0615	0.7	0.00	1140	0.7	0.00	1705	1.4	0.02
0620	0.7	0.00	1145	0.7	0.00	1710	3.0	0.07

Table 90.--Streamflow and rainfall at station 02167020, Crane Creek tributary at Columbia, June 29, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1715	9.5	0.34	1855	3.1	0.00	2035	1.5	0.00
1720	74.7	0.23	1900	2.9	0.00	2040	1.5	0.00
1725	149.0	0.14	1905	2.7	0.00	2045	1.4	0.00
1730	152.0	0.06	1910	2.6	0.00	2050	1.4	0.00
1735	120.0	0.02	1915	2.6	0.00	2055	1.4	0.00
1740	70.8	0.01	1920	2.4	0.00	2100	1.4	0.00
1745	35.3	0.00	1925	2.3	0.00	2105	1.4	0.00
1750	22.8	0.01	1930	2.1	0.00	2110	1.4	0.00
1755	16.3	0.01	1935	2.1	0.00	2115	1.4	0.00
1800	12.4	0.00	1940	2.0	0.00	2120	1.4	0.00
1805	9.7	0.00	1945	1.9	0.00	2125	1.4	0.00
1810	8.0	0.00	1950	1.8	0.00	2130	1.3	0.00
1815	6.8	0.00	1955	1.8	0.00	2135	1.3	0.00
1820	5.9	0.00	2000	1.7	0.00	2140	1.3	0.00
1825	5.1	0.00	2005	1.7	0.00	2145	1.3	0.00
1830	4.6	0.01	2010	1.7	0.00	2150	1.3	0.00
1835	4.2	0.00	2015	1.6	0.00	2155	1.2	0.00
1840	3.8	0.00	2020	1.6	0.00	2200	1.2	0.00
1845	3.5	0.00	2025	1.5	0.00			
1850	3.3	0.00	2030	1.5	0.00			

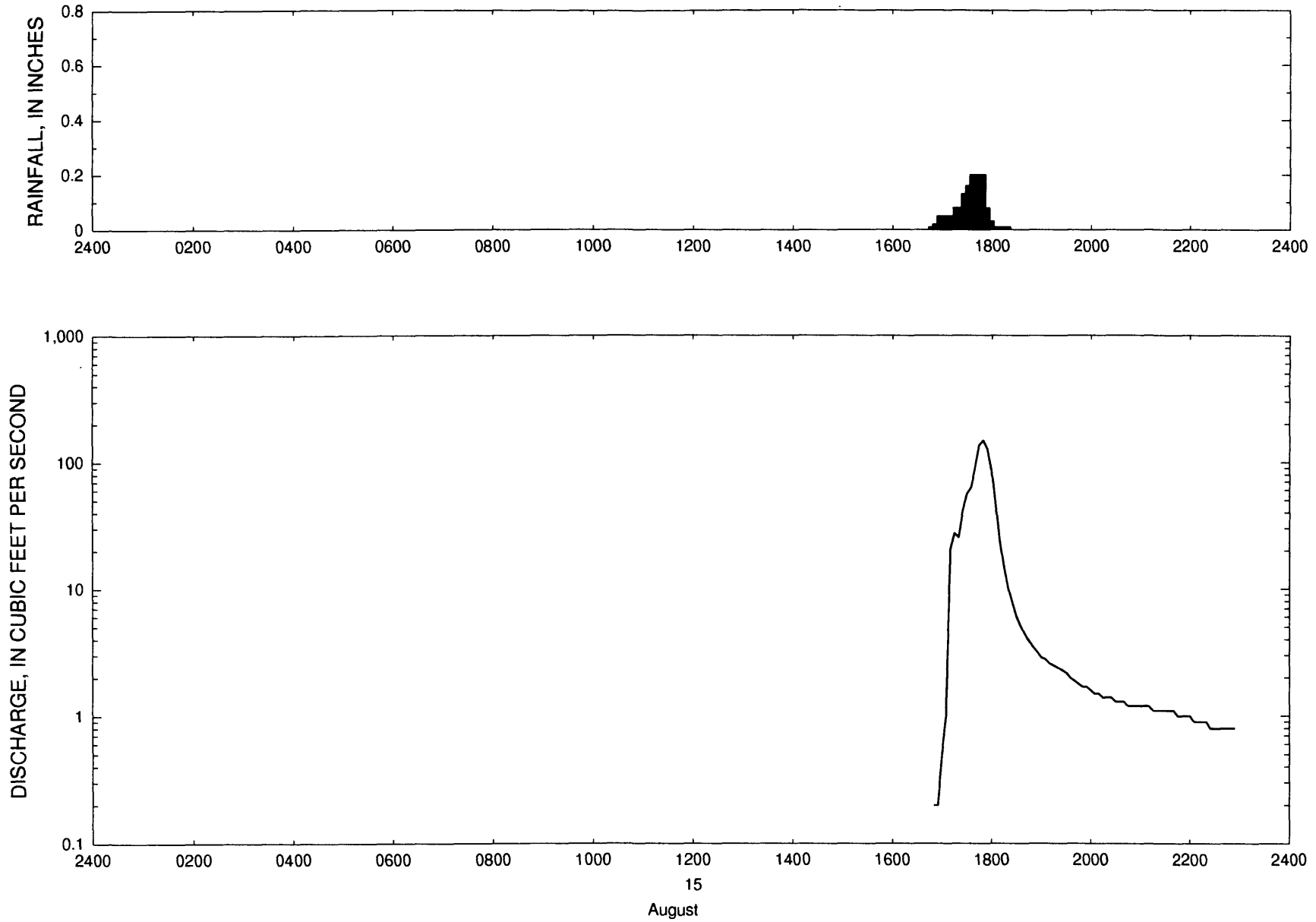


Figure 92.--Streamflow and rainfall at station 02167020, Crane Creek tributary at Columbia, August 15, 1989.

Table 91.--Streamflow and rainfall at station 02167020, Crane Creek tributary at Columbia, August 15, 1989

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
August 15, 1989			1855	3.2	0.00	2105	1.2	0.00
1650	0.2	0.01	1900	2.9	0.00	2110	1.2	0.00
1655	0.2	0.02	1905	2.8	0.00	2115	1.1	0.00
1700	0.5	0.05	1910	2.6	0.00	2120	1.1	0.00
1705	1.0	0.05	1915	2.5	0.00	2125	1.1	0.00
1710	20.4	0.03	1920	2.4	0.00	2130	1.1	0.00
1715	27.6	0.04	1925	2.3	0.00	2135	1.1	0.00
1720	25.5	0.08	1930	2.2	0.00	2140	1.1	0.00
1725	41.1	0.07	1935	2.0	0.00	2145	1.0	0.00
1730	56.0	0.13	1940	1.9	0.00	2150	1.0	0.00
1735	63.3	0.16	1945	1.8	0.00	2155	1.0	0.00
1740	90.3	0.20	1950	1.7	0.00	2200	1.0	0.00
1745	137.0	0.20	1955	1.7	0.00	2205	0.9	0.00
1750	149.0	0.08	2000	1.6	0.00	2210	0.9	0.00
1755	128.0	0.03	2005	1.5	0.00	2215	0.9	0.00
1800	86.4	0.01	2010	1.5	0.00	2220	0.9	0.00
1805	46.2	0.00	2015	1.4	0.00	2225	0.8	0.00
1810	23.9	0.00	2020	1.4	0.00	2230	0.8	0.00
1815	14.8	0.01	2025	1.4	0.00	2235	0.8	0.00
1820	10.3	0.00	2030	1.3	0.00	2240	0.8	0.00
1825	7.9	0.00	2035	1.3	0.00	2245	0.8	0.00
1830	6.1	0.00	2040	1.3	0.00	2250	0.8	0.00
1835	5.1	0.00	2045	1.2	0.00	2255	0.8	0.00
1840	4.4	0.00	2050	1.2	0.00	2300	0.8	0.00
1845	3.9	0.00	2055	1.2	0.00			
1850	3.5	0.00	2100	1.2	0.00			

Station 02168845, Saluda River Tributary at Columbia, S.C.

Location.--Lat 34°02'26", long 81°08'29", Richland County, Hydrologic Unit 03050109, at culvert on Bush River Road (State secondary road 273), 1.3 mi northwest of Interstate Highway 20, 6.7 mi west of the State Capitol Building, and 0.7 mi upstream from the mouth at the Saluda River.

Period of record.-- October 18, 1985 to October 11, 1989.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to a free-standing platform on the right bank 8 ft upstream from the 6.5 ft by 7.8 ft corrugated metal pipe arch culvert. An enameled staff gage is attached to the platform. One crest-stage indicator is located on the downstream left bank near the culvert exit.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 100 ft^3/s. The stage-streamflow relation was extended to 278 ft^3/s using indirect computational methods.

Rain gage and location.--Station 340240081081400, lat 34°02'40", long 81°08'14". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval, in a vacant lot on the north side of St. Andrews Road (State secondary road 42), west of the Lutheran Church cemetery, and 0.9 mi east from the Allied Signal Plant.

Selected basin characteristics.--

Drainage area -- 0.45 mi^2
Physiographic province -- Piedmont
Channel slope -- 120.0 ft/mi
Channel length -- 1.07 mi
Total impervious area -- 23.0 percent
Basin development factor -- 9
2-year, 2-hour rainfall amount -- 2.10 in.

Flood frequency data:		
	UQ_2	109 ft^3/s
	UQ_5	184 ft^3/s
	UQ_{10}	237 ft^3/s
	UQ_{25}	307 ft^3/s
	UQ_{50}	359 ft^3/s
	UQ_{100}	412 ft^3/s
	UQ_{500}	536 ft^3/s

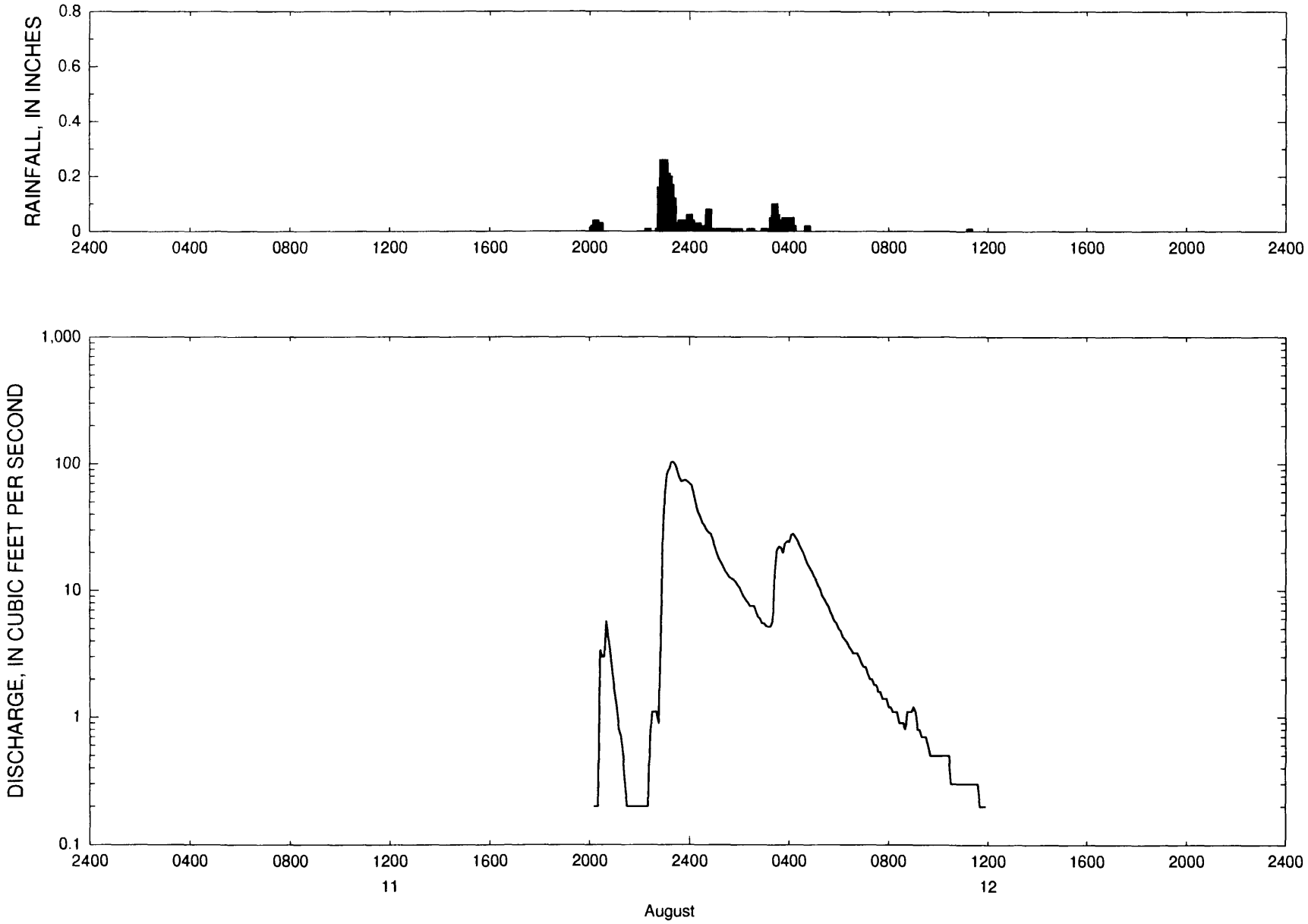


Figure 93.--Streamflow and rainfall at station 02168845, Saluda River tributary at Columbia, August 11-12, 1986.

Table 92.--Streamflow and rainfall at station 02168845, Saluda River tributary at Columbia, August 11-12, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 11, 1986			0125	14.2	0.00	0650	3.0	0.00
2010	0.2	0.02	0130	13.5	0.01	0655	2.7	0.00
2015	0.2	0.04	0135	12.7	0.01	0700	2.5	0.00
2020	0.2	0.01	0140	12.5	0.01	0705	2.5	0.00
2025	3.4	0.03	0145	12.2	0.01	0710	2.2	0.00
2030	3.0	0.00	0150	11.7	0.01	0715	2.0	0.00
2035	3.0	0.00	0155	11.0	0.00	0720	2.0	0.00
2040	5.7	0.00	0200	10.5	0.01	0725	1.8	0.00
2045	4.1	0.00	0205	9.6	0.00	0730	1.8	0.00
2050	3.2	0.00	0210	8.9	0.00	0735	1.6	0.00
2055	2.2	0.00	0215	8.4	0.00	0740	1.6	0.00
2100	1.6	0.00	0220	8.0	0.00	0745	1.4	0.00
2105	1.2	0.00	0225	7.5	0.01	0750	1.4	0.00
2110	0.8	0.00	0230	7.5	0.01	0755	1.4	0.00
2115	0.7	0.00	0235	7.5	0.00	0800	1.2	0.00
2120	0.5	0.00	0240	6.7	0.00	0805	1.2	0.00
2125	0.3	0.00	0245	6.2	0.00	0810	1.1	0.00
2130	0.2	0.00	0250	6.0	0.00	0815	1.1	0.00
2135	0.2	0.00	0255	5.5	0.00	0820	1.1	0.00
2140	0.2	0.00	0300	5.5	0.01	0825	0.9	0.00
2145	0.2	0.00	0305	5.2	0.00	0830	0.9	0.00
2150	0.2	0.00	0310	5.2	0.00	0835	0.9	0.00
2155	0.2	0.00	0315	5.2	0.01	0840	0.8	0.00
2200	0.2	0.00	0320	5.7	0.05	0845	1.1	0.00
2205	0.2	0.00	0325	14.0	0.10	0850	1.1	0.00
2210	0.2	0.00	0330	20.7	0.06	0855	1.1	0.00
2215	0.2	0.00	0335	22.2	0.04	0900	1.2	0.00
2220	0.2	0.01	0340	21.9	0.02	0905	1.1	0.00
2225	0.7	0.00	0345	19.8	0.03	0910	0.8	0.00
2230	1.1	0.00	0350	23.6	0.05	0915	0.8	0.00
2235	1.1	0.00	0355	24.6	0.02	0920	0.7	0.00
2240	1.1	0.00	0400	24.1	0.03	0925	0.7	0.00
2245	0.9	0.01	0405	27.5	0.05	0930	0.7	0.00
2250	3.2	0.16	0410	28.0	0.02	0935	0.6	0.00
2255	25.4	0.26	0415	26.4	0.00	0940	0.5	0.00
2300	58.1	0.26	0420	24.9	0.00	0945	0.5	0.00
2305	82.9	0.21	0425	22.9	0.00	0950	0.5	0.00
2310	90.8	0.20	0430	21.2	0.00	0955	0.5	0.00
2315	103.0	0.17	0435	19.8	0.00	1000	0.5	0.00
2320	104.0	0.12	0440	17.9	0.00	1005	0.5	0.00
2325	98.6	0.03	0445	16.3	0.02	1010	0.5	0.00
2330	89.2	0.00	0450	15.2	0.00	1015	0.5	0.00
2335	78.7	0.02	0455	14.2	0.00	1020	0.5	0.00
2340	72.4	0.04	0500	13.0	0.00	1025	0.5	0.00
2345	73.8	0.02	0505	12.2	0.00	1030	0.3	0.00
2350	74.6	0.04	0510	11.0	0.00	1035	0.3	0.00
2355	72.4	0.04	0515	10.3	0.00	1040	0.3	0.00
August 12, 1986			0520	9.1	0.00	1045	0.3	0.00
0000	69.8	0.06	0525	8.6	0.00	1050	0.3	0.00
0005	67.6	0.04	0530	8.0	0.00	1055	0.3	0.00
0010	57.5	0.01	0535	7.5	0.00	1100	0.3	0.00
0015	48.2	0.03	0540	6.7	0.00	1105	0.3	0.00
0020	42.0	0.03	0545	6.2	0.00	1110	0.3	0.00
0025	38.4	0.00	0550	5.7	0.00	1115	0.3	0.01
0030	34.3	0.02	0555	5.5	0.00	1120	0.3	0.00
0035	32.6	0.01	0600	5.0	0.00	1125	0.3	0.00
0040	30.2	0.02	0605	4.8	0.00	1130	0.3	0.00
0045	28.8	0.08	0610	4.3	0.00	1135	0.3	0.00
0050	28.0	0.01	0615	4.1	0.00	1140	0.2	0.00
0055	25.2	0.00	0620	3.9	0.00	1145	0.2	0.00
0100	22.4	0.01	0625	3.6	0.00	1150	0.2	0.00
0105	19.8	0.00	0630	3.4	0.00	1155	0.2	0.00
0110	17.9	0.00	0635	3.2	0.00	1200	0.2	0.00
0115	16.6	0.01	0640	3.2	0.00			
0120	15.4	0.01	0645	3.2	0.00			

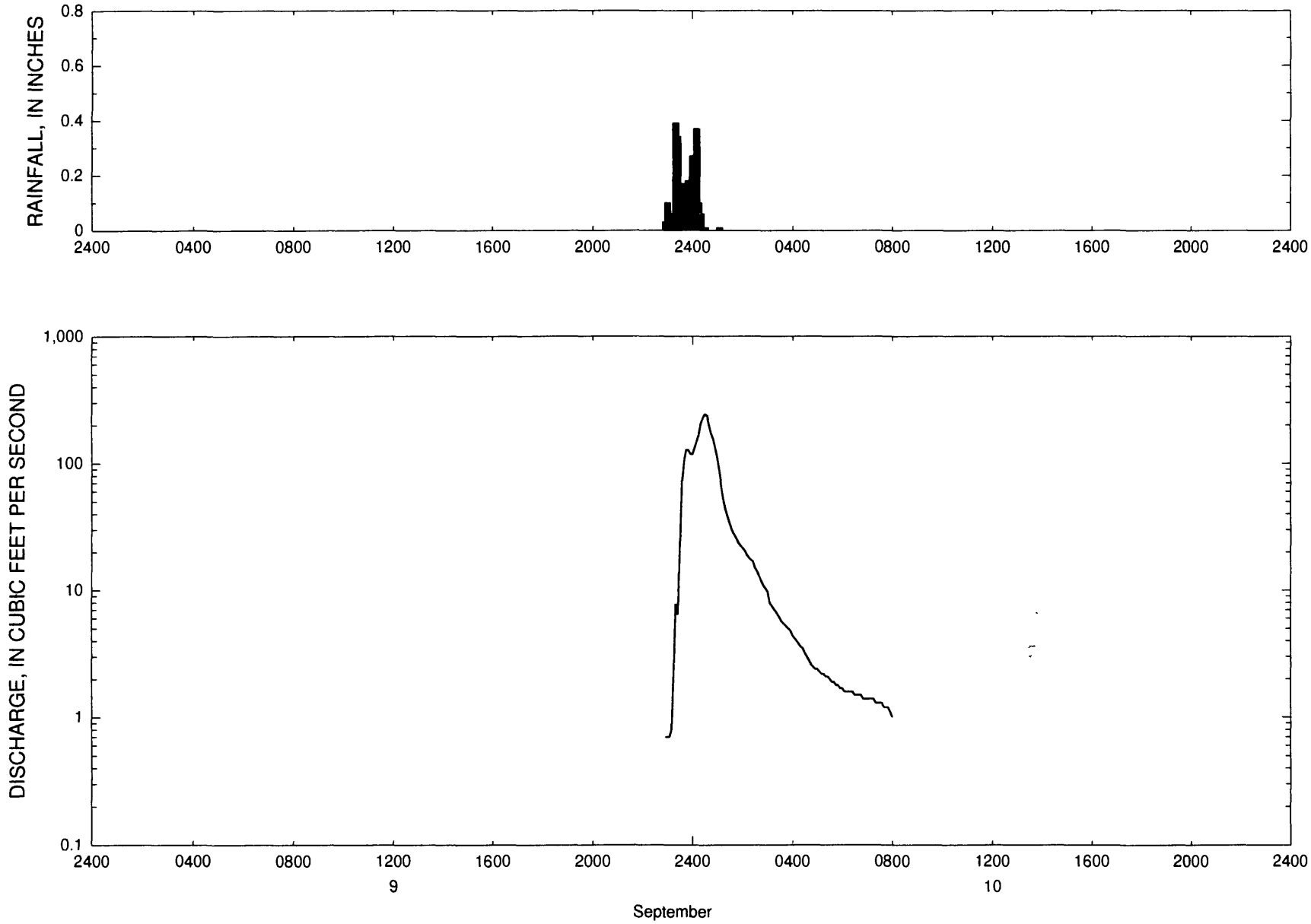


Figure 94.--Streamflow and rainfall at station 02168845, Saluda River tributary at Columbia, September 9-10, 1987.

Table 93.--Streamflow and rainfall at station 02168845, Saluda River tributary at Columbia, September 9-10, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 9, 1987			0155	22.6	0.00	0505	2.3	0.00
2255	0.7	0.03	0200	21.7	0.00	0510	2.2	0.00
2300	0.7	0.10	0205	20.7	0.00	0515	2.2	0.00
2305	0.7	0.01	0210	19.1	0.00	0520	2.1	0.00
2310	0.8	0.01	0215	18.1	0.00	0525	2.1	0.00
2315	2.2	0.06	0220	17.4	0.00	0530	2.0	0.00
2320	7.7	0.39	0225	16.9	0.00	0535	1.9	0.00
2325	6.5	0.34	0230	15.0	0.00	0540	1.9	0.00
2330	24.1	0.12	0235	14.0	0.00	0545	1.8	0.00
2335	73.1	0.16	0240	13.0	0.00	0550	1.8	0.00
2340	104.0	0.17	0245	12.0	0.00	0555	1.7	0.00
2345	128.0	0.03	0250	11.0	0.00	0600	1.7	0.00
2350	128.0	0.18	0255	10.4	0.00	0605	1.6	0.00
2355	119.0	0.06	0300	9.8	0.00	0610	1.6	0.00
September 10, 1987			0305	8.0	0.00	0615	1.6	0.00
0000	118.0	0.27	0310	7.6	0.00	0620	1.6	0.00
0005	133.0	0.25	0315	7.2	0.00	0625	1.6	0.00
0010	148.0	0.37	0320	6.8	0.00	0630	1.5	0.00
0015	166.0	0.10	0325	6.4	0.00	0635	1.5	0.00
0020	204.0	0.06	0330	6.0	0.00	0640	1.5	0.00
0025	231.0	0.01	0335	5.6	0.00	0645	1.5	0.00
0030	245.0	0.01	0340	5.4	0.00	0650	1.4	0.00
0035	237.0	0.00	0345	5.2	0.00	0655	1.4	0.00
0040	199.0	0.00	0350	5.0	0.00	0700	1.4	0.00
0045	172.0	0.00	0355	4.8	0.00	0705	1.4	0.00
0050	155.0	0.00	0400	4.4	0.00	0710	1.4	0.00
0055	131.0	0.00	0405	4.2	0.00	0715	1.4	0.00
0100	110.0	0.00	0410	4.0	0.00	0720	1.3	0.00
0105	87.2	0.01	0415	3.8	0.00	0725	1.3	0.00
0110	64.8	0.00	0420	3.6	0.00	0730	1.3	0.00
0115	51.1	0.00	0425	3.5	0.00	0735	1.3	0.00
0120	42.9	0.00	0430	3.2	0.00	0740	1.2	0.00
0125	37.5	0.00	0435	3.0	0.00	0745	1.2	0.00
0130	33.2	0.00	0440	2.8	0.00	0750	1.2	0.00
0135	29.6	0.00	0445	2.6	0.00	0755	1.1	0.00
0140	27.5	0.00	0450	2.5	0.00	0800	1.0	0.00
0145	25.7	0.00	0455	2.4	0.00			
0150	23.9	0.00	0500	2.4	0.00			

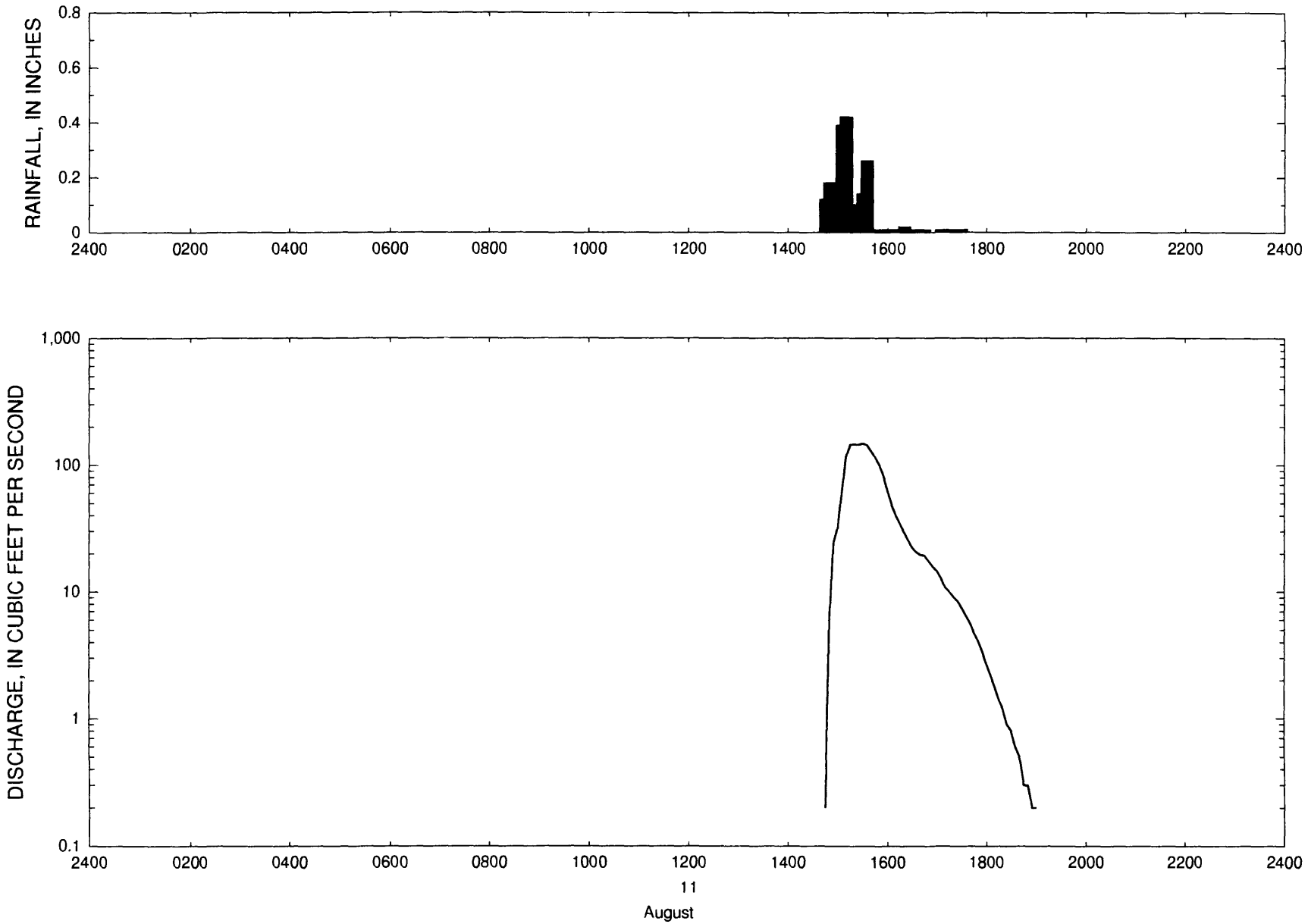


Figure 95.--Streamflow and rainfall at station 02168845, Saluda River tributary at Columbia, August 11, 1988.

Table 94.--Streamflow and rainfall at station 02168845, Saluda River tributary at Columbia, August 11, 1988

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 11, 1988			1610	39.9	0.00	1740	5.7	0.00
1445	0.2	0.12	1615	34.1	0.01	1745	4.8	0.00
1450	6.0	0.18	1620	29.6	0.02	1750	4.1	0.00
1455	24.4	0.10	1625	25.4	0.01	1755	3.4	0.00
1500	31.8	0.18	1630	22.2	0.01	1800	2.7	0.00
1505	60.8	0.39	1635	20.5	0.01	1805	2.2	0.00
1510	116.0	0.42	1640	19.5	0.01	1810	1.8	0.00
1515	145.0	0.10	1645	19.3	0.01	1815	1.4	0.00
1520	146.0	0.02	1650	17.5	0.00	1820	1.2	0.00
1525	145.0	0.02	1655	15.7	0.00	1825	0.9	0.00
1530	148.0	0.14	1700	14.5	0.00	1830	0.8	0.00
1535	144.0	0.26	1705	12.7	0.01	1835	0.6	0.00
1540	128.0	0.01	1710	10.8	0.00	1840	0.5	0.00
1545	116.0	0.01	1715	10.0	0.01	1845	0.3	0.00
1550	101.0	0.01	1720	9.1	0.00	1850	0.3	0.00
1555	81.8	0.01	1725	8.4	0.01	1855	0.2	0.00
1600	61.6	0.01	1730	7.5	0.01	1900	0.2	0.00
1605	48.5	0.00	1735	6.5	0.00			

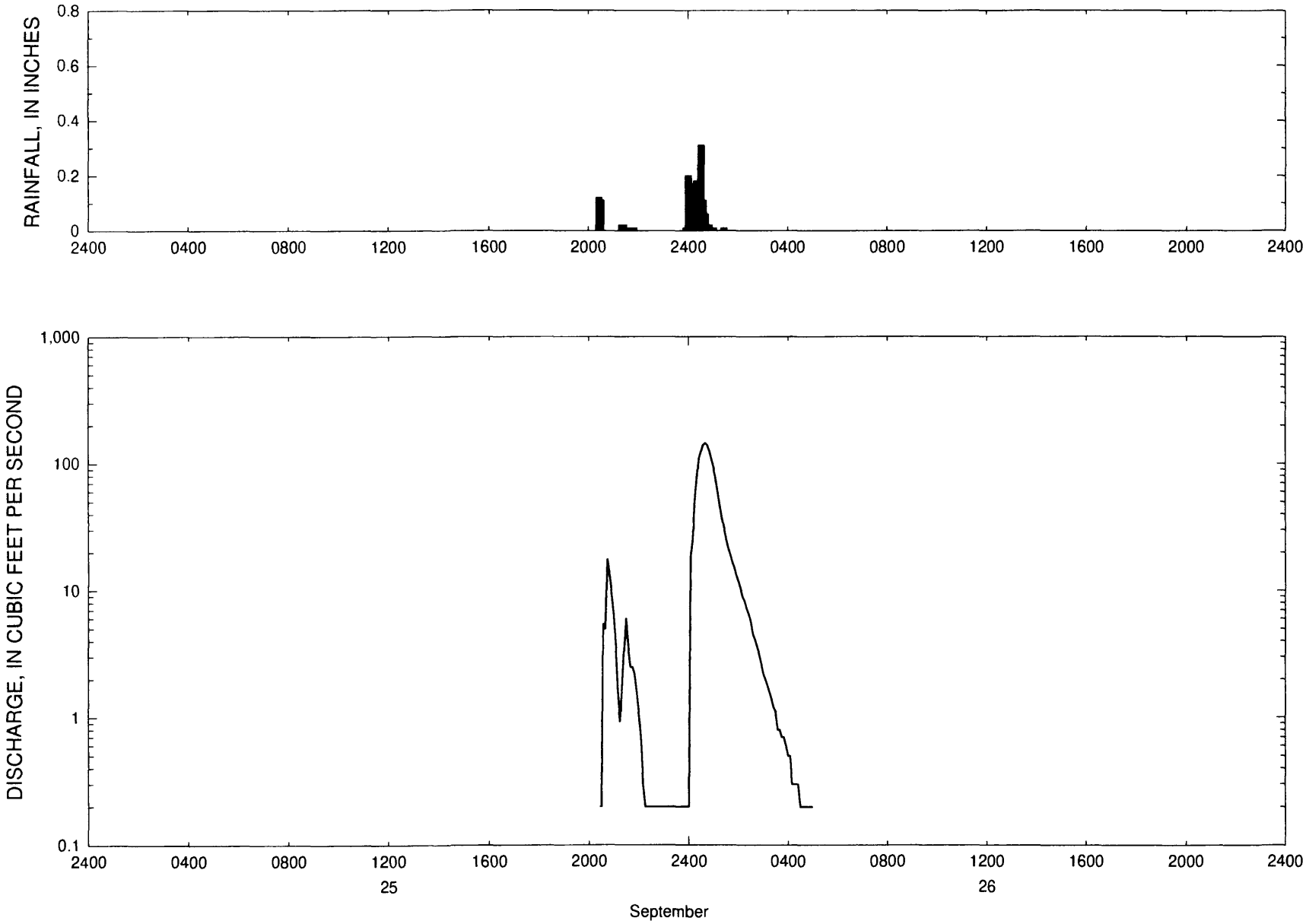


Figure 96.--Streamflow and rainfall at station 02168845, Saluda River tributary at Columbia, September 25-26, 1988.

Table 95.--Streamflow and rainfall at station 02168845, Saluda River tributary at Columbia, September 25-26, 1988

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 25, 1988			2320	0.2	0.00	0215	8.2	0.00
2025	0.2	0.12	2325	0.2	0.00	0220	7.2	0.00
2030	0.2	0.11	2330	0.2	0.00	0225	6.5	0.00
2035	5.5	0.00	2335	0.2	0.00	0230	5.7	0.00
2040	5.0	0.00	2340	0.2	0.00	0235	4.5	0.00
2045	17.7	0.00	2345	0.2	0.00	0240	4.1	0.00
2050	13.2	0.00	2350	0.2	0.00	0245	3.6	0.00
2055	9.3	0.00	2355	0.2	0.01	0250	3.2	0.00
2100	6.2	0.00	September 26, 1988			0255	2.7	0.00
2105	3.6	0.00	0000	0.2	0.20	0300	2.2	0.00
2110	1.6	0.00	0005	18.4	0.17	0305	2.0	0.00
2115	0.9	0.00	0010	24.9	0.16	0310	1.8	0.00
2120	1.8	0.02	0015	51.1	0.07	0315	1.6	0.00
2125	3.4	0.02	0020	78.0	0.18	0320	1.4	0.00
2130	6.0	0.01	0025	112.0	0.06	0325	1.2	0.00
2135	3.6	0.00	0030	125.0	0.31	0330	1.1	0.00
2140	2.5	0.01	0035	141.0	0.11	0335	0.8	0.00
2145	2.5	0.00	0040	146.0	0.06	0340	0.8	0.00
2150	2.2	0.01	0045	140.0	0.01	0345	0.7	0.00
2155	1.6	0.00	0050	125.0	0.02	0350	0.7	0.00
2200	1.1	0.00	0055	108.0	0.01	0355	0.6	0.00
2205	0.7	0.00	0100	92.4	0.01	0400	0.5	0.00
2210	0.3	0.00	0105	76.1	0.00	0405	0.5	0.00
2215	0.2	0.00	0110	59.2	0.00	0410	0.3	0.00
2220	0.2	0.00	0115	46.0	0.00	0415	0.3	0.00
2225	0.2	0.00	0120	36.6	0.00	0420	0.3	0.00
2230	0.2	0.00	0125	30.4	0.01	0425	0.3	0.00
2235	0.2	0.00	0130	25.4	0.00	0430	0.2	0.00
2240	0.2	0.00	0135	21.7	0.00	0435	0.2	0.00
2245	0.2	0.00	0140	19.1	0.00	0440	0.2	0.00
2250	0.2	0.00	0145	16.8	0.00	0445	0.2	0.00
2255	0.2	0.00	0150	15.2	0.00	0450	0.2	0.00
2300	0.2	0.00	0155	13.2	0.00	0455	0.2	0.00
2305	0.2	0.00	0200	11.7	0.00	0500	0.2	0.00
2310	0.2	0.00	0205	10.3	0.00			
2315	0.2	0.00	0210	8.9	0.00			

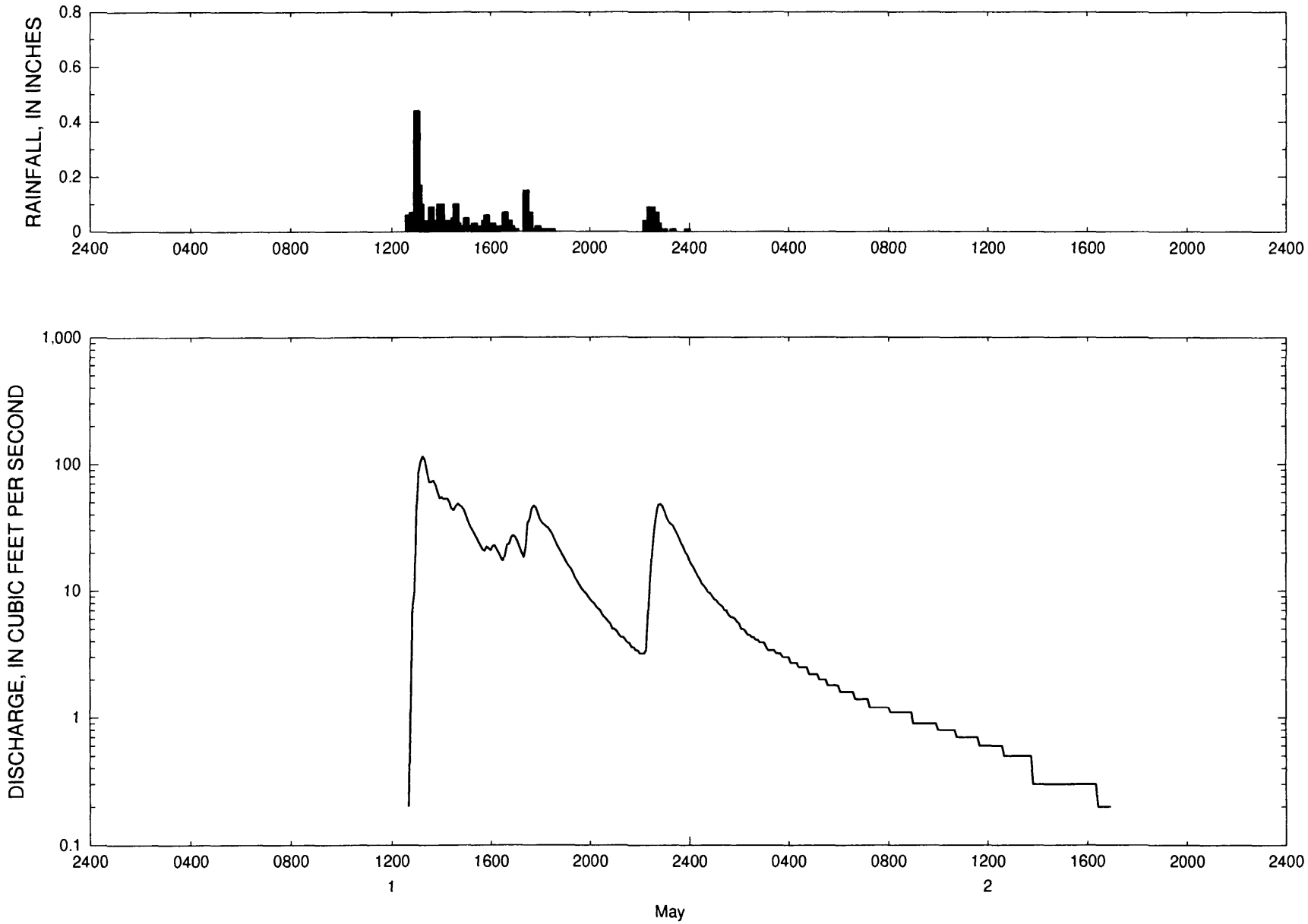


Figure 97.--Streamflow and rainfall at station 02168845, Saluda River tributary at Columbia, May 1-2, 1989.

Table 96.--Streamflow and rainfall at station 02168845, Saluda River tributary at Columbia, May 1-2, 1989

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
May 1, 1989			1800	36.9	0.01	2325	30.4	0.00
1240	0.2	0.06	1805	34.6	0.01	2330	28.3	0.00
1245	0.9	0.05	1810	33.5	0.01	2335	26.2	0.00
1250	7.7	0.07	1815	32.4	0.01	2340	23.9	0.00
1255	10.0	0.07	1820	31.5	0.01	2345	22.2	0.00
1300	42.0	0.44	1825	29.9	0.00	2350	20.2	0.00
1305	85.6	0.17	1830	28.0	0.01	2355	19.1	0.01
1310	105.0	0.10	1835	25.7	0.00	May 2, 1989		
1315	116.0	0.03	1840	23.6	0.00	0000	17.5	0.00
1320	109.0	0.04	1845	21.9	0.00	0005	16.3	0.00
1325	90.0	0.04	1850	20.5	0.00	0010	15.4	0.00
1330	72.4	0.04	1855	19.1	0.00	0015	14.2	0.00
1335	72.4	0.09	1900	17.9	0.00	0020	13.2	0.00
1340	74.6	0.04	1905	16.6	0.00	0025	12.5	0.00
1345	69.4	0.03	1910	15.7	0.00	0030	11.5	0.00
1350	60.9	0.02	1915	15.0	0.00	0035	11.0	0.00
1355	54.1	0.10	1920	14.0	0.00	0040	10.5	0.00
1400	55.1	0.10	1925	12.7	0.00	0045	9.8	0.00
1405	53.1	0.03	1930	12.0	0.00	0050	9.6	0.00
1410	53.4	0.04	1935	11.2	0.00	0055	9.1	0.00
1415	53.4	0.04	1940	10.5	0.00	0100	8.6	0.00
1420	49.5	0.03	1945	10.0	0.00	0105	8.4	0.00
1425	44.8	0.03	1950	9.6	0.00	0110	8.0	0.00
1430	43.2	0.05	1955	9.1	0.00	0115	7.7	0.00
1435	46.3	0.10	2000	8.6	0.00	0120	7.5	0.00
1440	48.9	0.03	2005	8.2	0.00	0125	7.0	0.00
1445	47.3	0.02	2010	8.0	0.00	0130	7.0	0.00
1450	46.3	0.02	2015	7.5	0.00	0135	6.5	0.00
1455	43.8	0.02	2020	7.2	0.00	0140	6.2	0.00
1500	39.6	0.05	2025	7.0	0.00	0145	6.2	0.00
1505	35.5	0.02	2030	6.5	0.00	0150	6.0	0.00
1510	32.4	0.01	2035	6.2	0.00	0155	5.7	0.00
1515	30.4	0.02	2040	6.0	0.00	0200	5.5	0.00
1520	28.5	0.03	2045	5.7	0.00	0205	5.0	0.00
1525	26.4	0.02	2050	5.5	0.00	0210	5.0	0.00
1530	24.6	0.02	2055	5.0	0.00	0215	4.8	0.00
1535	22.9	0.01	2100	5.0	0.00	0220	4.5	0.00
1540	21.2	0.02	2105	4.8	0.00	0225	4.5	0.00
1545	20.7	0.04	2110	4.5	0.00	0230	4.3	0.00
1550	22.4	0.06	2115	4.3	0.00	0235	4.3	0.00
1555	21.7	0.02	2120	4.3	0.00	0240	4.1	0.00
1600	20.9	0.02	2125	4.1	0.00	0245	4.1	0.00
1605	22.6	0.03	2130	3.9	0.00	0250	3.9	0.00
1610	22.9	0.02	2135	3.9	0.00	0255	3.9	0.00
1615	21.2	0.02	2140	3.6	0.00	0300	3.9	0.00
1620	19.8	0.01	2145	3.6	0.00	0305	3.6	0.00
1625	18.4	0.01	2150	3.4	0.00	0310	3.4	0.00
1630	17.3	0.02	2155	3.4	0.00	0315	3.4	0.00
1635	19.3	0.07	2200	3.2	0.00	0320	3.4	0.00
1640	23.1	0.04	2205	3.2	0.00	0325	3.4	0.00
1645	23.4	0.04	2210	3.2	0.00	0330	3.2	0.00
1650	26.4	0.02	2215	3.4	0.04	0335	3.2	0.00
1655	27.5	0.01	2220	6.5	0.03	0340	3.2	0.00
1700	26.4	0.01	2225	12.2	0.09	0345	3.0	0.00
1705	24.4	0.00	2230	20.0	0.09	0350	3.0	0.00
1710	21.9	0.00	2235	29.9	0.07	0355	3.0	0.00
1715	19.8	0.00	2240	39.0	0.07	0400	3.0	0.00
1720	18.4	0.00	2245	47.9	0.03	0405	2.7	0.00
1725	22.2	0.15	2250	48.5	0.01	0410	2.7	0.00
1730	34.1	0.04	2255	46.6	0.01	0415	2.7	0.00
1735	36.9	0.07	2300	42.9	0.01	0420	2.7	0.00
1740	44.1	0.01	2305	38.1	0.00	0425	2.5	0.00
1745	47.0	0.01	2310	35.2	0.00	0430	2.5	0.00
1750	45.7	0.01	2315	33.8	0.00	0435	2.5	0.00
1755	41.4	0.02	2320	32.9	0.01	0440	2.5	0.00

Table 96.--Streamflow and rainfall at station 02168845, Saluda River tributary at Columbia, May 1-2, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
0445	2.5	0.00	0855	1.1	0.00	1305	0.5	0.00
0450	2.2	0.00	0900	0.9	0.00	1310	0.5	0.00
0455	2.2	0.00	0905	0.9	0.00	1315	0.5	0.00
0500	2.2	0.00	0910	0.9	0.00	1320	0.5	0.00
0505	2.2	0.00	0915	0.9	0.00	1325	0.5	0.00
0510	2.2	0.00	0920	0.9	0.00	1330	0.5	0.00
0515	2.0	0.00	0925	0.9	0.00	1335	0.5	0.00
0520	2.0	0.00	0930	0.9	0.00	1340	0.5	0.00
0525	2.0	0.00	0935	0.9	0.00	1345	0.5	0.00
0530	2.0	0.00	0940	0.9	0.00	1350	0.3	0.00
0535	1.8	0.00	0945	0.9	0.00	1355	0.3	0.00
0540	1.8	0.00	0950	0.9	0.00	1400	0.3	0.00
0545	1.8	0.00	0955	0.9	0.00	1405	0.3	0.00
0550	1.8	0.00	1000	0.8	0.00	1410	0.3	0.00
0555	1.8	0.00	1005	0.8	0.00	1415	0.3	0.00
0600	1.8	0.00	1010	0.8	0.00	1420	0.3	0.00
0605	1.6	0.00	1015	0.8	0.00	1425	0.3	0.00
0610	1.6	0.00	1020	0.8	0.00	1430	0.3	0.00
0615	1.6	0.00	1025	0.8	0.00	1435	0.3	0.00
0620	1.6	0.00	1030	0.8	0.00	1440	0.3	0.00
0625	1.6	0.00	1035	0.8	0.00	1445	0.3	0.00
0630	1.6	0.00	1040	0.8	0.00	1450	0.3	0.00
0635	1.6	0.00	1045	0.7	0.00	1455	0.3	0.00
0640	1.4	0.00	1050	0.7	0.00	1500	0.3	0.00
0645	1.4	0.00	1055	0.7	0.00	1505	0.3	0.00
0650	1.4	0.00	1100	0.7	0.00	1510	0.3	0.00
0655	1.4	0.00	1105	0.7	0.00	1515	0.3	0.00
0700	1.4	0.00	1110	0.7	0.00	1520	0.3	0.00
0705	1.4	0.00	1115	0.7	0.00	1525	0.3	0.00
0710	1.4	0.00	1120	0.7	0.00	1530	0.3	0.00
0715	1.2	0.00	1125	0.7	0.00	1535	0.3	0.00
0720	1.2	0.00	1130	0.7	0.00	1540	0.3	0.00
0725	1.2	0.00	1135	0.7	0.00	1545	0.3	0.00
0730	1.2	0.00	1140	0.6	0.00	1550	0.3	0.00
0735	1.2	0.00	1145	0.6	0.00	1555	0.3	0.00
0740	1.2	0.00	1150	0.6	0.00	1600	0.3	0.00
0745	1.2	0.00	1155	0.6	0.00	1605	0.3	0.00
0750	1.2	0.00	1200	0.6	0.00	1610	0.3	0.00
0755	1.2	0.00	1205	0.6	0.00	1615	0.3	0.00
0800	1.2	0.00	1210	0.6	0.00	1620	0.3	0.00
0805	1.1	0.00	1215	0.6	0.00	1625	0.2	0.00
0810	1.1	0.00	1220	0.6	0.00	1630	0.2	0.00
0815	1.1	0.00	1225	0.6	0.00	1635	0.2	0.00
0820	1.1	0.00	1230	0.6	0.00	1640	0.2	0.00
0825	1.1	0.00	1235	0.6	0.00	1645	0.2	0.00
0830	1.1	0.00	1240	0.5	0.00	1650	0.2	0.00
0835	1.1	0.00	1245	0.5	0.00	1655	0.2	0.00
0840	1.1	0.00	1250	0.5	0.00	1700	0.2	0.00
0845	1.1	0.00	1255	0.5	0.00			
0850	1.1	0.00	1300	0.5	0.00			

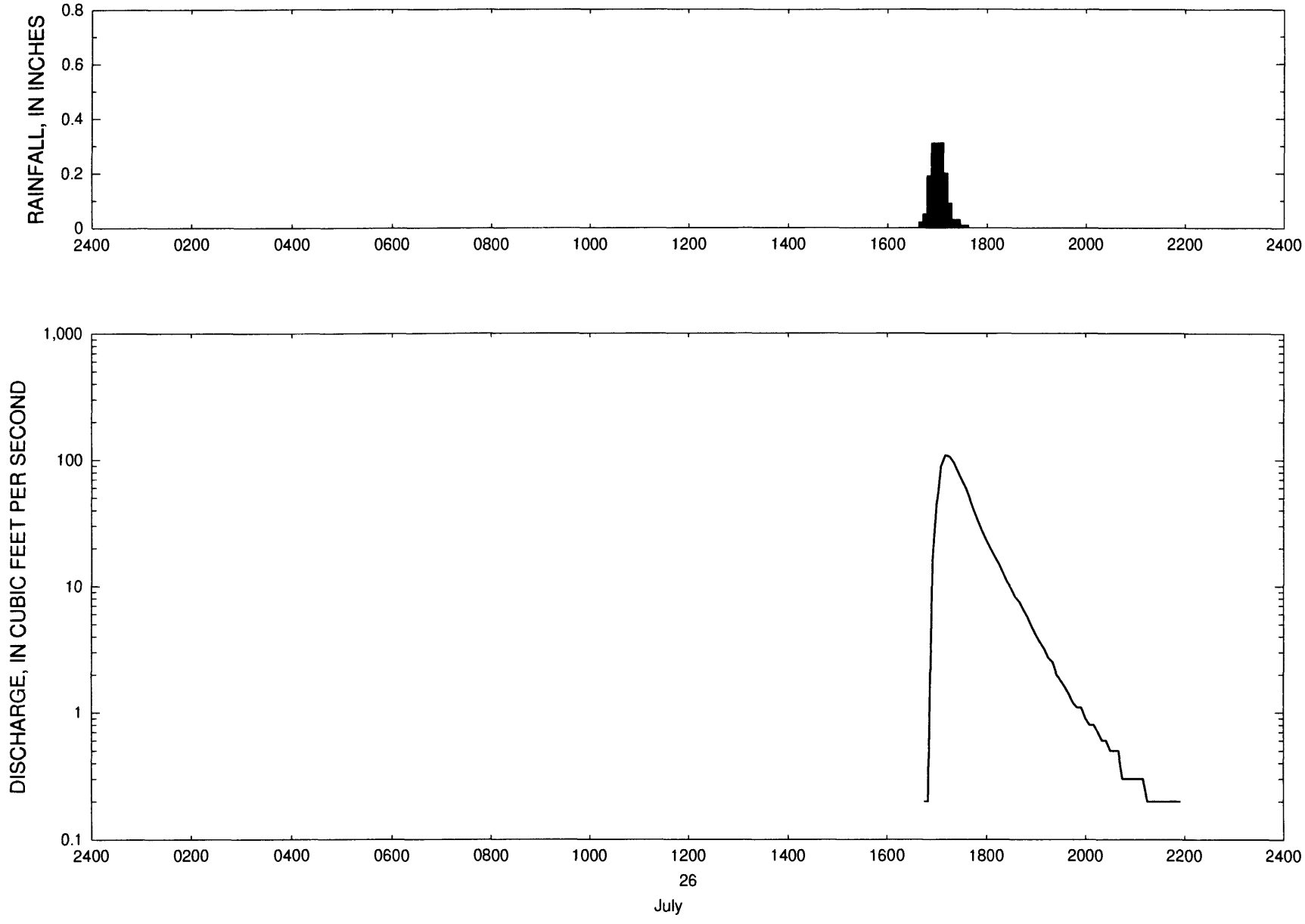


Figure 98.--Streamflow and rainfall at station 02168845, Saluda River tributary at Columbia, July 26, 1989.

Table 97.--Streamflow and rainfall at station 02168845, Saluda River tributary at Columbia, July 26, 1989

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
July 26, 1989			1830	9.6	0.00	2020	0.6	0.00
1645	0.2	0.02	1835	8.2	0.00	2025	0.6	0.00
1650	0.2	0.05	1840	7.5	0.00	2030	0.5	0.00
1655	16.3	0.19	1845	6.5	0.00	2035	0.5	0.00
1700	45.1	0.31	1850	5.7	0.00	2040	0.5	0.00
1705	89.2	0.20	1855	4.8	0.00	2045	0.3	0.00
1710	109.0	0.09	1900	4.1	0.00	2050	0.3	0.00
1715	106.0	0.03	1905	3.6	0.00	2055	0.3	0.00
1720	95.2	0.03	1910	3.2	0.00	2100	0.3	0.00
1725	80.6	0.00	1915	2.7	0.00	2105	0.3	0.00
1730	69.1	0.01	1920	2.5	0.00	2110	0.3	0.00
1735	58.5	0.00	1925	2.0	0.00	2115	0.2	0.00
1740	47.9	0.00	1930	1.8	0.00	2120	0.2	0.00
1745	39.3	0.00	1935	1.6	0.00	2125	0.2	0.00
1750	32.4	0.00	1940	1.4	0.00	2130	0.2	0.00
1755	27.0	0.00	1945	1.2	0.00	2135	0.2	0.00
1800	22.9	0.00	1950	1.1	0.00	2140	0.2	0.00
1805	19.8	0.00	1955	1.1	0.00	2145	0.2	0.00
1810	17.3	0.00	2000	0.9	0.00	2150	0.2	0.00
1815	15.0	0.00	2005	0.8	0.00	2155	0.2	0.00
1820	12.7	0.00	2010	0.8	0.00	2200	0.2	0.00
1825	10.8	0.00	2015	0.7	0.00			

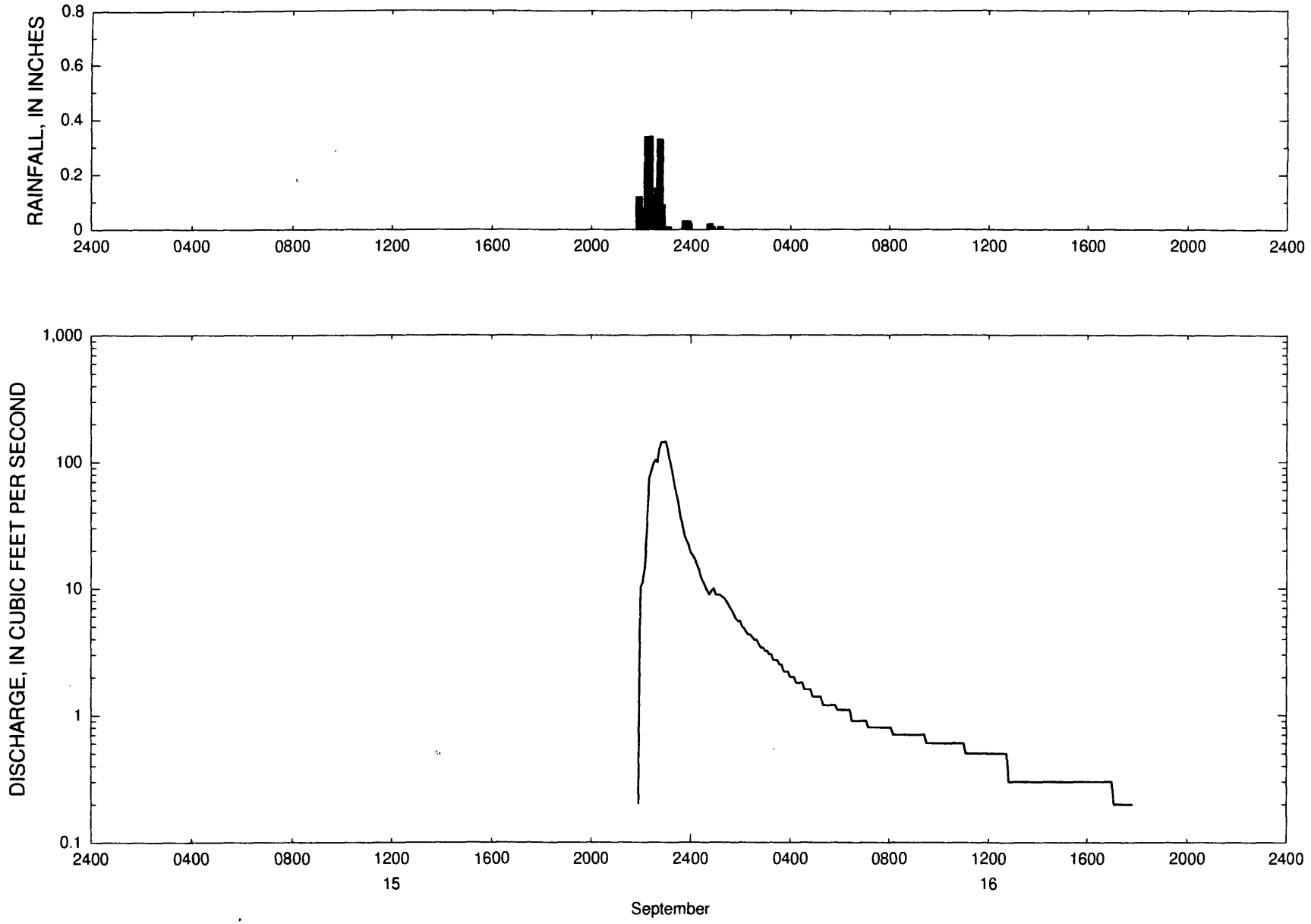


Figure 99.--Streamflow and rainfall at station 02168845, Saluda River tributary at Columbia, September 15-16, 1989.

Table 98.--Streamflow and rainfall at station 02168845, Saluda River tributary at Columbia, September 15-16, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 15, 1989			0310	3.0	0.00	0835	0.7	0.00
2155	0.2	0.12	0315	3.0	0.00	0840	0.7	0.00
2200	10.3	0.06	0320	2.7	0.00	0845	0.7	0.00
2205	11.2	0.07	0325	2.7	0.00	0850	0.7	0.00
2210	14.5	0.06	0330	2.7	0.00	0855	0.7	0.00
2215	31.3	0.34	0335	2.5	0.00	0900	0.7	0.00
2220	74.2	0.34	0340	2.5	0.00	0905	0.7	0.00
2225	84.9	0.01	0345	2.2	0.00	0910	0.7	0.00
2230	97.6	0.07	0350	2.2	0.00	0915	0.7	0.00
2235	104.0	0.09	0355	2.2	0.00	0920	0.7	0.00
2240	98.9	0.15	0400	2.0	0.00	0925	0.7	0.00
2245	127.0	0.33	0405	2.0	0.00	0930	0.6	0.00
2250	144.0	0.09	0410	2.0	0.00	0935	0.6	0.00
2255	143.0	0.01	0415	1.8	0.00	0940	0.6	0.00
2300	145.0	0.00	0420	1.8	0.00	0945	0.6	0.00
2305	125.0	0.01	0425	1.8	0.00	0950	0.6	0.00
2310	101.0	0.00	0430	1.8	0.00	0955	0.6	0.00
2315	84.9	0.00	0435	1.6	0.00	1000	0.6	0.00
2320	69.4	0.00	0440	1.6	0.00	1005	0.6	0.00
2325	55.8	0.00	0445	1.6	0.00	1010	0.6	0.00
2330	47.9	0.00	0450	1.6	0.00	1015	0.6	0.00
2335	37.8	0.00	0455	1.4	0.00	1020	0.6	0.00
2340	31.3	0.00	0500	1.4	0.00	1025	0.6	0.00
2345	26.4	0.03	0505	1.4	0.00	1030	0.6	0.00
2350	23.9	0.03	0510	1.4	0.00	1035	0.6	0.00
2355	22.2	0.02	0515	1.4	0.00	1040	0.6	0.00
September 16, 1989			0520	1.2	0.00	1045	0.6	0.00
0000	19.1	0.00	0525	1.2	0.00	1050	0.6	0.00
0005	18.2	0.00	0530	1.2	0.00	1055	0.6	0.00
0010	17.0	0.00	0535	1.2	0.00	1100	0.6	0.00
0015	15.4	0.00	0540	1.2	0.00	1105	0.5	0.00
0020	14.0	0.00	0545	1.2	0.00	1110	0.5	0.00
0025	12.2	0.00	0550	1.2	0.00	1115	0.5	0.00
0030	11.2	0.00	0555	1.1	0.00	1120	0.5	0.00
0035	10.3	0.00	0600	1.1	0.00	1125	0.5	0.00
0040	9.6	0.00	0605	1.1	0.00	1130	0.5	0.00
0045	8.9	0.02	0610	1.1	0.00	1135	0.5	0.00
0050	9.6	0.01	0615	1.1	0.00	1140	0.5	0.00
0055	10.0	0.00	0620	1.1	0.00	1145	0.5	0.00
0100	8.9	0.00	0625	1.1	0.00	1150	0.5	0.00
0105	8.9	0.00	0630	0.9	0.00	1155	0.5	0.00
0110	8.9	0.01	0635	0.9	0.00	1200	0.5	0.00
0115	8.6	0.00	0640	0.9	0.00	1205	0.5	0.00
0120	8.4	0.00	0645	0.9	0.00	1210	0.5	0.00
0125	8.0	0.00	0650	0.9	0.00	1215	0.5	0.00
0130	7.5	0.00	0655	0.9	0.00	1220	0.5	0.00
0135	7.0	0.00	0700	0.9	0.00	1225	0.5	0.00
0140	6.5	0.00	0705	0.9	0.00	1230	0.5	0.00
0145	6.0	0.00	0710	0.8	0.00	1235	0.5	0.00
0150	5.7	0.00	0715	0.8	0.00	1240	0.5	0.00
0155	5.5	0.00	0720	0.8	0.00	1245	0.5	0.00
0200	5.5	0.00	0725	0.8	0.00	1250	0.3	0.00
0205	5.0	0.00	0730	0.8	0.00	1255	0.3	0.00
0210	4.8	0.00	0735	0.8	0.00	1300	0.3	0.00
0215	4.5	0.00	0740	0.8	0.00	1305	0.3	0.00
0220	4.3	0.00	0745	0.8	0.00	1310	0.3	0.00
0225	4.3	0.00	0750	0.8	0.00	1315	0.3	0.00
0230	4.1	0.00	0755	0.8	0.00	1320	0.3	0.00
0235	3.9	0.00	0800	0.8	0.00	1325	0.3	0.00
0240	3.9	0.00	0805	0.8	0.00	1330	0.3	0.00
0245	3.6	0.00	0810	0.7	0.00	1335	0.3	0.00
0250	3.4	0.00	0815	0.7	0.00	1340	0.3	0.00
0255	3.4	0.00	0820	0.7	0.00	1345	0.3	0.00
0300	3.2	0.00	0825	0.7	0.00	1350	0.3	0.00
0305	3.2	0.00	0830	0.7	0.00	1355	0.3	0.00

Table 98.--Streamflow and rainfall at station 02168845, Saluda River tributary at Columbia, September 15-16, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
1400	0.3	0.00	1525	0.3	0.00	1650	0.3	0.00
1405	0.3	0.00	1530	0.3	0.00	1655	0.3	0.00
1410	0.3	0.00	1535	0.3	0.00	1700	0.3	0.00
1415	0.3	0.00	1540	0.3	0.00	1705	0.2	0.00
1420	0.3	0.00	1545	0.3	0.00	1710	0.2	0.00
1425	0.3	0.00	1550	0.3	0.00	1715	0.2	0.00
1430	0.3	0.00	1555	0.3	0.00	1720	0.2	0.00
1435	0.3	0.00	1600	0.3	0.00	1725	0.2	0.00
1440	0.3	0.00	1605	0.3	0.00	1730	0.2	0.00
1445	0.3	0.00	1610	0.3	0.00	1735	0.2	0.00
1450	0.3	0.00	1615	0.3	0.00	1740	0.2	0.00
1455	0.3	0.00	1620	0.3	0.00	1745	0.2	0.00
1500	0.3	0.00	1625	0.3	0.00	1750	0.2	0.00
1505	0.3	0.00	1630	0.3	0.00	1755	0.2	0.00
1510	0.3	0.00	1635	0.3	0.00	1800	0.2	0.00
1515	0.3	0.00	1640	0.3	0.00			
1520	0.3	0.00	1645	0.3	0.00			

Station 02169505, Rocky Branch at Columbia, S.C.

Location.--Lat 33°59'41", long 81°01'26", Richland County, Hydrologic Unit 03050110, at culvert on Pickens Street (State secondary road 2077), 0.7 mi southeast of the State Capitol Building, and 2.0 mi upstream from the mouth at the Congaree River.

Period of record.-- August 14, 1984 to December 6, 1990.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to the right upstream wingwall of a triple 7.1 ft by 7 ft concrete box culvert. A sealed intake pipe extends 20 ft upstream to a separate stilling basin (sand trap) with a removable lid. An enameled staff gage is attached on the right upstream bank opposite the recording gage intake. One crest-stage indicator is located on the right downstream wingwall. The second crest-stage indicator is located on the left upstream bank opposite the stage recorder intake.

Rating.--The stage-streamflow relation is defined by current meter measurements and the dye-dilution method to approximately 250 ft^3/s. The stage-streamflow relation was extended to 1,175 ft^3/s using indirect computational methods.

Rain gage and location.--Station number 335940081013100, lat 33°59'40", long 81°01'31". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval in a parking lot at the corner of Blossom (U.S. Highway 21) and Pickens Streets (State secondary road 2077) at the University of South Carolina, and 0.6 mi southeast from the State Capitol Building.

Selected basin characteristics.--

Drainage area -- 2.41 mi^2
Physiographic province -- Inner Coastal Plain
Channel slope -- 75.5 ft/mi
Channel length -- 1.90 mi
Total impervious area -- 51.0 percent
Basin development factor -- 12
2-year, 2-hour rainfall amount -- 2.15 in.

Flood frequency data:	UQ_2	1,120 ft^3/s
	UQ_5	1,660 ft^3/s
	UQ_{10}	1,980 ft^3/s
	UQ_{25}	2,310 ft^3/s
	UQ_{50}	2,530 ft^3/s
	UQ_{100}	2,720 ft^3/s
	UQ_{500}	3,090 ft^3/s

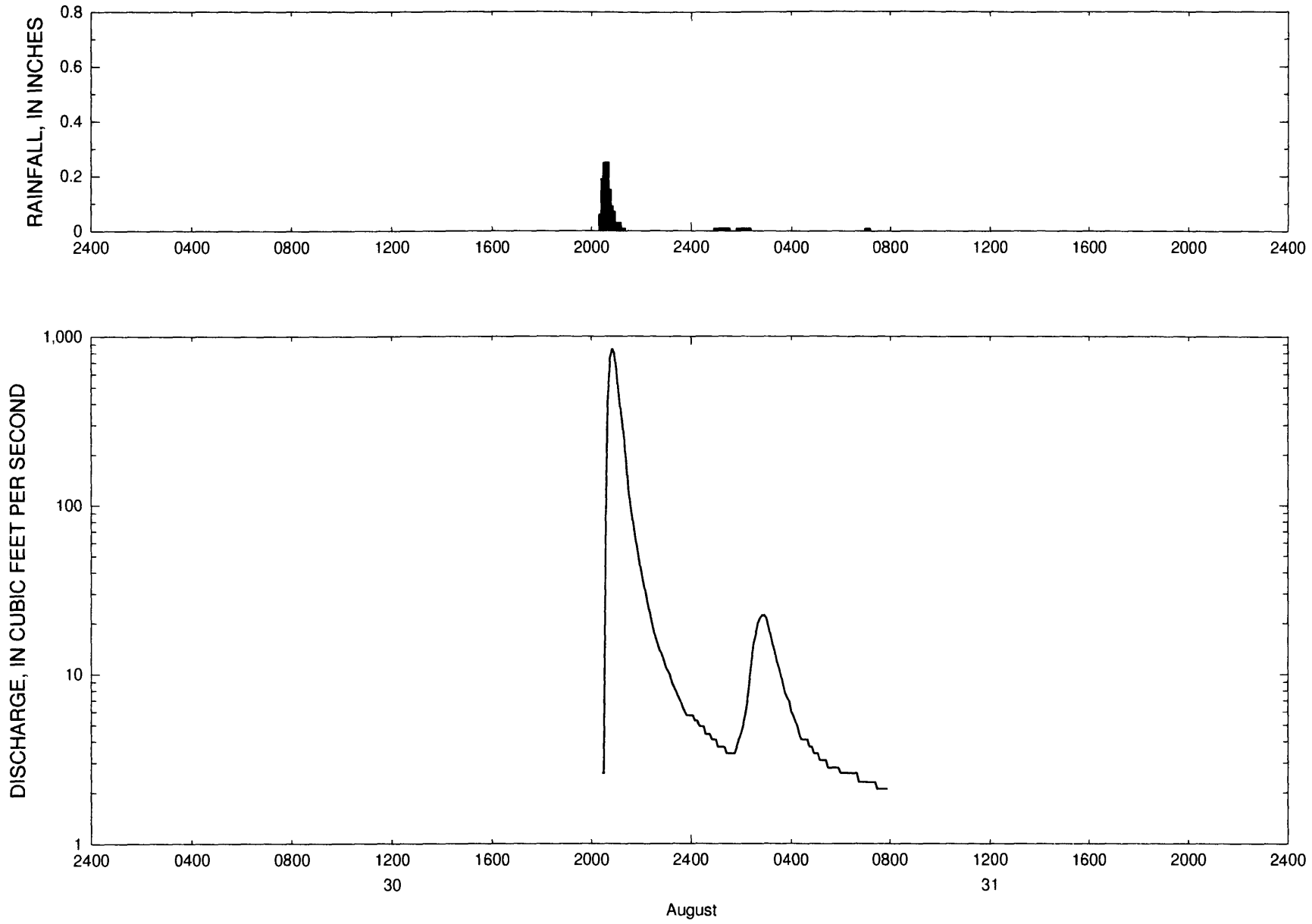


Figure 100.--Streamflow and rainfall at station 02169505, Rocky Branch at Columbia, August 30-31, 1985.

Table 99.--Streamflow and rainfall at station 02169505, Rocky Branch at Columbia, August 30-31, 1985

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
August 30, 1985			0015	5.3	0.00	0415	4.9	0.00
2025	2.6	0.06	0020	4.9	0.00	0420	4.4	0.00
2030	2.6	0.19	0025	4.9	0.00	0425	4.1	0.00
2035	80.0	0.25	0030	4.9	0.00	0430	4.1	0.00
2040	414.0	0.15	0035	4.4	0.00	0435	4.1	0.00
2045	747.0	0.09	0040	4.4	0.00	0440	4.1	0.00
2050	847.0	0.07	0045	4.4	0.00	0445	3.7	0.00
2055	796.0	0.02	0050	4.1	0.00	0450	3.7	0.00
2100	644.0	0.03	0055	4.1	0.00	0455	3.4	0.00
2105	490.0	0.03	0100	4.1	0.01	0500	3.4	0.00
2110	388.0	0.00	0105	3.7	0.00	0505	3.4	0.00
2115	310.0	0.01	0110	3.7	0.01	0510	3.1	0.00
2120	246.0	0.00	0115	3.7	0.00	0515	3.1	0.00
2125	174.0	0.00	0120	3.7	0.00	0520	3.1	0.00
2130	124.0	0.00	0125	3.4	0.01	0525	3.1	0.00
2135	97.4	0.00	0130	3.4	0.00	0530	2.8	0.00
2140	81.1	0.00	0135	3.4	0.00	0535	2.8	0.00
2145	67.7	0.00	0140	3.4	0.00	0540	2.8	0.00
2150	56.9	0.00	0145	3.4	0.00	0545	2.8	0.00
2155	48.3	0.00	0150	3.7	0.00	0550	2.8	0.00
2200	40.9	0.00	0155	4.1	0.01	0555	2.8	0.00
2205	35.3	0.00	0200	4.4	0.01	0600	2.6	0.00
2210	31.0	0.00	0205	4.9	0.01	0605	2.6	0.00
2215	26.8	0.00	0210	5.7	0.01	0610	2.6	0.00
2220	23.7	0.00	0215	6.9	0.01	0615	2.6	0.00
2225	20.6	0.00	0220	9.3	0.00	0620	2.6	0.00
2230	18.4	0.00	0225	12.0	0.00	0625	2.6	0.00
2235	16.4	0.00	0230	15.1	0.00	0630	2.6	0.00
2240	15.1	0.00	0235	17.1	0.00	0635	2.6	0.00
2245	13.8	0.00	0240	19.9	0.00	0640	2.6	0.00
2250	13.2	0.00	0245	21.4	0.00	0645	2.3	0.00
2255	12.0	0.00	0250	22.2	0.00	0650	2.3	0.00
2300	10.9	0.00	0255	22.2	0.00	0655	2.3	0.00
2305	10.4	0.00	0300	21.4	0.00	0700	2.3	0.00
2310	9.9	0.00	0305	19.1	0.00	0705	2.3	0.01
2315	8.8	0.00	0310	17.1	0.00	0710	2.3	0.00
2320	8.3	0.00	0315	15.1	0.00	0715	2.3	0.00
2325	7.8	0.00	0320	13.8	0.00	0720	2.3	0.00
2330	7.3	0.00	0325	12.0	0.00	0725	2.3	0.00
2335	6.9	0.00	0330	10.9	0.00	0730	2.1	0.00
2340	6.4	0.00	0335	9.9	0.00	0735	2.1	0.00
2345	6.0	0.00	0340	8.8	0.00	0740	2.1	0.00
2350	5.7	0.00	0345	7.8	0.00	0745	2.1	0.00
2355	5.7	0.00	0350	7.3	0.00	0750	2.1	0.00
August 31, 1985			0355	6.9	0.00	0755	2.1	0.00
0000	5.7	0.00	0400	6.0	0.00	0800	2.1	0.00
0005	5.7	0.00	0405	5.7	0.00			
0010	5.3	0.00	0410	5.3	0.00			

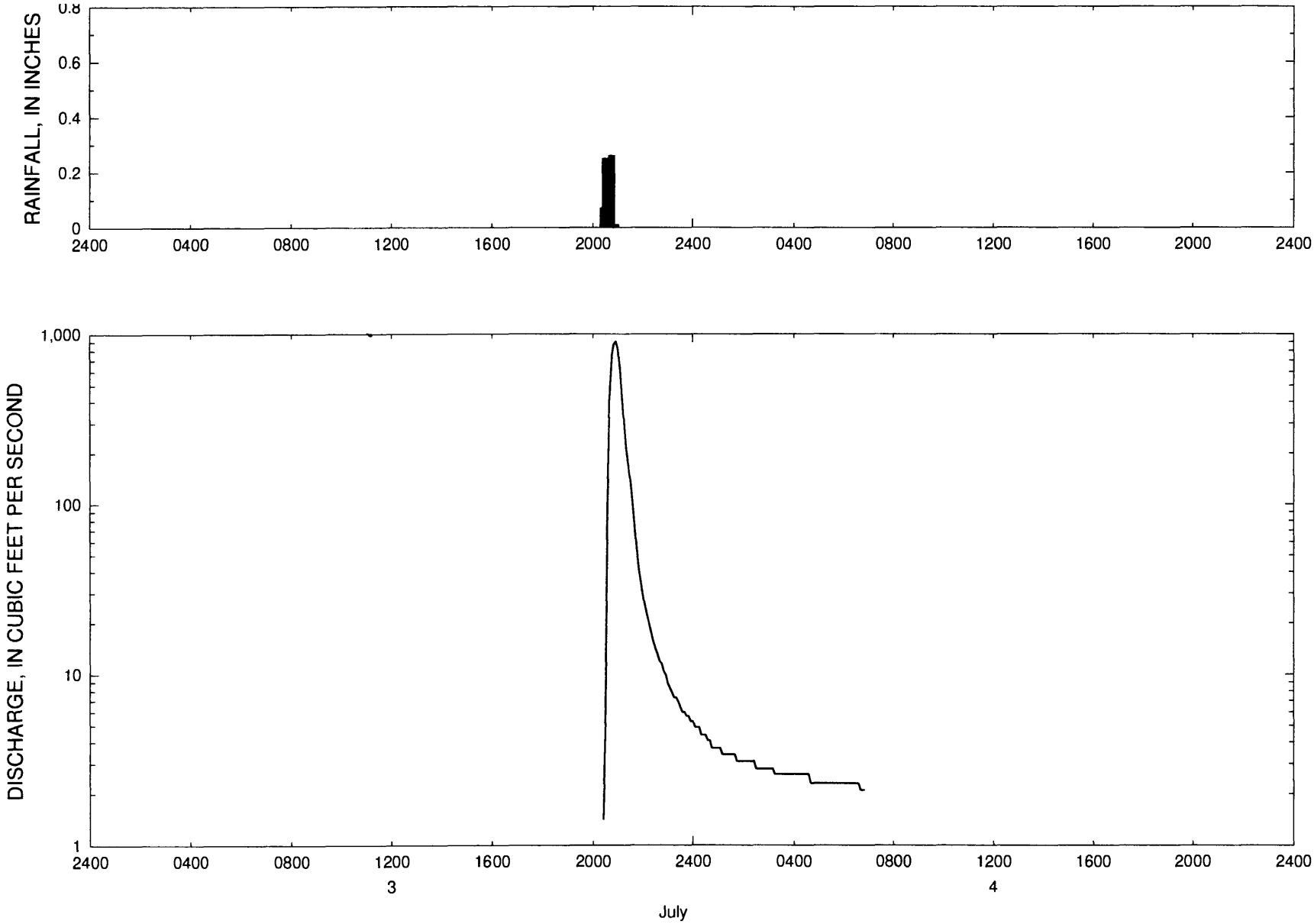


Figure 101.--Streamflow and rainfall at station 02169505, Rocky Branch at Columbia, July 3-4, 1987.

Table 100.--Streamflow and rainfall at station 02169505, Rocky Branch at Columbia, July 3-4, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 3, 1987			July 4, 1987			0335	2.6	0.00
2025	1.4	0.07	0000	5.3	0.00	0340	2.6	0.00
2030	5.7	0.25	0005	4.9	0.00	0345	2.6	0.00
2035	94.7	0.15	0010	4.9	0.00	0350	2.6	0.00
2040	412.0	0.08	0015	4.9	0.00	0355	2.6	0.00
2045	722.0	0.26	0020	4.4	0.00	0400	2.6	0.00
2050	871.0	0.00	0025	4.4	0.00	0405	2.6	0.00
2055	907.0	0.01	0030	4.4	0.00	0410	2.6	0.00
2100	825.0	0.00	0035	4.1	0.00	0415	2.6	0.00
2105	623.0	0.00	0040	4.1	0.00	0420	2.6	0.00
2110	433.0	0.00	0045	3.7	0.00	0425	2.6	0.00
2115	301.0	0.00	0050	3.7	0.00	0430	2.6	0.00
2120	217.0	0.00	0055	3.7	0.00	0435	2.6	0.00
2125	173.0	0.00	0100	3.7	0.00	0440	2.3	0.00
2130	141.0	0.00	0105	3.7	0.00	0445	2.3	0.00
2135	107.0	0.00	0110	3.4	0.00	0450	2.3	0.00
2140	77.6	0.00	0115	3.4	0.00	0455	2.3	0.00
2145	55.8	0.00	0120	3.4	0.00	0500	2.3	0.00
2150	41.9	0.00	0125	3.4	0.00	0505	2.3	0.00
2155	35.3	0.00	0130	3.4	0.00	0510	2.3	0.00
2200	29.3	0.00	0135	3.4	0.00	0515	2.3	0.00
2205	25.2	0.00	0140	3.4	0.00	0520	2.3	0.00
2210	22.2	0.00	0145	3.1	0.00	0525	2.3	0.00
2215	19.9	0.00	0150	3.1	0.00	0530	2.3	0.00
2220	17.8	0.00	0155	3.1	0.00	0535	2.3	0.00
2225	15.8	0.00	0200	3.1	0.00	0540	2.3	0.00
2230	14.4	0.00	0205	3.1	0.00	0545	2.3	0.00
2235	13.2	0.00	0210	3.1	0.00	0550	2.3	0.00
2240	12.0	0.00	0215	3.1	0.00	0555	2.3	0.00
2245	11.5	0.00	0220	3.1	0.00	0600	2.3	0.00
2250	10.4	0.00	0225	3.1	0.00	0605	2.3	0.00
2255	9.9	0.00	0230	2.8	0.00	0610	2.3	0.00
2300	8.8	0.00	0235	2.8	0.00	0615	2.3	0.00
2305	8.3	0.00	0240	2.8	0.00	0620	2.3	0.00
2310	7.8	0.00	0245	2.8	0.00	0625	2.3	0.00
2315	7.3	0.00	0250	2.8	0.00	0630	2.3	0.00
2320	7.3	0.00	0255	2.8	0.00	0635	2.3	0.00
2325	6.9	0.00	0300	2.8	0.00	0640	2.1	0.00
2330	6.4	0.00	0305	2.8	0.00	0645	2.1	0.00
2335	6.0	0.00	0310	2.8	0.00	0650	2.1	0.00
2340	6.0	0.00	0315	2.6	0.00	0655	2.1	0.00
2345	5.7	0.00	0320	2.6	0.00	0700	2.1	0.00
2350	5.7	0.00	0325	2.6	0.00			
2355	5.3	0.00	0330	2.6	0.00			

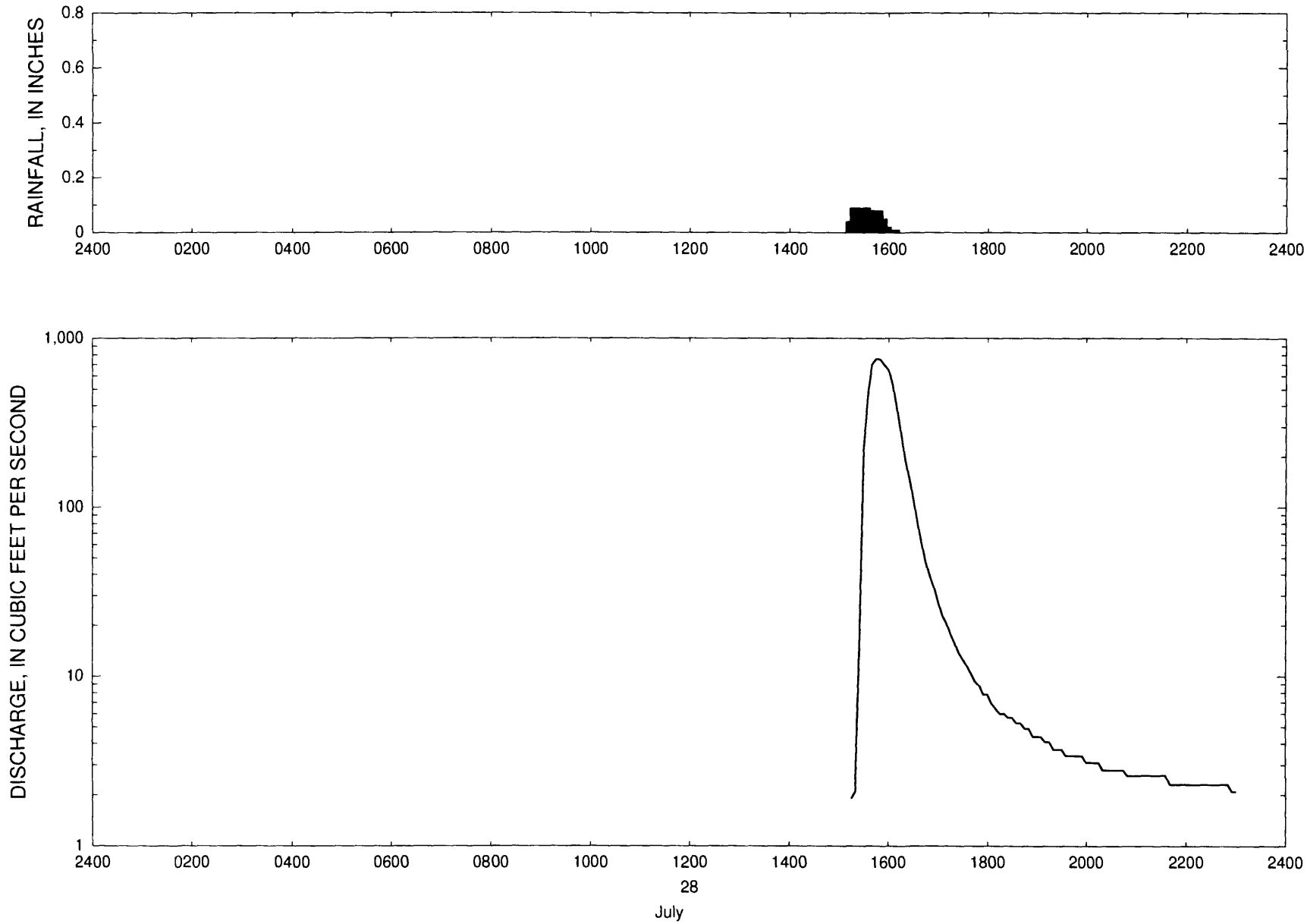


Figure 102.--Streamflow and rainfall at station 02169505, Rocky Branch at Columbia, July 28, 1987.

Table 101.--Streamflow and rainfall at station 02169505, Rocky Branch at Columbia, July 28, 1987

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
July 28, 1987			1750	8.8	0.00	2030	2.8	0.00
1515	1.9	0.04	1755	7.8	0.00	2035	2.8	0.00
1520	2.1	0.09	1800	7.8	0.00	2040	2.8	0.00
1525	15.1	0.03	1805	6.9	0.00	2045	2.8	0.00
1530	218.0	0.09	1810	6.4	0.00	2050	2.6	0.00
1535	458.0	0.05	1815	6.0	0.00	2055	2.6	0.00
1540	699.0	0.02	1820	6.0	0.00	2100	2.6	0.00
1545	760.0	0.08	1825	5.7	0.00	2105	2.6	0.00
1550	751.0	0.05	1830	5.7	0.00	2110	2.6	0.00
1555	697.0	0.02	1835	5.3	0.00	2115	2.6	0.00
1600	650.0	0.01	1840	5.3	0.00	2120	2.6	0.00
1605	533.0	0.01	1845	4.9	0.00	2125	2.6	0.00
1610	388.0	0.00	1850	4.9	0.00	2130	2.6	0.00
1615	274.0	0.00	1855	4.4	0.00	2135	2.6	0.00
1620	194.0	0.00	1900	4.4	0.00	2140	2.3	0.00
1625	149.0	0.00	1905	4.4	0.00	2145	2.3	0.00
1630	110.0	0.00	1910	4.1	0.00	2150	2.3	0.00
1635	81.1	0.00	1915	4.1	0.00	2155	2.3	0.00
1640	61.5	0.00	1920	3.7	0.00	2200	2.3	0.00
1645	47.2	0.00	1925	3.7	0.00	2205	2.3	0.00
1650	39.0	0.00	1930	3.7	0.00	2210	2.3	0.00
1655	33.5	0.00	1935	3.4	0.00	2215	2.3	0.00
1700	27.6	0.00	1940	3.4	0.00	2220	2.3	0.00
1705	23.0	0.00	1945	3.4	0.00	2225	2.3	0.00
1710	20.6	0.00	1950	3.4	0.00	2230	2.3	0.00
1715	17.8	0.00	1955	3.4	0.00	2235	2.3	0.00
1720	15.8	0.00	2000	3.1	0.00	2240	2.3	0.00
1725	13.8	0.00	2005	3.1	0.00	2245	2.3	0.00
1730	12.6	0.00	2010	3.1	0.00	2250	2.3	0.00
1735	11.5	0.00	2015	3.1	0.00	2255	2.1	0.00
1740	10.4	0.00	2020	2.8	0.00	2300	2.1	0.00
1745	9.3	0.00	2025	2.8	0.00			

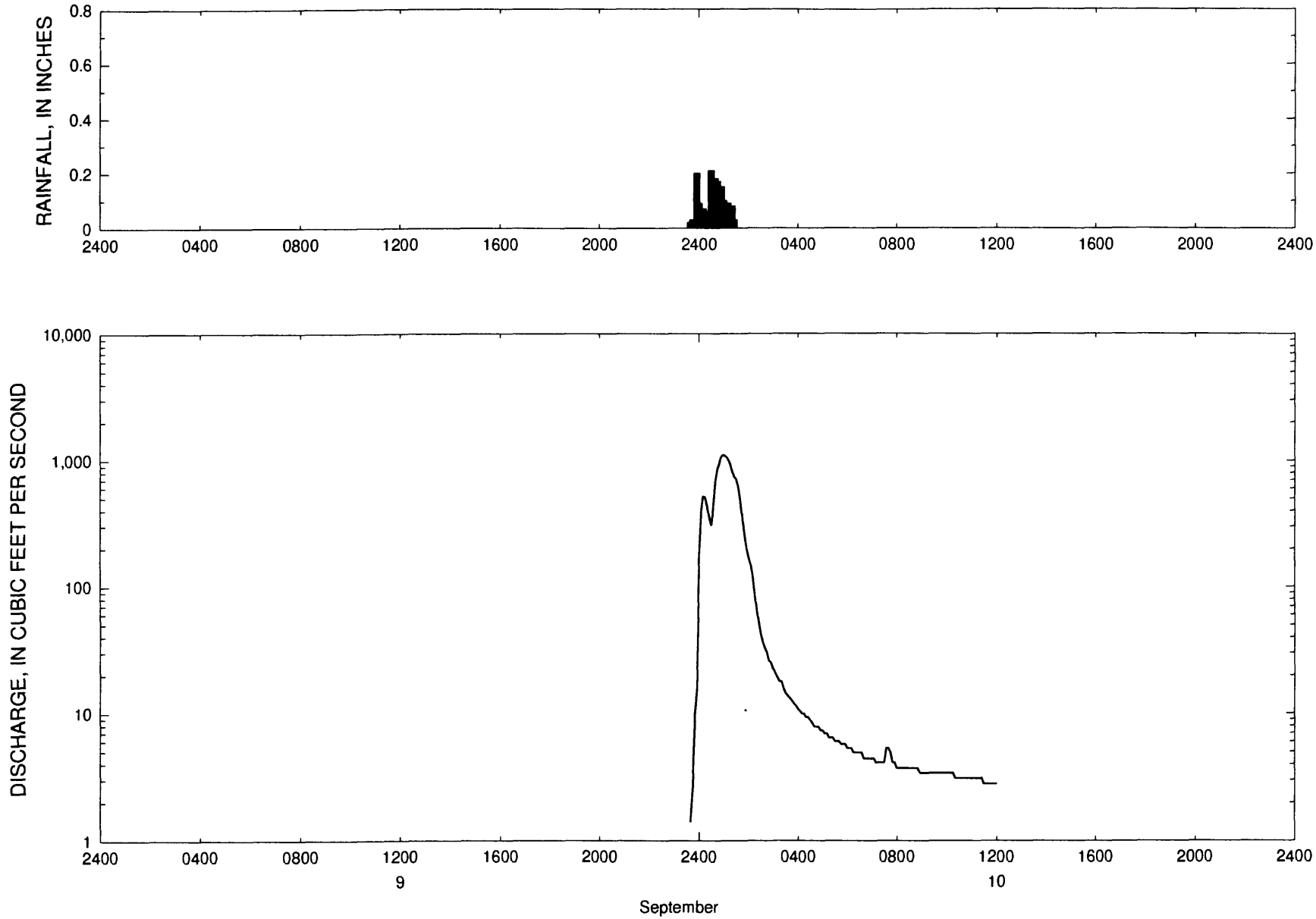


Figure 103.--Streamflow and rainfall at station 02169505, Rocky Branch at Columbia, September 9-10, 1987.

Table 102.--Streamflow and rainfall at station 02169505, Rocky Branch at Columbia, September 9-10, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 9, 1987			0340	13.2	0.00	0755	4.1	0.00
2335	1.4	0.02	0345	12.6	0.00	0800	3.7	0.00
2340	1.4	0.02	0350	12.0	0.00	0805	3.7	0.00
2345	2.6	0.03	0355	11.5	0.00	0810	3.7	0.00
2350	9.3	0.03	0400	10.9	0.00	0815	3.7	0.00
2355	15.8	0.20	0405	10.4	0.00	0820	3.7	0.00
September 10, 1987			0410	9.9	0.00	0825	3.7	0.00
0000	152.0	0.09	0415	9.9	0.00	0830	3.7	0.00
0005	367.0	0.05	0420	9.3	0.00	0835	3.7	0.00
0010	516.0	0.07	0425	9.3	0.00	0840	3.7	0.00
0015	514.0	0.06	0430	8.8	0.00	0845	3.7	0.00
0020	433.0	0.01	0435	8.3	0.00	0850	3.7	0.00
0025	349.0	0.05	0440	7.8	0.00	0855	3.4	0.00
0030	305.0	0.21	0445	7.8	0.00	0900	3.4	0.00
0035	416.0	0.15	0450	7.8	0.00	0905	3.4	0.00
0040	689.0	0.18	0455	7.3	0.00	0910	3.4	0.00
0045	855.0	0.17	0500	7.3	0.00	0915	3.4	0.00
0050	973.0	0.15	0505	6.9	0.00	0920	3.4	0.00
0055	1080.0	0.15	0510	6.9	0.00	0925	3.4	0.00
0100	1100.0	0.10	0515	6.4	0.00	0930	3.4	0.00
0105	1080.0	0.04	0520	6.4	0.00	0935	3.4	0.00
0110	1040.0	0.09	0525	6.4	0.00	0940	3.4	0.00
0115	941.0	0.05	0530	6.0	0.00	0945	3.4	0.00
0120	823.0	0.08	0535	6.0	0.00	0950	3.4	0.00
0125	745.0	0.03	0540	6.0	0.00	0955	3.4	0.00
0130	711.0	0.00	0545	5.7	0.00	1000	3.4	0.00
0135	617.0	0.00	0550	5.7	0.00	1005	3.4	0.00
0140	472.0	0.00	0555	5.7	0.00	1010	3.4	0.00
0145	343.0	0.00	0600	5.3	0.00	1015	3.4	0.00
0150	258.0	0.00	0605	5.3	0.00	1020	3.1	0.00
0155	204.0	0.00	0610	5.3	0.00	1025	3.1	0.00
0200	173.0	0.00	0615	4.9	0.00	1030	3.1	0.00
0205	152.0	0.00	0620	4.9	0.00	1035	3.1	0.00
0210	123.0	0.00	0625	4.9	0.00	1040	3.1	0.00
0215	89.6	0.00	0630	4.9	0.00	1045	3.1	0.00
0220	66.6	0.00	0635	4.9	0.00	1050	3.1	0.00
0225	51.5	0.00	0640	4.4	0.00	1055	3.1	0.00
0230	41.9	0.00	0645	4.4	0.00	1100	3.1	0.00
0235	36.2	0.00	0650	4.4	0.00	1105	3.1	0.00
0240	32.7	0.00	0655	4.4	0.00	1110	3.1	0.00
0245	30.1	0.00	0700	4.4	0.00	1115	3.1	0.00
0250	26.0	0.00	0705	4.4	0.00	1120	3.1	0.00
0255	25.2	0.00	0710	4.1	0.00	1125	3.1	0.00
0300	22.2	0.00	0715	4.1	0.00	1130	2.8	0.00
0305	20.6	0.00	0720	4.1	0.00	1135	2.8	0.00
0310	19.1	0.00	0725	4.1	0.00	1140	2.8	0.00
0315	17.8	0.00	0730	4.1	0.00	1145	2.8	0.00
0320	17.8	0.00	0735	5.3	0.00	1150	2.8	0.00
0325	15.8	0.00	0740	5.3	0.00	1155	2.8	0.00
0330	14.4	0.00	0745	4.9	0.00	1200	2.8	0.00
0335	13.8	0.00	0750	4.1	0.00			

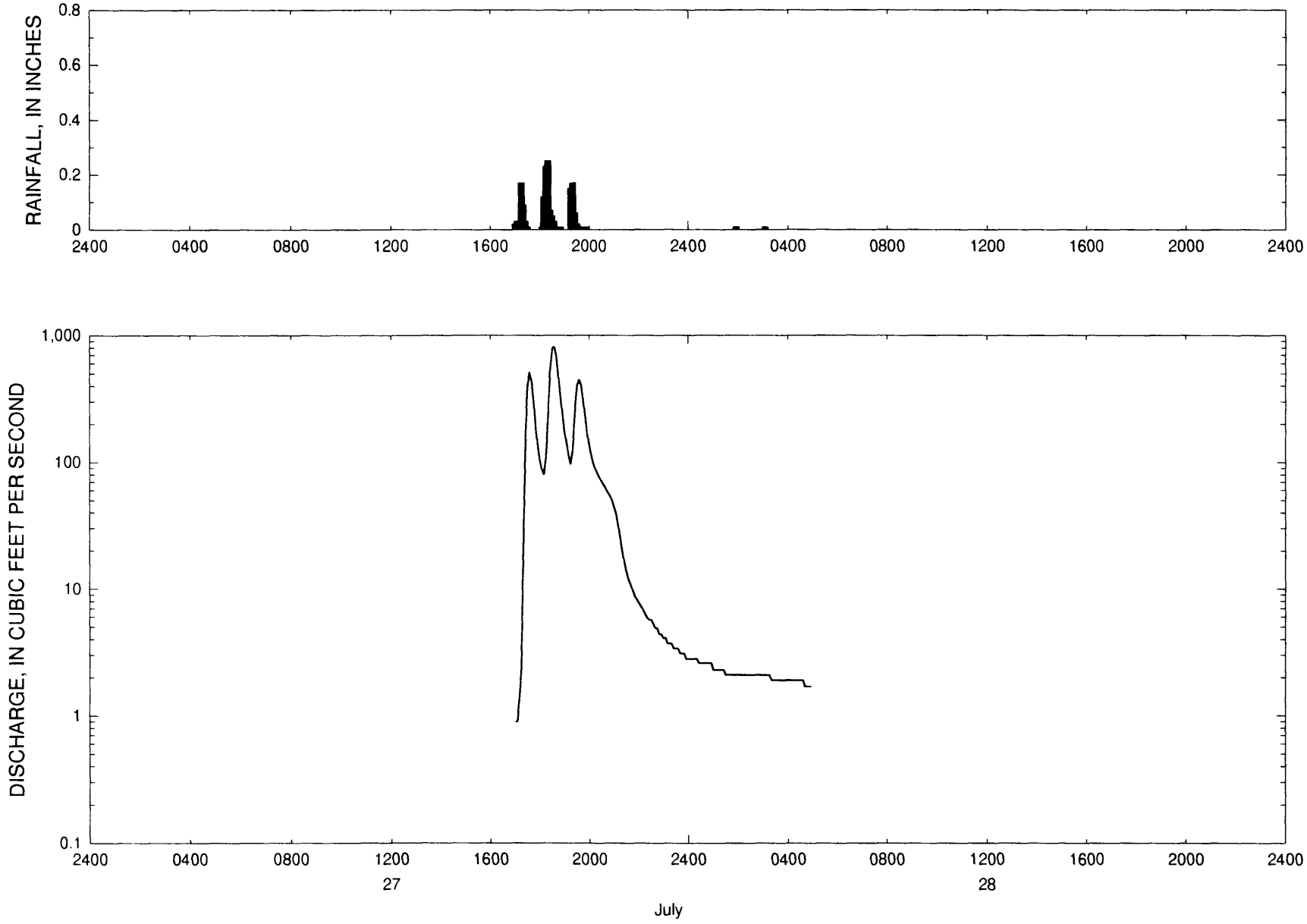


Figure 104.--Streamflow and rainfall at station 02169505, Rocky Branch at Columbia, July 27-28, 1988.

Table 103.--Streamflow and rainfall at station 02169505, Rocky Branch at Columbia, July 27-28, 1988

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 27, 1988			2105	39.0	0.00	0110	2.3	0.00
1700	0.9	0.02	2110	31.8	0.00	0115	2.3	0.00
1705	0.9	0.03	2115	25.2	0.00	0120	2.3	0.00
1710	1.4	0.03	2120	19.9	0.00	0125	2.3	0.00
1715	2.3	0.17	2125	16.4	0.00	0130	2.1	0.00
1720	20.6	0.09	2130	13.8	0.00	0135	2.1	0.00
1725	124.0	0.03	2135	12.0	0.00	0140	2.1	0.00
1730	394.0	0.01	2140	10.9	0.00	0145	2.1	0.00
1735	516.0	0.00	2145	9.9	0.00	0150	2.1	0.00
1740	433.0	0.00	2150	8.8	0.00	0155	2.1	0.01
1745	299.0	0.00	2155	8.3	0.00	0200	2.1	0.00
1750	189.0	0.00	2200	7.8	0.00	0205	2.1	0.00
1755	135.0	0.00	2205	7.3	0.00	0210	2.1	0.00
1800	105.0	0.00	2210	6.9	0.00	0215	2.1	0.00
1805	88.4	0.01	2215	6.4	0.00	0220	2.1	0.00
1810	80.0	0.12	2220	6.0	0.00	0225	2.1	0.00
1815	108.0	0.23	2225	5.7	0.00	0230	2.1	0.00
1820	235.0	0.25	2230	5.7	0.00	0235	2.1	0.00
1825	520.0	0.07	2235	5.3	0.00	0240	2.1	0.00
1830	796.0	0.05	2240	4.9	0.00	0245	2.1	0.00
1835	816.0	0.03	2245	4.9	0.00	0250	2.1	0.00
1840	688.0	0.00	2250	4.4	0.00	0255	2.1	0.00
1845	488.0	0.00	2255	4.4	0.00	0300	2.1	0.00
1850	341.0	0.01	2300	4.1	0.00	0305	2.1	0.01
1855	246.0	0.00	2305	4.1	0.00	0310	2.1	0.00
1900	176.0	0.00	2310	3.7	0.00	0315	2.1	0.00
1905	141.0	0.00	2315	3.7	0.00	0320	1.9	0.00
1910	114.0	0.00	2320	3.7	0.00	0325	1.9	0.00
1915	97.4	0.15	2325	3.4	0.00	0330	1.9	0.00
1920	124.0	0.17	2330	3.4	0.00	0335	1.9	0.00
1925	248.0	0.06	2335	3.4	0.00	0340	1.9	0.00
1930	399.0	0.02	2340	3.1	0.00	0345	1.9	0.00
1935	452.0	0.01	2345	3.1	0.00	0350	1.9	0.00
1940	403.0	0.01	2350	3.1	0.00	0355	1.9	0.00
1945	310.0	0.00	2355	2.8	0.00	0400	1.9	0.00
1950	226.0	0.01	July 28, 1988			0405	1.9	0.00
1955	168.0	0.00	0000	2.8	0.00	0410	1.9	0.00
2000	137.0	0.00	0005	2.8	0.00	0415	1.9	0.00
2005	115.0	0.00	0010	2.8	0.00	0420	1.9	0.00
2010	98.7	0.00	0015	2.8	0.00	0425	1.9	0.00
2015	88.4	0.00	0020	2.8	0.00	0430	1.9	0.00
2020	81.1	0.00	0025	2.6	0.00	0435	1.9	0.00
2025	75.4	0.00	0030	2.6	0.00	0440	1.7	0.00
2030	70.9	0.00	0035	2.6	0.00	0445	1.7	0.00
2035	66.6	0.00	0040	2.6	0.00	0450	1.7	0.00
2040	62.5	0.00	0045	2.6	0.00	0455	1.7	0.00
2045	58.1	0.00	0050	2.6	0.00	0500	1.7	0.00
2050	54.7	0.00	0055	2.6	0.00			
2055	49.4	0.00	0100	2.3	0.00			
2100	44.0	0.00	0105	2.3	0.00			

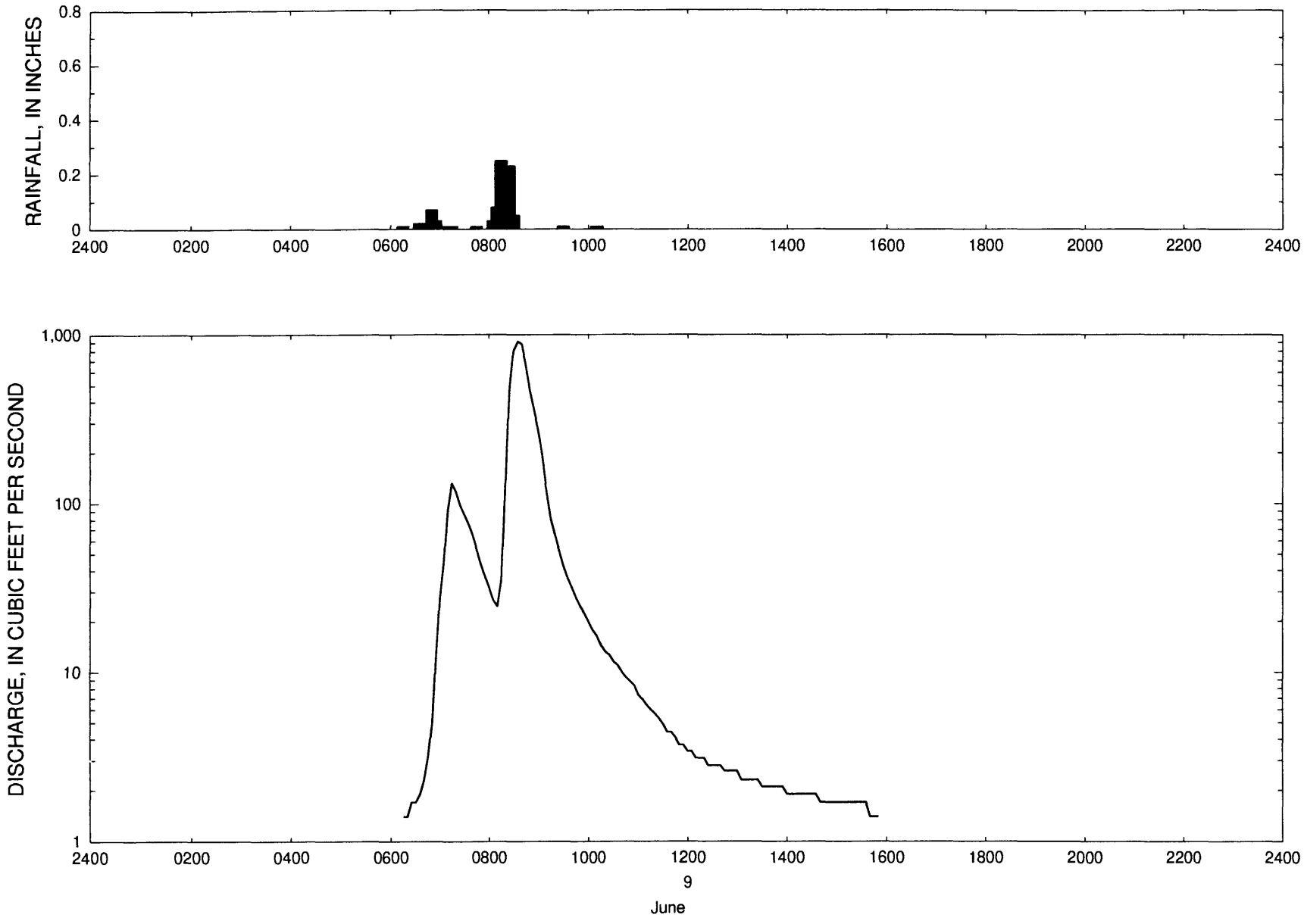


Figure 105.--Streamflow and rainfall at station 02169505, Rocky Branch at Columbia, June 9, 1989.

Table 104.--Streamflow and rainfall at station 02169505, Rocky Branch at Columbia, June 9, 1989

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
June 9, 1989			0930	42.9	0.01	1250	2.6	0.00
0615	1.4	0.01	0935	36.2	0.00	1255	2.6	0.00
0620	1.4	0.00	0940	31.8	0.00	1300	2.6	0.00
0625	1.7	0.00	0945	27.6	0.00	1305	2.3	0.00
0630	1.7	0.00	0950	24.5	0.00	1310	2.3	0.00
0635	1.9	0.02	0955	22.2	0.00	1315	2.3	0.00
0640	2.3	0.01	1000	19.9	0.00	1320	2.3	0.00
0645	3.1	0.02	1005	17.8	0.00	1325	2.3	0.00
0650	4.9	0.07	1010	16.4	0.01	1330	2.1	0.00
0655	12.6	0.03	1015	14.4	0.00	1335	2.1	0.00
0700	27.6	0.00	1020	13.2	0.00	1340	2.1	0.00
0705	44.0	0.01	1025	12.6	0.00	1345	2.1	0.00
0710	90.9	0.01	1030	11.5	0.00	1350	2.1	0.00
0715	132.0	0.01	1035	10.9	0.00	1355	2.1	0.00
0720	117.0	0.00	1040	9.9	0.00	1400	1.9	0.00
0725	97.4	0.00	1045	9.3	0.00	1405	1.9	0.00
0730	85.9	0.00	1050	8.8	0.00	1410	1.9	0.00
0735	75.4	0.00	1055	8.3	0.00	1415	1.9	0.00
0740	64.6	0.00	1100	7.3	0.00	1420	1.9	0.00
0745	53.7	0.01	1105	6.9	0.00	1425	1.9	0.00
0750	44.0	0.00	1110	6.4	0.00	1430	1.9	0.00
0755	37.1	0.00	1115	6.0	0.00	1435	1.9	0.00
0800	31.8	0.00	1120	5.7	0.00	1440	1.7	0.00
0805	26.8	0.03	1125	5.3	0.00	1445	1.7	0.00
0810	24.5	0.08	1130	4.9	0.00	1450	1.7	0.00
0815	35.3	0.25	1135	4.4	0.00	1455	1.7	0.00
0820	124.0	0.20	1140	4.4	0.00	1500	1.7	0.00
0825	468.0	0.23	1145	4.1	0.00	1505	1.7	0.00
0830	802.0	0.05	1150	3.7	0.00	1510	1.7	0.00
0835	913.0	0.00	1155	3.7	0.00	1515	1.7	0.00
0840	879.0	0.00	1200	3.4	0.00	1520	1.7	0.00
0845	665.0	0.00	1205	3.4	0.00	1525	1.7	0.00
0850	460.0	0.00	1210	3.1	0.00	1530	1.7	0.00
0855	353.0	0.00	1215	3.1	0.00	1535	1.7	0.00
0900	272.0	0.00	1220	3.1	0.00	1540	1.4	0.00
0905	192.0	0.00	1225	2.8	0.00	1545	1.4	0.00
0910	120.0	0.00	1230	2.8	0.00	1550	1.4	0.00
0915	81.1	0.00	1235	2.8	0.00	1555	1.4	0.00
0920	64.6	0.00	1240	2.8	0.00	1600	1.4	0.00
0925	52.6	0.00	1245	2.6	0.00			

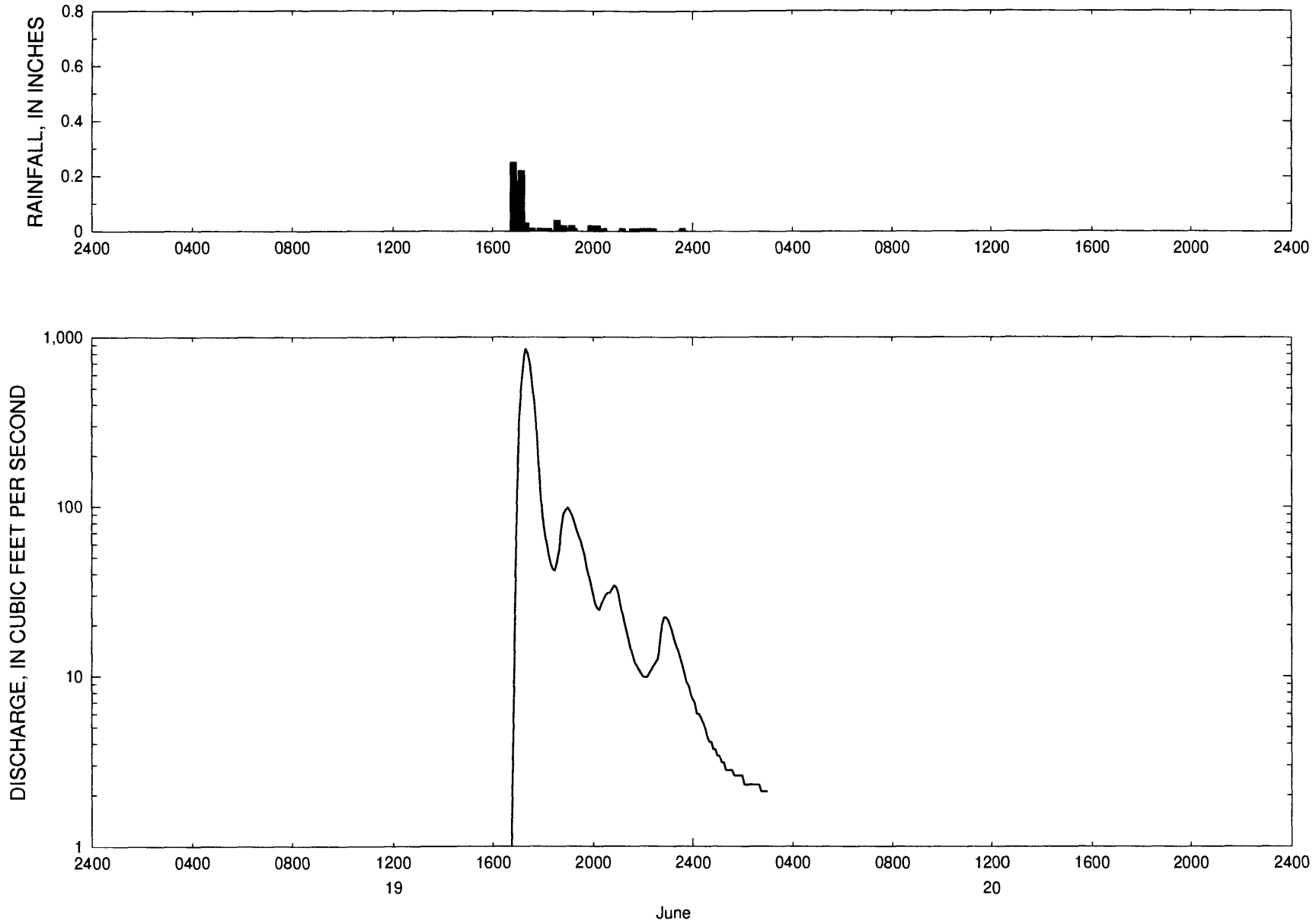


Figure 106.--Streamflow and rainfall at station 02169505, Rocky Branch at Columbia, June 19-20, 1989.

Table 105.--Streamflow and rainfall at station 02169505, Rocky Branch at Columbia, June 19-20, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 19, 1989			2010	25.2	0.02	2340	10.4	0.00
1645	1.0	0.00	2015	24.5	0.00	2345	9.3	0.00
1650	4.9	0.25	2020	26.8	0.00	2350	8.8	0.00
1655	33.5	0.18	2025	28.4	0.01	2355	7.8	0.00
1700	127.0	0.18	2030	30.1	0.00	June 20, 1989		
1705	345.0	0.18	2035	31.0	0.00	0000	7.3	0.00
1710	535.0	0.22	2040	31.0	0.00	0005	6.9	0.00
1715	734.0	0.01	2045	32.7	0.00	0010	6.0	0.00
1720	857.0	0.03	2050	34.4	0.00	0015	6.0	0.00
1725	810.0	0.00	2055	33.5	0.00	0020	5.7	0.00
1730	688.0	0.00	2100	31.0	0.00	0025	5.3	0.00
1735	539.0	0.01	2105	26.8	0.00	0030	4.9	0.00
1740	416.0	0.00	2110	23.7	0.01	0035	4.4	0.00
1745	309.0	0.00	2115	20.6	0.00	0040	4.1	0.00
1750	199.0	0.00	2120	18.4	0.00	0045	4.1	0.00
1755	126.0	0.01	2125	16.4	0.00	0050	3.7	0.00
1800	88.4	0.01	2130	14.4	0.00	0055	3.7	0.00
1805	70.9	0.01	2135	13.2	0.01	0100	3.4	0.00
1810	60.3	0.01	2140	12.0	0.00	0105	3.4	0.00
1815	51.5	0.01	2145	11.5	0.01	0110	3.1	0.00
1820	46.1	0.00	2150	10.9	0.00	0115	3.1	0.00
1825	42.9	0.00	2155	10.4	0.01	0120	2.8	0.00
1830	41.9	0.00	2200	9.9	0.00	0125	2.8	0.00
1835	47.2	0.04	2205	9.9	0.01	0130	2.8	0.00
1840	55.8	0.02	2210	9.9	0.00	0135	2.8	0.00
1845	74.2	0.00	2215	10.4	0.01	0140	2.6	0.00
1850	90.9	0.02	2220	10.9	0.00	0145	2.6	0.00
1855	96.0	0.01	2225	11.5	0.01	0150	2.6	0.00
1900	98.7	0.01	2230	12.0	0.00	0155	2.6	0.00
1905	94.1	0.00	2235	12.6	0.00	0200	2.6	0.00
1910	89.6	0.02	2240	15.1	0.00	0205	2.3	0.00
1915	82.3	0.01	2245	19.9	0.00	0210	2.3	0.00
1920	75.4	0.00	2250	22.2	0.00	0215	2.3	0.00
1925	68.8	0.00	2255	22.2	0.00	0220	2.3	0.00
1930	63.5	0.00	2300	21.4	0.00	0225	2.3	0.00
1935	56.9	0.00	2305	19.9	0.00	0230	2.3	0.00
1940	51.5	0.00	2310	18.4	0.00	0235	2.3	0.00
1945	44.0	0.00	2315	16.4	0.00	0240	2.3	0.00
1950	39.0	0.00	2320	15.1	0.00	0245	2.1	0.00
1955	34.4	0.02	2325	13.8	0.00	0250	2.1	0.00
2000	30.1	0.01	2330	12.6	0.00	0255	2.1	0.00
2005	26.8	0.01	2335	11.5	0.01	0300	2.1	0.00

Station 02169568, Pen Branch at Columbia, S.C.

Location.--Lat 34°00'46", long 80°58'56", Richland County, Hydrologic Unit 03050110, at culvert on Brentwood Street (road F-1507), 0.6 mi southeast of the intersection of Forest Drive (S.C. Highway 12) and Beltline Boulevard (S.C. Highway 16), and 1.3 mi upstream from the mouth at Lake Katherine (Gills Creek).

Period of record.-- October 15, 1985 to October 11, 1990.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to a free-standing platform on the right bank approximately 15 ft upstream from the double 7 ft reinforced concrete pipe culverts. An enameled staff gage is attached to the platform. A crest-stage indicator is located on the right downstream wingwall.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 78 ft^3/s. The stage-streamflow relation was extended to 1,045 ft^3/s using indirect computational methods.

Rain gage and location.--Station 340053080590200, lat 34°00'53", long 80°59'02". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval near the A.C. Flora High School recreation field on Falcon Drive (road F-1507), 3.0 mi east of the State Capitol Building.

Selected basin characteristics.--

Drainage area -- 2.26 mi^2
Physiographic province -- Inner Coastal Plain
Channel slope -- 55.5 ft/mi
Channel length -- 2.30 mi
Total impervious area -- 29.0 percent
Basin development factor -- 10
2-year, 2-hour rainfall amount -- 2.10 in.

Flood frequency data:		
	UQ_2	378 ft^3/s
	UQ_5	596 ft^3/s
	UQ_{10}	749 ft^3/s
	UQ_{25}	949 ft^3/s
	UQ_{50}	1,100 ft^3/s
	UQ_{100}	1,260 ft^3/s
	UQ_{500}	1,630 ft^3/s

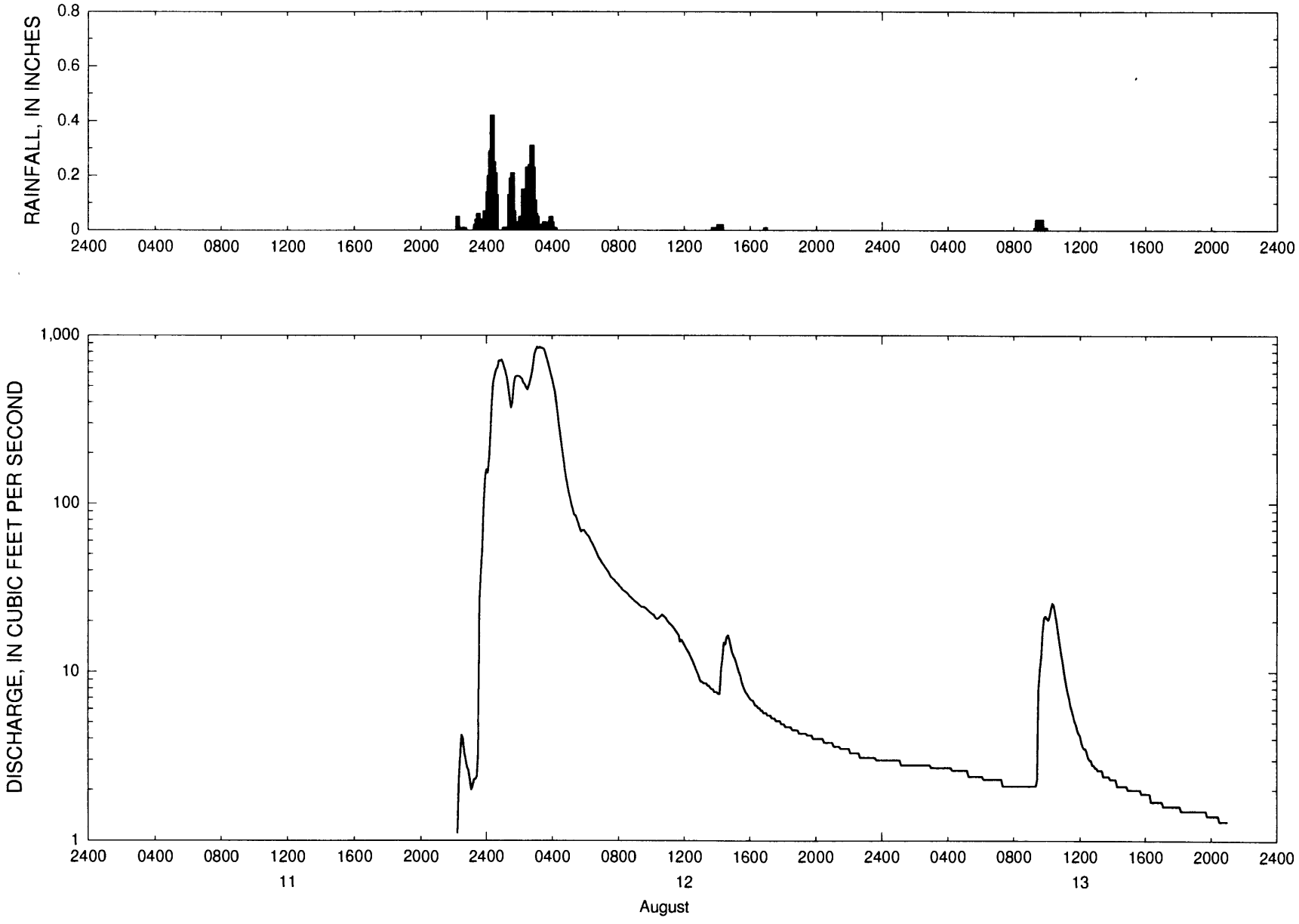


Figure 107.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, August 11-13, 1986.

Table 106.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, August 11-13, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 11, 1986			0330	832.0	0.03	0855	26.8	0.00
2215	1.1	0.05	0335	780.0	0.02	0900	26.4	0.00
2220	2.3	0.00	0340	733.0	0.01	0905	26.0	0.00
2225	3.1	0.00	0345	679.0	0.01	0910	25.6	0.00
2230	4.2	0.01	0350	635.0	0.03	0915	25.1	0.00
2235	4.0	0.00	0355	590.0	0.05	0920	24.7	0.00
2240	3.3	0.01	0400	549.0	0.03	0925	24.3	0.00
2245	3.0	0.00	0405	507.0	0.00	0930	24.3	0.00
2250	2.7	0.00	0410	465.0	0.01	0935	24.3	0.00
2255	2.6	0.00	0415	401.0	0.00	0940	23.9	0.00
2300	2.3	0.00	0420	341.0	0.00	0945	23.5	0.00
2305	2.0	0.00	0425	291.0	0.00	0950	23.1	0.00
2310	2.1	0.00	0430	249.0	0.00	0955	22.6	0.00
2315	2.3	0.00	0435	216.0	0.00	1000	22.3	0.00
2320	2.3	0.02	0440	188.0	0.00	1005	21.9	0.00
2325	2.4	0.04	0445	165.0	0.00	1010	21.9	0.00
2330	3.3	0.06	0450	144.0	0.00	1015	21.1	0.00
2335	26.8	0.04	0455	129.0	0.00	1020	20.7	0.00
2340	38.9	0.04	0500	117.0	0.00	1025	20.7	0.00
2345	54.3	0.02	0505	108.0	0.00	1030	21.1	0.00
2350	99.5	0.01	0510	99.5	0.00	1035	21.5	0.00
2355	145.0	0.07	0515	93.0	0.00	1040	21.9	0.00
August 12, 1986			0520	86.0	0.00	1045	21.5	0.00
0000	160.0	0.03	0525	85.3	0.00	1050	21.1	0.00
0005	152.0	0.14	0530	81.1	0.00	1055	20.7	0.00
0010	187.0	0.20	0535	76.3	0.00	1100	20.0	0.00
0015	264.0	0.29	0540	71.7	0.00	1105	19.6	0.00
0020	412.0	0.42	0545	67.9	0.00	1110	19.2	0.00
0025	531.0	0.25	0550	69.8	0.00	1115	18.9	0.00
0030	584.0	0.21	0555	69.8	0.00	1120	18.5	0.00
0035	625.0	0.13	0600	67.9	0.00	1125	18.0	0.00
0040	648.0	0.00	0605	66.1	0.00	1130	17.5	0.00
0045	712.0	0.00	0610	64.8	0.00	1135	17.0	0.00
0050	705.0	0.00	0615	63.0	0.00	1140	16.6	0.00
0055	719.0	0.00	0620	60.0	0.00	1145	15.1	0.00
0100	689.0	0.00	0625	58.3	0.00	1150	15.6	0.00
0105	644.0	0.01	0630	56.0	0.00	1155	15.1	0.00
0110	608.0	0.01	0635	53.8	0.00	1200	14.6	0.00
0115	557.0	0.00	0640	51.6	0.00	1205	14.1	0.00
0120	493.0	0.01	0645	49.4	0.00	1210	13.6	0.00
0125	421.0	0.13	0650	47.5	0.00	1215	13.2	0.00
0130	372.0	0.19	0655	46.3	0.00	1220	12.7	0.00
0135	404.0	0.21	0700	44.5	0.00	1225	12.2	0.00
0140	508.0	0.07	0705	43.4	0.00	1230	11.7	0.00
0145	568.0	0.03	0710	42.2	0.00	1235	11.2	0.00
0150	571.0	0.02	0715	41.1	0.00	1240	10.7	0.00
0155	575.0	0.02	0720	40.0	0.00	1245	10.2	0.00
0200	572.0	0.02	0725	38.9	0.00	1250	9.8	0.00
0205	563.0	0.05	0730	37.3	0.00	1255	9.3	0.00
0210	552.0	0.03	0735	36.3	0.00	1300	8.8	0.00
0215	524.0	0.15	0740	35.8	0.00	1305	8.8	0.00
0220	514.0	0.11	0745	35.3	0.00	1310	8.6	0.00
0225	493.0	0.06	0750	34.3	0.00	1315	8.6	0.00
0230	476.0	0.23	0755	33.8	0.00	1320	8.6	0.00
0235	504.0	0.14	0800	33.3	0.00	1325	8.3	0.00
0240	544.0	0.24	0805	32.3	0.00	1330	8.3	0.00
0245	590.0	0.31	0810	31.8	0.00	1335	8.1	0.00
0250	670.0	0.23	0815	30.9	0.00	1340	7.9	0.00
0255	775.0	0.11	0820	30.4	0.00	1345	7.9	0.01
0300	821.0	0.06	0825	30.0	0.00	1350	7.6	0.00
0305	859.0	0.05	0830	29.5	0.00	1355	7.6	0.00
0310	843.0	0.02	0835	29.0	0.00	1400	7.6	0.00
0315	859.0	0.01	0840	28.2	0.00	1405	7.4	0.02
0320	843.0	0.01	0845	27.7	0.00	1410	7.4	0.01
0325	843.0	0.02	0850	27.3	0.00	1415	10.3	0.02

Table 106.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, August 11-13, 1986--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1420	12.0	0.00	1945	4.2	0.00	0105	3.0	0.00
1425	14.9	0.00	1950	4.0	0.00	0110	2.8	0.00
1430	14.6	0.00	1955	4.0	0.00	0115	2.8	0.00
1435	16.1	0.00	2000	4.0	0.00	0120	2.8	0.00
1440	16.5	0.00	2005	4.0	0.00	0125	2.8	0.00
1445	15.5	0.00	2010	4.0	0.00	0130	2.8	0.00
1450	14.3	0.00	2015	4.0	0.00	0135	2.8	0.00
1455	13.1	0.00	2020	4.0	0.00	0140	2.8	0.00
1500	12.5	0.00	2025	4.0	0.00	0145	2.8	0.00
1505	12.0	0.00	2030	3.8	0.00	0150	2.8	0.00
1510	11.4	0.00	2035	3.8	0.00	0155	2.8	0.00
1515	10.6	0.00	2040	3.8	0.00	0200	2.8	0.00
1520	10.0	0.00	2045	3.8	0.00	0205	2.8	0.00
1525	9.5	0.00	2050	3.8	0.00	0210	2.8	0.00
1530	8.8	0.00	2055	3.8	0.00	0215	2.8	0.00
1535	8.3	0.00	2100	3.8	0.00	0220	2.8	0.00
1540	7.9	0.00	2105	3.6	0.00	0225	2.8	0.00
1545	7.6	0.00	2110	3.6	0.00	0230	2.8	0.00
1550	7.4	0.00	2115	3.6	0.00	0235	2.8	0.00
1555	7.2	0.00	2120	3.6	0.00	0240	2.8	0.00
1600	7.0	0.00	2125	3.6	0.00	0245	2.8	0.00
1605	6.8	0.00	2130	3.5	0.00	0250	2.8	0.00
1610	6.8	0.00	2135	3.5	0.00	0255	2.8	0.00
1615	6.6	0.00	2140	3.5	0.00	0300	2.7	0.00
1620	6.3	0.00	2145	3.5	0.00	0305	2.7	0.00
1625	6.3	0.00	2150	3.5	0.00	0310	2.7	0.00
1630	6.1	0.00	2155	3.5	0.00	0315	2.7	0.00
1635	6.1	0.00	2200	3.5	0.00	0320	2.7	0.00
1640	5.9	0.00	2205	3.3	0.00	0325	2.7	0.00
1645	5.9	0.00	2210	3.3	0.00	0330	2.7	0.00
1650	5.7	0.00	2215	3.3	0.00	0335	2.7	0.00
1655	5.7	0.01	2220	3.3	0.00	0340	2.7	0.00
1700	5.7	0.00	2225	3.3	0.00	0345	2.7	0.00
1705	5.5	0.00	2230	3.3	0.00	0350	2.7	0.00
1710	5.5	0.00	2235	3.3	0.00	0355	2.7	0.00
1715	5.5	0.00	2240	3.1	0.00	0400	2.7	0.00
1720	5.3	0.00	2245	3.1	0.00	0405	2.7	0.00
1725	5.3	0.00	2250	3.1	0.00	0410	2.7	0.00
1730	5.3	0.00	2255	3.1	0.00	0415	2.6	0.00
1735	5.1	0.00	2300	3.1	0.00	0420	2.6	0.00
1740	5.1	0.00	2305	3.1	0.00	0425	2.6	0.00
1745	5.1	0.00	2310	3.1	0.00	0430	2.6	0.00
1750	5.1	0.00	2315	3.1	0.00	0435	2.6	0.00
1755	4.9	0.00	2320	3.1	0.00	0440	2.6	0.00
1800	4.9	0.00	2325	3.1	0.00	0445	2.6	0.00
1805	4.9	0.00	2330	3.1	0.00	0450	2.6	0.00
1810	4.7	0.00	2335	3.1	0.00	0455	2.6	0.00
1815	4.7	0.00	2340	3.0	0.00	0500	2.6	0.00
1820	4.7	0.00	2345	3.0	0.00	0505	2.6	0.00
1825	4.7	0.00	2350	3.0	0.00	0510	2.6	0.00
1830	4.7	0.00	2355	3.0	0.00	0515	2.4	0.00
1835	4.5	0.00	August 13, 1986			0520	2.4	0.00
1840	4.5	0.00	0000	3.0	0.00	0525	2.4	0.00
1845	4.5	0.00	0005	3.0	0.00	0530	2.4	0.00
1850	4.5	0.00	0010	3.0	0.00	0535	2.4	0.00
1855	4.5	0.00	0015	3.0	0.00	0540	2.4	0.00
1900	4.3	0.00	0020	3.0	0.00	0545	2.4	0.00
1905	4.3	0.00	0025	3.0	0.00	0550	2.4	0.00
1910	4.3	0.00	0030	3.0	0.00	0555	2.4	0.00
1915	4.3	0.00	0035	3.0	0.00	0600	2.4	0.00
1920	4.3	0.00	0040	3.0	0.00	0605	2.4	0.00
1925	4.3	0.00	0045	3.0	0.00	0610	2.3	0.00
1930	4.2	0.00	0050	3.0	0.00	0615	2.3	0.00
1935	4.2	0.00	0055	3.0	0.00	0620	2.3	0.00
1940	4.2	0.00	0100	3.0	0.00	0625	2.3	0.00

Table 106.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, August 11-13, 1986--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
0630	2.3	0.00	1125	6.3	0.00	1620	1.7	0.00
0635	2.3	0.00	1130	5.9	0.00	1625	1.7	0.00
0640	2.3	0.00	1135	5.5	0.00	1630	1.7	0.00
0645	2.3	0.00	1140	5.1	0.00	1635	1.7	0.00
0650	2.3	0.00	1145	4.9	0.00	1640	1.7	0.00
0655	2.3	0.00	1150	4.5	0.00	1645	1.7	0.00
0700	2.3	0.00	1155	4.3	0.00	1650	1.7	0.00
0705	2.3	0.00	1200	4.2	0.00	1655	1.7	0.00
0710	2.3	0.00	1205	3.8	0.00	1700	1.7	0.00
0715	2.3	0.00	1210	3.6	0.00	1705	1.6	0.00
0720	2.1	0.00	1215	3.5	0.00	1710	1.6	0.00
0725	2.1	0.00	1220	3.5	0.00	1715	1.6	0.00
0730	2.1	0.00	1225	3.3	0.00	1720	1.6	0.00
0735	2.1	0.00	1230	3.1	0.00	1725	1.6	0.00
0740	2.1	0.00	1235	3.0	0.00	1730	1.6	0.00
0745	2.1	0.00	1240	3.0	0.00	1735	1.6	0.00
0750	2.1	0.00	1245	2.8	0.00	1740	1.6	0.00
0755	2.1	0.00	1250	2.8	0.00	1745	1.6	0.00
0800	2.1	0.00	1255	2.7	0.00	1750	1.6	0.00
0805	2.1	0.00	1300	2.7	0.00	1755	1.6	0.00
0810	2.1	0.00	1305	2.6	0.00	1800	1.6	0.00
0815	2.1	0.00	1310	2.6	0.00	1805	1.6	0.00
0820	2.1	0.00	1315	2.6	0.00	1810	1.5	0.00
0825	2.1	0.00	1320	2.6	0.00	1815	1.5	0.00
0830	2.1	0.00	1325	2.4	0.00	1820	1.5	0.00
0835	2.1	0.00	1330	2.4	0.00	1825	1.5	0.00
0840	2.1	0.00	1335	2.4	0.00	1830	1.5	0.00
0845	2.1	0.00	1340	2.4	0.00	1835	1.5	0.00
0850	2.1	0.00	1345	2.4	0.00	1840	1.5	0.00
0855	2.1	0.00	1350	2.3	0.00	1845	1.5	0.00
0900	2.1	0.00	1355	2.3	0.00	1850	1.5	0.00
0905	2.1	0.00	1400	2.3	0.00	1855	1.5	0.00
0910	2.1	0.00	1405	2.3	0.00	1900	1.5	0.00
0915	2.1	0.00	1410	2.3	0.00	1905	1.5	0.00
0920	2.1	0.01	1415	2.1	0.00	1910	1.5	0.00
0925	2.3	0.04	1420	2.1	0.00	1915	1.5	0.00
0930	7.9	0.02	1425	2.1	0.00	1920	1.5	0.00
0935	10.3	0.03	1430	2.1	0.00	1925	1.5	0.00
0940	12.3	0.04	1435	2.1	0.00	1930	1.5	0.00
0945	17.5	0.00	1440	2.1	0.00	1935	1.5	0.00
0950	21.1	0.00	1445	2.1	0.00	1940	1.5	0.00
0955	21.5	0.01	1450	2.1	0.00	1945	1.4	0.00
1000	20.7	0.00	1455	2.0	0.00	1950	1.4	0.00
1005	20.3	0.00	1500	2.0	0.00	1955	1.4	0.00
1010	21.5	0.00	1505	2.0	0.00	2000	1.4	0.00
1015	23.9	0.00	1510	2.0	0.00	2005	1.4	0.00
1020	25.6	0.00	1515	2.0	0.00	2010	1.4	0.00
1025	24.7	0.00	1520	2.0	0.00	2015	1.4	0.00
1030	22.3	0.00	1525	2.0	0.00	2020	1.4	0.00
1035	20.0	0.00	1530	2.0	0.00	2025	1.4	0.00
1040	17.5	0.00	1535	2.0	0.00	2030	1.3	0.00
1045	15.2	0.00	1540	2.0	0.00	2035	1.3	0.00
1050	13.4	0.00	1545	1.9	0.00	2040	1.3	0.00
1055	12.0	0.00	1550	1.9	0.00	2045	1.3	0.00
1100	10.6	0.00	1555	1.9	0.00	2050	1.3	0.00
1105	9.3	0.00	1600	1.9	0.00	2055	1.3	0.00
1110	8.3	0.00	1605	1.9	0.00	2100	1.3	0.00
1115	7.6	0.00	1610	1.9	0.00			
1120	7.0	0.00	1615	1.9	0.00			

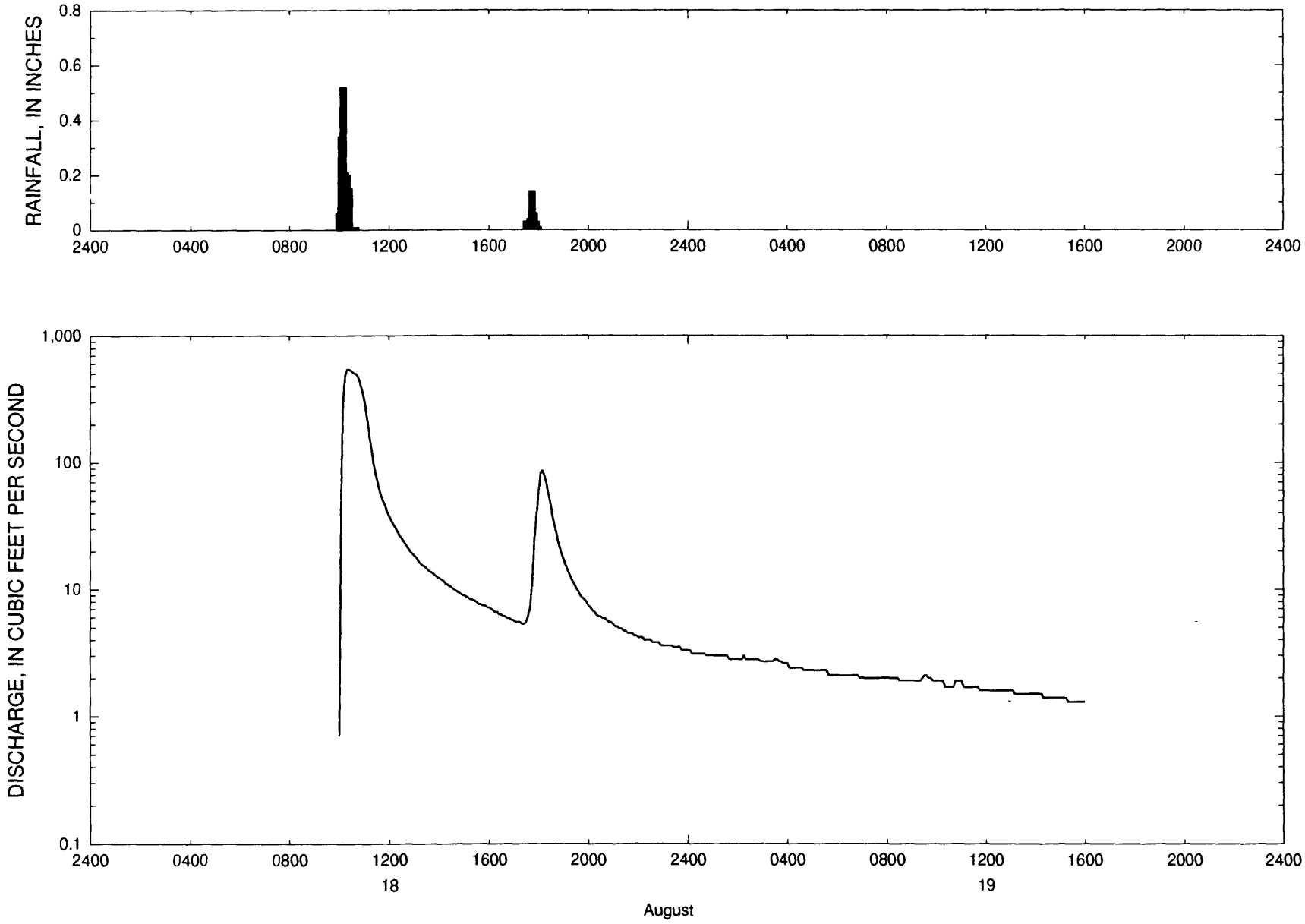


Figure 103.--Streamflow and rainfall at station 02169503, Pen Branch at Columbia, August 18-19, 1993.

Table 107.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, August 18-19, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 18, 1986			1520	8.3	0.00	2045	5.7	0.00
1000	0.7	0.06	1525	8.1	0.00	2050	5.5	0.00
1005	50.0	0.34	1530	7.9	0.00	2055	5.5	0.00
1010	294.0	0.52	1535	7.6	0.00	2100	5.3	0.00
1015	486.0	0.21	1540	7.6	0.00	2105	5.1	0.00
1020	544.0	0.20	1545	7.4	0.00	2110	5.1	0.00
1025	541.0	0.15	1550	7.4	0.00	2115	4.9	0.00
1030	527.0	0.01	1555	7.2	0.00	2120	4.9	0.00
1035	508.0	0.00	1600	7.2	0.00	2125	4.7	0.00
1040	502.0	0.01	1605	7.0	0.00	2130	4.7	0.00
1045	480.0	0.00	1610	6.8	0.00	2135	4.5	0.00
1050	436.0	0.00	1615	6.6	0.00	2140	4.5	0.00
1055	384.0	0.00	1620	6.6	0.00	2145	4.5	0.00
1100	322.0	0.00	1625	6.3	0.00	2150	4.3	0.00
1105	256.0	0.00	1630	6.3	0.00	2155	4.3	0.00
1110	197.0	0.00	1635	6.1	0.00	2200	4.2	0.00
1115	149.0	0.00	1640	6.1	0.00	2205	4.2	0.00
1120	115.0	0.00	1645	5.9	0.00	2210	4.2	0.00
1125	91.4	0.00	1650	5.9	0.00	2215	4.0	0.00
1130	75.0	0.00	1655	5.7	0.00	2220	4.0	0.00
1135	64.8	0.00	1700	5.7	0.00	2225	4.0	0.00
1140	56.6	0.00	1705	5.5	0.00	2230	4.0	0.00
1145	50.5	0.00	1710	5.5	0.00	2235	3.8	0.00
1150	46.3	0.00	1715	5.5	0.00	2240	3.8	0.00
1155	41.7	0.00	1720	5.3	0.00	2245	3.8	0.00
1200	38.4	0.00	1725	5.3	0.00	2250	3.8	0.00
1205	35.3	0.00	1730	5.5	0.03	2255	3.6	0.00
1210	32.8	0.00	1735	6.1	0.00	2300	3.6	0.00
1215	30.9	0.00	1740	7.4	0.04	2305	3.6	0.00
1220	28.6	0.00	1745	11.4	0.14	2310	3.6	0.00
1225	26.8	0.00	1750	24.3	0.06	2315	3.6	0.00
1230	25.6	0.00	1755	37.3	0.03	2320	3.6	0.00
1235	23.9	0.00	1800	56.0	0.01	2325	3.5	0.00
1240	22.6	0.00	1805	81.8	0.00	2330	3.5	0.00
1245	21.1	0.00	1810	86.8	0.00	2335	3.5	0.00
1250	20.0	0.00	1815	78.4	0.00	2340	3.5	0.00
1255	19.2	0.00	1820	66.7	0.00	2345	3.3	0.00
1300	18.5	0.00	1825	56.0	0.00	2350	3.3	0.00
1305	17.8	0.00	1830	45.7	0.00	2355	3.3	0.00
1310	16.8	0.00	1835	36.8	0.00	August 19, 1986		
1315	16.1	0.00	1840	30.9	0.00	0000	3.3	0.00
1320	15.5	0.00	1845	26.4	0.00	0005	3.3	0.00
1325	15.2	0.00	1850	22.6	0.00	0010	3.1	0.00
1330	14.6	0.00	1855	19.6	0.00	0015	3.1	0.00
1335	14.0	0.00	1900	17.5	0.00	0020	3.1	0.00
1340	13.7	0.00	1905	15.8	0.00	0025	3.1	0.00
1345	13.4	0.00	1910	14.3	0.00	0030	3.1	0.00
1350	12.8	0.00	1915	13.1	0.00	0035	3.1	0.00
1355	12.5	0.00	1920	12.0	0.00	0040	3.1	0.00
1400	12.3	0.00	1925	11.1	0.00	0045	3.0	0.00
1405	12.0	0.00	1930	10.3	0.00	0050	3.0	0.00
1410	11.7	0.00	1935	9.8	0.00	0055	3.0	0.00
1415	11.1	0.00	1940	9.0	0.00	0100	3.0	0.00
1420	10.9	0.00	1945	8.6	0.00	0105	3.0	0.00
1425	10.6	0.00	1950	8.3	0.00	0110	3.0	0.00
1430	10.3	0.00	1955	7.9	0.00	0115	3.0	0.00
1435	10.0	0.00	2000	7.4	0.00	0120	3.0	0.00
1440	9.8	0.00	2005	7.2	0.00	0125	3.0	0.00
1445	9.5	0.00	2010	6.8	0.00	0130	3.0	0.00
1450	9.3	0.00	2015	6.6	0.00	0135	3.0	0.00
1455	9.0	0.00	2020	6.3	0.00	0140	2.8	0.00
1500	9.0	0.00	2025	6.1	0.00	0145	2.8	0.00
1505	8.8	0.00	2030	6.1	0.00	0150	2.8	0.00
1510	8.6	0.00	2035	5.9	0.00	0155	2.8	0.00
1515	8.3	0.00	2040	5.9	0.00	0200	2.8	0.00

Table 107.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, August 18-19, 1986--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0205	2.8	0.00	0645	2.1	0.00	1125	1.7	0.00
0210	2.8	0.00	0650	2.1	0.00	1130	1.7	0.00
0215	3.0	0.00	0655	2.0	0.00	1135	1.7	0.00
0220	2.8	0.00	0700	2.0	0.00	1140	1.7	0.00
0225	2.8	0.00	0705	2.0	0.00	1145	1.6	0.00
0230	2.8	0.00	0710	2.0	0.00	1150	1.6	0.00
0235	2.8	0.00	0715	2.0	0.00	1155	1.6	0.00
0240	2.8	0.00	0720	2.0	0.00	1200	1.6	0.00
0245	2.8	0.00	0725	2.0	0.00	1205	1.6	0.00
0250	2.8	0.00	0730	2.0	0.00	1210	1.6	0.00
0255	2.7	0.00	0735	2.0	0.00	1215	1.6	0.00
0300	2.7	0.00	0740	2.0	0.00	1220	1.6	0.00
0305	2.7	0.00	0745	2.0	0.00	1225	1.6	0.00
0310	2.7	0.00	0750	2.0	0.00	1230	1.6	0.00
0315	2.7	0.00	0755	2.0	0.00	1235	1.6	0.00
0320	2.7	0.00	0800	2.0	0.00	1240	1.6	0.00
0325	2.7	0.00	0805	2.0	0.00	1245	1.6	0.00
0330	2.8	0.00	0810	2.0	0.00	1250	1.6	0.00
0335	2.8	0.00	0815	2.0	0.00	1255	1.6	0.00
0340	2.7	0.00	0820	2.0	0.00	1300	1.6	0.00
0345	2.7	0.00	0825	2.0	0.00	1305	1.6	0.00
0350	2.6	0.00	0830	1.9	0.00	1310	1.5	0.00
0355	2.6	0.00	0835	1.9	0.00	1315	1.5	0.00
0400	2.6	0.00	0840	1.9	0.00	1320	1.5	0.00
0405	2.4	0.00	0845	1.9	0.00	1325	1.5	0.00
0410	2.4	0.00	0850	1.9	0.00	1330	1.5	0.00
0415	2.4	0.00	0855	1.9	0.00	1335	1.5	0.00
0420	2.4	0.00	0900	1.9	0.00	1340	1.5	0.00
0425	2.4	0.00	0905	1.9	0.00	1345	1.5	0.00
0430	2.4	0.00	0910	1.9	0.00	1350	1.5	0.00
0435	2.4	0.00	0915	1.9	0.00	1355	1.5	0.00
0440	2.3	0.00	0920	1.9	0.00	1400	1.5	0.00
0445	2.3	0.00	0925	2.0	0.00	1405	1.5	0.00
0450	2.3	0.00	0930	2.1	0.00	1410	1.5	0.00
0455	2.3	0.00	0935	2.1	0.00	1415	1.5	0.00
0500	2.3	0.00	0940	2.0	0.00	1420	1.4	0.00
0505	2.3	0.00	0945	2.0	0.00	1425	1.4	0.00
0510	2.3	0.00	0950	1.9	0.00	1430	1.4	0.00
0515	2.3	0.00	0955	1.9	0.00	1435	1.4	0.00
0520	2.3	0.00	1000	1.9	0.00	1440	1.4	0.00
0525	2.3	0.00	1005	1.9	0.00	1445	1.4	0.00
0530	2.3	0.00	1010	1.9	0.00	1450	1.4	0.00
0535	2.3	0.00	1015	1.9	0.00	1455	1.4	0.00
0540	2.1	0.00	1020	1.7	0.00	1500	1.4	0.00
0545	2.1	0.00	1025	1.7	0.00	1505	1.4	0.00
0550	2.1	0.00	1030	1.7	0.00	1510	1.4	0.00
0555	2.1	0.00	1035	1.7	0.00	1515	1.4	0.00
0600	2.1	0.00	1040	1.7	0.00	1520	1.3	0.00
0605	2.1	0.00	1045	1.9	0.00	1525	1.3	0.00
0610	2.1	0.00	1050	1.9	0.00	1530	1.3	0.00
0615	2.1	0.00	1055	1.9	0.00	1535	1.3	0.00
0620	2.1	0.00	1100	1.9	0.00	1540	1.3	0.00
0625	2.1	0.00	1105	1.7	0.00	1545	1.3	0.00
0630	2.1	0.00	1110	1.7	0.00	1550	1.3	0.00
0635	2.1	0.00	1115	1.7	0.00	1555	1.3	0.00
0640	2.1	0.00	1120	1.7	0.00	1600	1.3	0.00

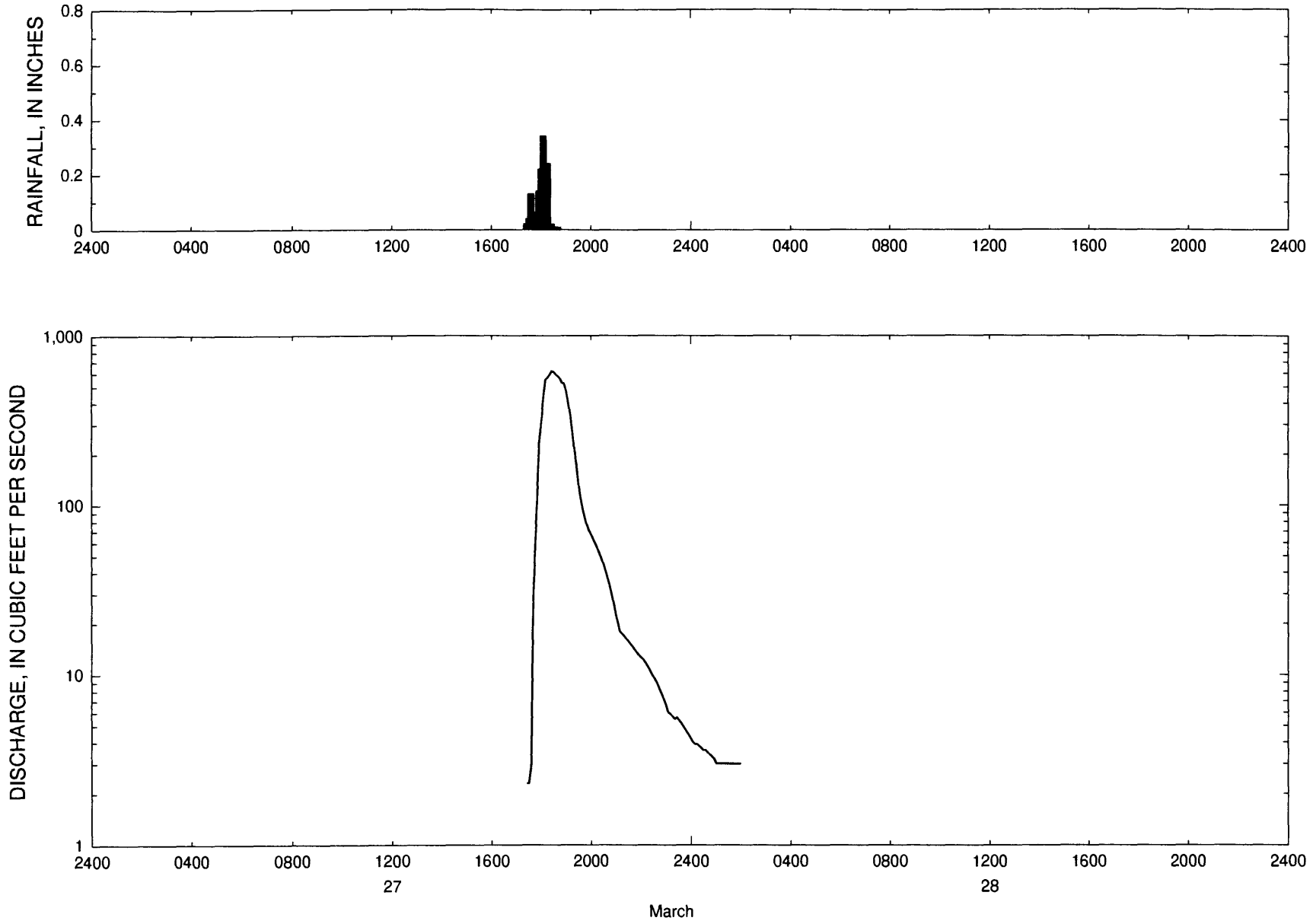


Figure 109.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, March 27-28, 1987.

Table 108.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, March 27-28, 1987

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
March 27, 1987			2015	56.1	0.00	2315	5.7	0.00
1720	2.3	0.03	2020	52.4	0.00	2320	5.5	0.00
1725	2.3	0.02	2025	48.6	0.00	2325	5.6	0.00
1730	2.3	0.04	2030	44.9	0.00	2330	5.4	0.00
1735	3.0	0.13	2035	41.1	0.00	2335	5.2	0.00
1740	24.7	0.06	2040	37.4	0.00	2340	5.0	0.00
1745	52.1	0.06	2045	33.6	0.00	2345	4.8	0.00
1750	104.0	0.03	2050	29.9	0.00	2350	4.6	0.00
1755	231.0	0.14	2055	26.1	0.00	2355	4.4	0.00
1800	306.0	0.22	2100	22.4	0.00	March 28, 1987		
1805	430.0	0.34	2105	20.2	0.00	0000	4.2	0.00
1810	552.0	0.06	2110	18.0	0.00	0005	4.0	0.00
1815	568.0	0.24	2115	17.4	0.00	0010	3.9	0.00
1820	590.0	0.02	2120	16.9	0.00	0015	3.9	0.00
1825	620.0	0.02	2125	16.3	0.00	0020	3.8	0.00
1830	614.0	0.00	2130	15.7	0.00	0025	3.7	0.00
1835	594.0	0.00	2135	15.1	0.00	0030	3.6	0.00
1840	579.0	0.01	2140	14.6	0.00	0035	3.6	0.00
1845	564.0	0.00	2145	14.0	0.00	0040	3.5	0.00
1850	528.0	0.00	2150	13.5	0.00	0045	3.4	0.00
1855	523.0	0.00	2155	13.0	0.00	0050	3.3	0.00
1900	475.0	0.00	2200	12.6	0.00	0055	3.2	0.00
1905	409.0	0.00	2205	12.3	0.00	0100	3.0	0.00
1910	345.0	0.00	2210	11.8	0.00	0105	3.0	0.00
1915	277.0	0.00	2215	11.3	0.00	0110	3.0	0.00
1920	220.0	0.00	2220	10.8	0.00	0115	3.0	0.00
1925	173.0	0.00	2225	10.2	0.00	0120	3.0	0.00
1930	135.0	0.00	2230	9.7	0.00	0125	3.0	0.00
1935	111.0	0.00	2235	9.2	0.00	0130	3.0	0.00
1940	96.2	0.00	2240	8.7	0.00	0135	3.0	0.00
1945	86.0	0.00	2245	8.1	0.00	0140	3.0	0.00
1950	77.0	0.00	2250	7.6	0.00	0145	3.0	0.00
1955	71.1	0.00	2255	7.1	0.00	0150	3.0	0.00
2000	67.3	0.00	2300	6.6	0.00	0155	3.0	0.00
2005	63.6	0.00	2305	6.0	0.00	0200	3.0	0.00
2010	59.9	0.00	2310	5.9	0.00			

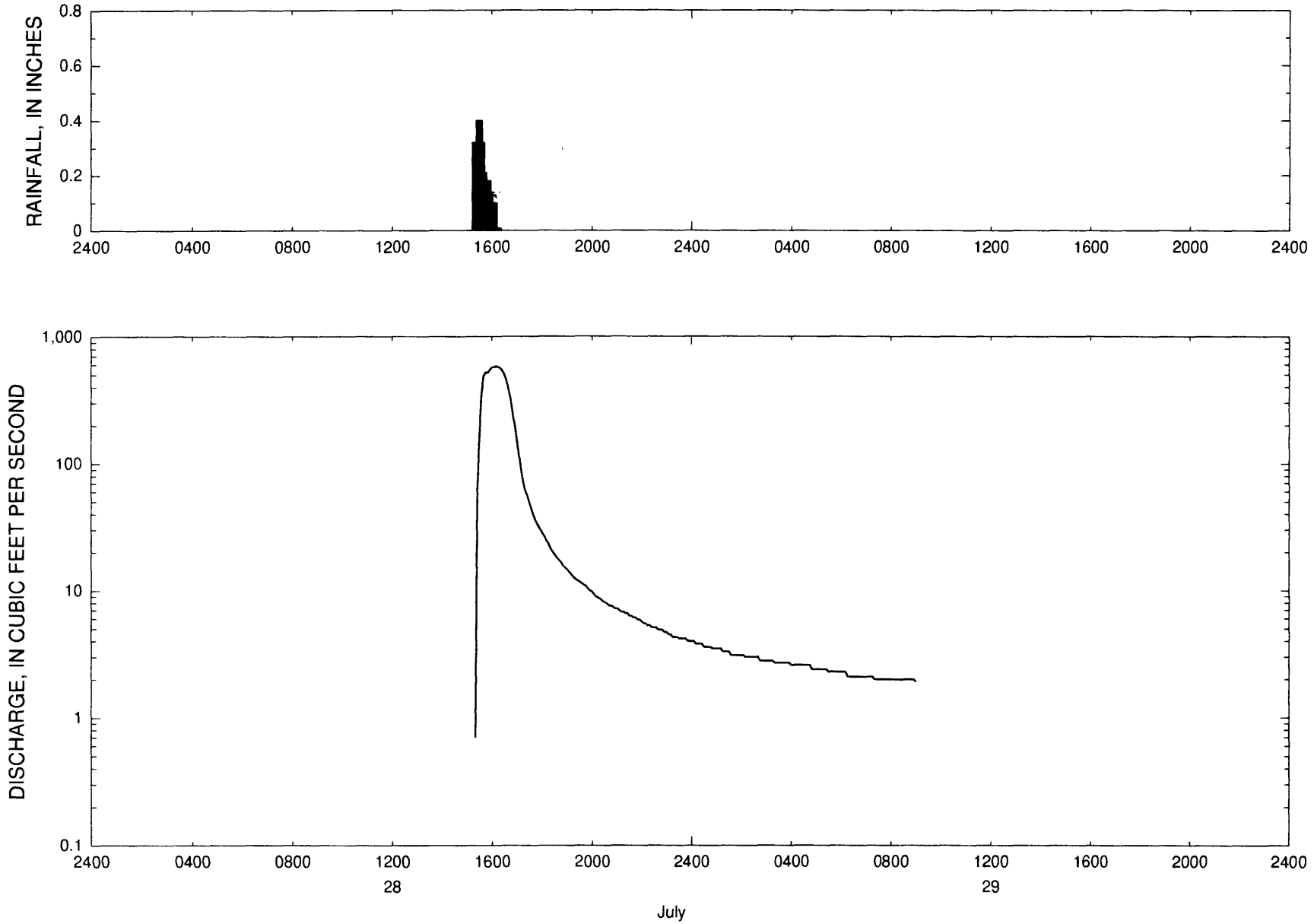


Figure 110.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, July 28-29, 1987.

Table 109.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, July 28-29, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 28, 1987			2035	7.9	0.00	0155	3.1	0.00
1515	0.4	0.08	2040	7.6	0.00	0200	3.1	0.00
1520	0.7	0.32	2045	7.6	0.00	0205	3.1	0.00
1525	57.7	0.24	2050	7.4	0.00	0210	3.0	0.00
1530	155.0	0.40	2055	7.2	0.00	0215	3.0	0.00
1535	353.0	0.32	2100	7.2	0.00	0220	3.0	0.00
1540	489.0	0.21	2105	7.0	0.00	0225	3.0	0.00
1545	524.0	0.12	2110	6.8	0.00	0230	3.0	0.00
1550	519.0	0.18	2115	6.8	0.00	0235	3.0	0.00
1555	551.0	0.14	2120	6.6	0.00	0240	3.0	0.00
1600	576.0	0.03	2125	6.6	0.00	0245	2.8	0.00
1605	576.0	0.10	2130	6.3	0.00	0250	2.8	0.00
1610	584.0	0.01	2135	6.3	0.00	0255	2.8	0.00
1615	578.0	0.01	2140	6.1	0.00	0300	2.8	0.00
1620	567.0	0.00	2145	6.1	0.00	0305	2.8	0.00
1625	535.0	0.00	2150	5.9	0.00	0310	2.8	0.00
1630	497.0	0.00	2155	5.9	0.00	0315	2.8	0.00
1635	446.0	0.00	2200	5.7	0.00	0320	2.7	0.00
1640	374.0	0.00	2205	5.5	0.00	0325	2.7	0.00
1645	319.0	0.00	2210	5.5	0.00	0330	2.7	0.00
1650	252.0	0.00	2215	5.3	0.00	0335	2.7	0.00
1655	197.0	0.00	2220	5.3	0.00	0340	2.7	0.00
1700	151.0	0.00	2225	5.1	0.00	0345	2.7	0.00
1705	115.0	0.00	2230	5.1	0.00	0350	2.7	0.00
1710	86.8	0.00	2235	5.1	0.00	0355	2.7	0.00
1715	71.1	0.00	2240	4.9	0.00	0400	2.6	0.00
1720	61.2	0.00	2245	4.9	0.00	0405	2.6	0.00
1725	54.9	0.00	2250	4.9	0.00	0410	2.6	0.00
1730	48.8	0.00	2255	4.7	0.00	0415	2.6	0.00
1735	43.4	0.00	2300	4.7	0.00	0420	2.6	0.00
1740	38.9	0.00	2305	4.5	0.00	0425	2.6	0.00
1745	35.3	0.00	2310	4.5	0.00	0430	2.6	0.00
1750	32.8	0.00	2315	4.3	0.00	0435	2.6	0.00
1755	30.4	0.00	2320	4.3	0.00	0440	2.6	0.00
1800	28.2	0.00	2325	4.3	0.00	0445	2.6	0.00
1805	26.8	0.00	2330	4.2	0.00	0450	2.4	0.00
1810	24.7	0.00	2335	4.2	0.00	0455	2.4	0.00
1815	23.5	0.00	2340	4.2	0.00	0500	2.4	0.00
1820	21.5	0.00	2345	4.2	0.00	0505	2.4	0.00
1825	20.3	0.00	2350	4.0	0.00	0510	2.4	0.00
1830	19.2	0.00	2355	4.0	0.00	0515	2.4	0.00
1835	18.2	0.00	July 29, 1987			0520	2.4	0.00
1840	17.5	0.00	0000	4.0	0.00	0525	2.4	0.00
1845	16.8	0.00	0005	4.0	0.00	0530	2.3	0.00
1850	15.8	0.00	0010	3.8	0.00	0535	2.3	0.00
1855	15.2	0.00	0015	3.8	0.00	0540	2.3	0.00
1900	14.6	0.00	0020	3.8	0.00	0545	2.3	0.00
1905	14.0	0.00	0025	3.8	0.00	0550	2.3	0.00
1910	13.4	0.00	0030	3.6	0.00	0555	2.3	0.00
1915	12.8	0.00	0035	3.6	0.00	0600	2.3	0.00
1920	12.3	0.00	0040	3.6	0.00	0605	2.3	0.00
1925	12.0	0.00	0045	3.6	0.00	0610	2.3	0.00
1930	11.7	0.00	0050	3.5	0.00	0615	2.1	0.00
1935	11.4	0.00	0055	3.5	0.00	0620	2.1	0.00
1940	11.1	0.00	0100	3.5	0.00	0625	2.1	0.00
1945	10.9	0.00	0105	3.5	0.00	0630	2.1	0.00
1950	10.3	0.00	0110	3.5	0.00	0635	2.1	0.00
1955	10.0	0.00	0115	3.3	0.00	0640	2.1	0.00
2000	9.8	0.00	0120	3.3	0.00	0645	2.1	0.00
2005	9.3	0.00	0125	3.3	0.00	0650	2.1	0.00
2010	9.0	0.00	0130	3.3	0.00	0655	2.1	0.00
2015	8.8	0.00	0135	3.1	0.00	0700	2.1	0.00
2020	8.6	0.00	0140	3.1	0.00	0705	2.1	0.00
2025	8.3	0.00	0145	3.1	0.00	0710	2.1	0.00
2030	8.1	0.00	0150	3.1	0.00	0715	2.1	0.00

Table 109.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, July 28-29, 1987--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0720	2.0	0.00	0755	2.0	0.00	0830	2.0	0.00
0725	2.0	0.00	0800	2.0	0.00	0835	2.0	0.00
0730	2.0	0.00	0805	2.0	0.00	0840	2.0	0.00
0735	2.0	0.00	0810	2.0	0.00	0845	2.0	0.00
0740	2.0	0.00	0815	2.0	0.00	0850	2.0	0.00
0745	2.0	0.00	0820	2.0	0.00	0855	2.0	0.00
0750	2.0	0.00	0825	2.0	0.00	0900	1.9	0.00

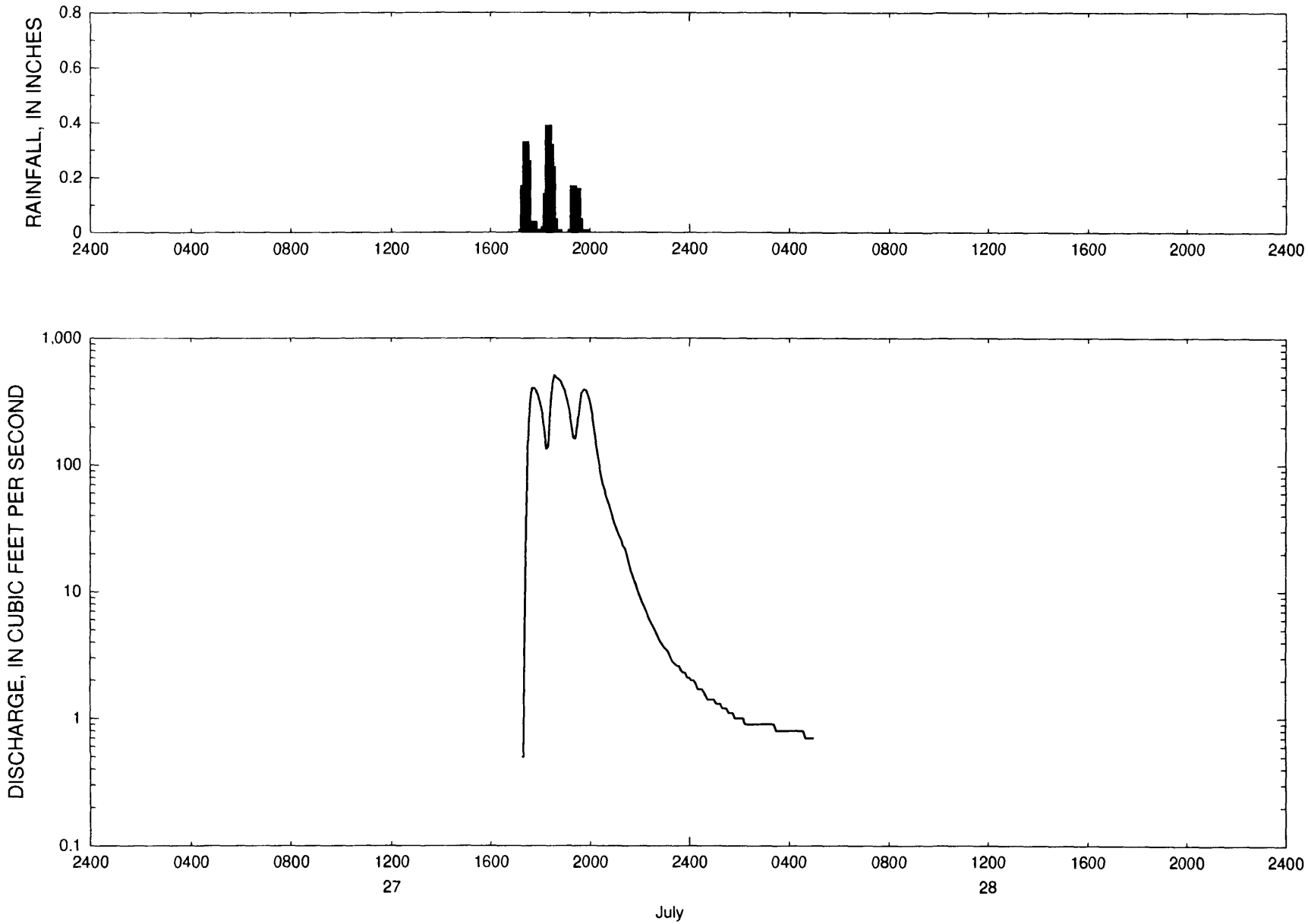


Figure 111.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, July 27-28, 1988.

Table 110.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, July 27-28, 1988

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
July 27, 1988			2110	27.7	0.00	0110	1.3	0.00
1710	0.5	0.05	2115	25.6	0.00	0115	1.3	0.00
1715	0.5	0.01	2120	23.1	0.00	0120	1.2	0.00
1720	0.5	0.17	2125	21.9	0.00	0125	1.2	0.00
1725	20.7	0.33	2130	19.2	0.00	0130	1.2	0.00
1730	136.0	0.26	2135	16.1	0.00	0135	1.1	0.00
1735	294.0	0.04	2140	14.3	0.00	0140	1.1	0.00
1740	405.0	0.02	2145	12.8	0.00	0145	1.1	0.00
1745	406.0	0.04	2150	11.4	0.00	0150	1.0	0.00
1750	386.0	0.00	2155	10.0	0.00	0155	1.0	0.00
1755	358.0	0.01	2200	9.3	0.00	0200	1.0	0.00
1800	310.0	0.00	2205	8.3	0.00	0205	1.0	0.00
1805	257.0	0.00	2210	7.6	0.00	0210	1.0	0.00
1810	192.0	0.02	2215	7.0	0.00	0215	0.9	0.00
1815	134.0	0.14	2220	6.3	0.00	0220	0.9	0.00
1820	140.0	0.39	2225	5.9	0.00	0225	0.9	0.00
1825	282.0	0.32	2230	5.5	0.00	0230	0.9	0.00
1830	441.0	0.24	2235	5.1	0.00	0235	0.9	0.00
1835	512.0	0.05	2240	4.7	0.00	0240	0.9	0.00
1840	488.0	0.01	2245	4.3	0.00	0245	0.9	0.00
1845	476.0	0.01	2250	4.0	0.00	0250	0.9	0.00
1850	458.0	0.00	2255	3.8	0.00	0255	0.9	0.00
1855	416.0	0.00	2300	3.6	0.00	0300	0.9	0.00
1900	381.0	0.00	2305	3.5	0.00	0305	0.9	0.00
1905	330.0	0.00	2310	3.3	0.00	0310	0.9	0.00
1910	276.0	0.00	2315	3.0	0.00	0315	0.9	0.00
1915	216.0	0.01	2320	2.8	0.00	0320	0.9	0.00
1920	164.0	0.17	2325	2.7	0.00	0325	0.9	0.00
1925	162.0	0.14	2330	2.6	0.00	0330	0.8	0.00
1930	210.0	0.16	2335	2.6	0.00	0335	0.8	0.00
1935	283.0	0.05	2340	2.4	0.00	0340	0.8	0.00
1940	368.0	0.01	2345	2.3	0.00	0345	0.8	0.00
1945	393.0	0.00	2350	2.3	0.00	0350	0.8	0.00
1950	389.0	0.01	2355	2.1	0.00	0355	0.8	0.00
1955	362.0	0.00	July 28, 1988			0400	0.8	0.00
2000	319.0	0.00	0000	2.1	0.00	0405	0.8	0.00
2005	254.0	0.00	0005	2.0	0.00	0410	0.8	0.00
2010	191.0	0.00	0010	2.0	0.00	0415	0.8	0.00
2015	144.0	0.00	0015	1.9	0.00	0420	0.8	0.00
2020	110.0	0.00	0020	1.7	0.00	0425	0.8	0.00
2025	86.8	0.00	0025	1.7	0.00	0430	0.8	0.00
2030	71.1	0.00	0030	1.7	0.00	0435	0.8	0.00
2035	63.6	0.00	0035	1.6	0.00	0440	0.7	0.00
2040	54.9	0.00	0040	1.5	0.00	0445	0.7	0.00
2045	49.4	0.00	0045	1.4	0.00	0450	0.7	0.00
2050	43.4	0.00	0050	1.4	0.00	0455	0.7	0.00
2055	37.9	0.00	0055	1.4	0.00	0500	0.7	0.00
2100	33.8	0.00	0100	1.4	0.00			
2105	30.4	0.00	0105	1.3	0.00			

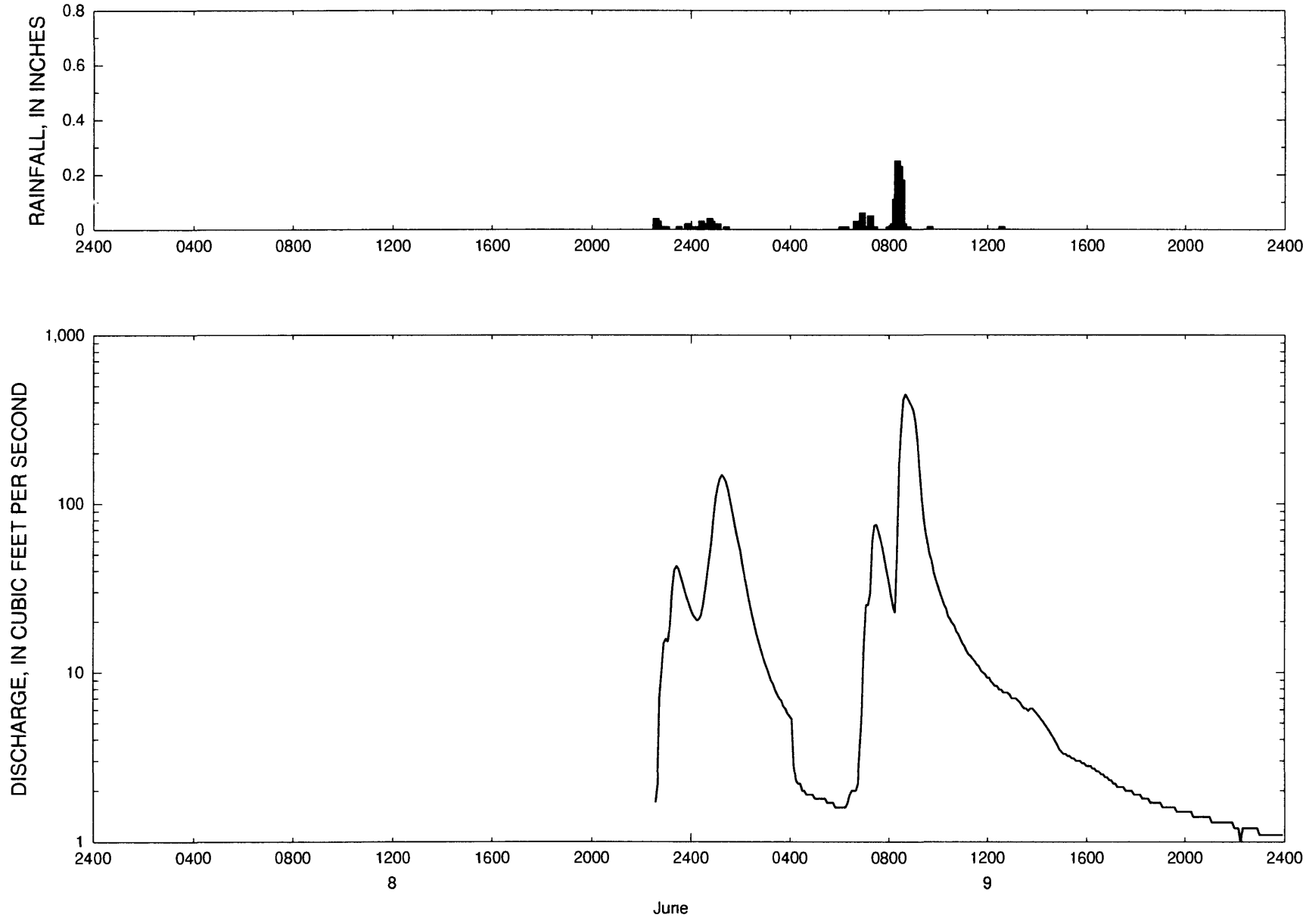


Figure 112.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, June 8-9, 1989.

Table 111.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, June 8-9, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 8, 1989			0350	6.1	0.00	0915	161.0	0.00
2235	1.7	0.04	0355	5.7	0.00	0920	111.0	0.00
2240	2.2	0.03	0400	5.5	0.00	0925	83.2	0.00
2245	7.2	0.01	0405	5.3	0.00	0930	67.3	0.00
2250	10.3	0.00	0410	2.8	0.00	0935	58.3	0.00
2255	14.9	0.00	0415	2.3	0.00	0940	50.0	0.01
2300	15.8	0.01	0420	2.2	0.00	0945	45.7	0.00
2305	15.2	0.00	0425	2.2	0.00	0950	38.9	0.00
2310	19.2	0.00	0430	2.0	0.00	0955	35.3	0.00
2315	31.3	0.00	0435	2.0	0.00	1000	32.3	0.00
2320	40.6	0.00	0440	1.9	0.00	1005	29.5	0.00
2325	42.8	0.00	0445	1.9	0.00	1010	27.3	0.00
2330	41.1	0.01	0450	1.9	0.00	1015	25.1	0.00
2335	37.3	0.00	0455	1.9	0.00	1020	23.9	0.00
2340	33.8	0.00	0500	1.8	0.00	1025	21.5	0.00
2345	30.4	0.00	0505	1.8	0.00	1030	20.7	0.00
2350	27.7	0.02	0510	1.8	0.00	1035	19.6	0.00
2355	25.6	0.00	0515	1.8	0.00	1040	18.9	0.00
June 9, 1989			0520	1.8	0.00	1045	17.5	0.00
0000	23.5	0.00	0525	1.8	0.00	1050	16.8	0.00
0005	21.9	0.00	0530	1.7	0.00	1055	15.8	0.00
0010	21.1	0.01	0535	1.7	0.00	1100	14.9	0.00
0015	20.3	0.01	0540	1.7	0.00	1105	14.3	0.00
0020	20.7	0.01	0545	1.7	0.00	1110	13.4	0.00
0025	21.9	0.03	0550	1.6	0.00	1115	12.8	0.00
0030	25.1	0.02	0555	1.6	0.00	1120	12.5	0.00
0035	30.9	0.02	0600	1.6	0.00	1125	12.0	0.00
0040	38.4	0.02	0605	1.6	0.01	1130	11.7	0.00
0045	47.5	0.04	0610	1.6	0.00	1135	11.1	0.00
0050	60.6	0.03	0615	1.6	0.01	1140	10.9	0.00
0055	82.5	0.02	0620	1.7	0.00	1145	10.3	0.00
0100	107.0	0.02	0625	1.9	0.00	1150	10.0	0.00
0105	125.0	0.02	0630	2.0	0.00	1155	9.8	0.00
0110	140.0	0.00	0635	2.0	0.00	1200	9.3	0.00
0115	148.0	0.00	0640	2.0	0.03	1205	9.3	0.00
0120	143.0	0.00	0645	2.2	0.00	1210	8.8	0.00
0125	135.0	0.01	0650	3.5	0.03	1215	8.6	0.00
0130	122.0	0.00	0655	5.5	0.06	1220	8.3	0.00
0135	106.0	0.00	0700	14.0	0.00	1225	8.3	0.00
0140	91.4	0.00	0705	25.1	0.01	1230	7.9	0.00
0145	79.0	0.00	0710	25.1	0.00	1235	7.9	0.01
0150	67.9	0.00	0715	29.5	0.05	1240	7.6	0.00
0155	59.5	0.00	0720	59.5	0.00	1245	7.6	0.00
0200	52.7	0.00	0725	74.4	0.01	1250	7.6	0.00
0205	43.4	0.00	0730	75.0	0.00	1255	7.4	0.00
0210	37.3	0.00	0735	68.6	0.00	1300	7.0	0.00
0215	32.3	0.00	0740	61.2	0.00	1305	7.0	0.00
0220	27.7	0.00	0745	54.9	0.00	1310	7.0	0.00
0225	24.3	0.00	0750	46.9	0.00	1315	6.8	0.00
0230	21.5	0.00	0755	40.0	0.00	1320	6.6	0.00
0235	18.9	0.00	0800	34.3	0.01	1325	6.3	0.00
0240	16.8	0.00	0805	28.6	0.00	1330	6.1	0.00
0245	15.2	0.00	0810	24.7	0.02	1335	6.1	0.00
0250	13.7	0.00	0815	22.6	0.11	1340	5.9	0.00
0255	12.5	0.00	0820	48.8	0.25	1345	6.1	0.00
0300	11.4	0.00	0825	167.0	0.23	1350	6.1	0.00
0305	10.6	0.00	0830	274.0	0.18	1355	5.9	0.00
0310	9.8	0.00	0835	412.0	0.02	1400	5.7	0.00
0315	9.0	0.00	0840	446.0	0.00	1405	5.5	0.00
0320	8.6	0.00	0845	425.0	0.01	1410	5.3	0.00
0325	7.9	0.00	0850	400.0	0.00	1415	5.1	0.00
0330	7.4	0.00	0855	381.0	0.00	1420	4.9	0.00
0335	7.0	0.00	0900	356.0	0.00	1425	4.7	0.00
0340	6.8	0.00	0905	306.0	0.00	1430	4.5	0.00
0345	6.3	0.00	0910	235.0	0.00	1435	4.3	0.00

Table 111.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, June 8-9, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
1440	4.1	0.00	1750	2.0	0.00	2100	1.4	0.00
1445	3.9	0.00	1755	1.9	0.00	2105	1.3	0.00
1450	3.7	0.00	1800	1.9	0.00	2110	1.3	0.00
1455	3.5	0.00	1805	1.9	0.00	2115	1.3	0.00
1500	3.4	0.00	1810	1.9	0.00	2120	1.3	0.00
1505	3.3	0.00	1815	1.8	0.00	2125	1.3	0.00
1510	3.3	0.00	1820	1.8	0.00	2130	1.3	0.00
1515	3.2	0.00	1825	1.8	0.00	2135	1.3	0.00
1520	3.2	0.00	1830	1.8	0.00	2140	1.3	0.00
1525	3.1	0.00	1835	1.7	0.00	2145	1.3	0.00
1530	3.1	0.00	1840	1.7	0.00	2150	1.3	0.00
1535	3.0	0.00	1845	1.7	0.00	2155	1.3	0.00
1540	3.0	0.00	1850	1.7	0.00	2200	1.2	0.00
1545	3.0	0.00	1855	1.7	0.00	2205	1.2	0.00
1550	2.9	0.00	1900	1.7	0.00	2210	1.2	0.00
1555	2.9	0.00	1905	1.6	0.00	2215	1.0	0.00
1600	2.8	0.00	1910	1.6	0.00	2220	1.2	0.00
1605	2.8	0.00	1915	1.6	0.00	2225	1.2	0.00
1610	2.8	0.00	1920	1.6	0.00	2230	1.2	0.00
1615	2.7	0.00	1925	1.6	0.00	2235	1.2	0.00
1620	2.7	0.00	1930	1.6	0.00	2240	1.2	0.00
1625	2.6	0.00	1935	1.6	0.00	2245	1.2	0.00
1630	2.6	0.00	1940	1.5	0.00	2250	1.2	0.00
1635	2.5	0.00	1945	1.5	0.00	2255	1.2	0.00
1640	2.5	0.00	1950	1.5	0.00	2300	1.1	0.00
1645	2.4	0.00	1955	1.5	0.00	2305	1.1	0.00
1650	2.4	0.00	2000	1.5	0.00	2310	1.1	0.00
1655	2.3	0.00	2005	1.5	0.00	2315	1.1	0.00
1700	2.3	0.00	2010	1.5	0.00	2320	1.1	0.00
1705	2.2	0.00	2015	1.5	0.00	2325	1.1	0.00
1710	2.2	0.00	2020	1.4	0.00	2330	1.1	0.00
1715	2.1	0.00	2025	1.4	0.00	2335	1.1	0.00
1720	2.1	0.00	2030	1.4	0.00	2340	1.1	0.00
1725	2.1	0.00	2035	1.4	0.00	2345	1.1	0.00
1730	2.1	0.00	2040	1.4	0.00	2350	1.1	0.00
1735	2.0	0.00	2045	1.4	0.00	2355	1.1	0.00
1740	2.0	0.00	2050	1.4	0.00			
1745	2.0	0.00	2055	1.4	0.00			

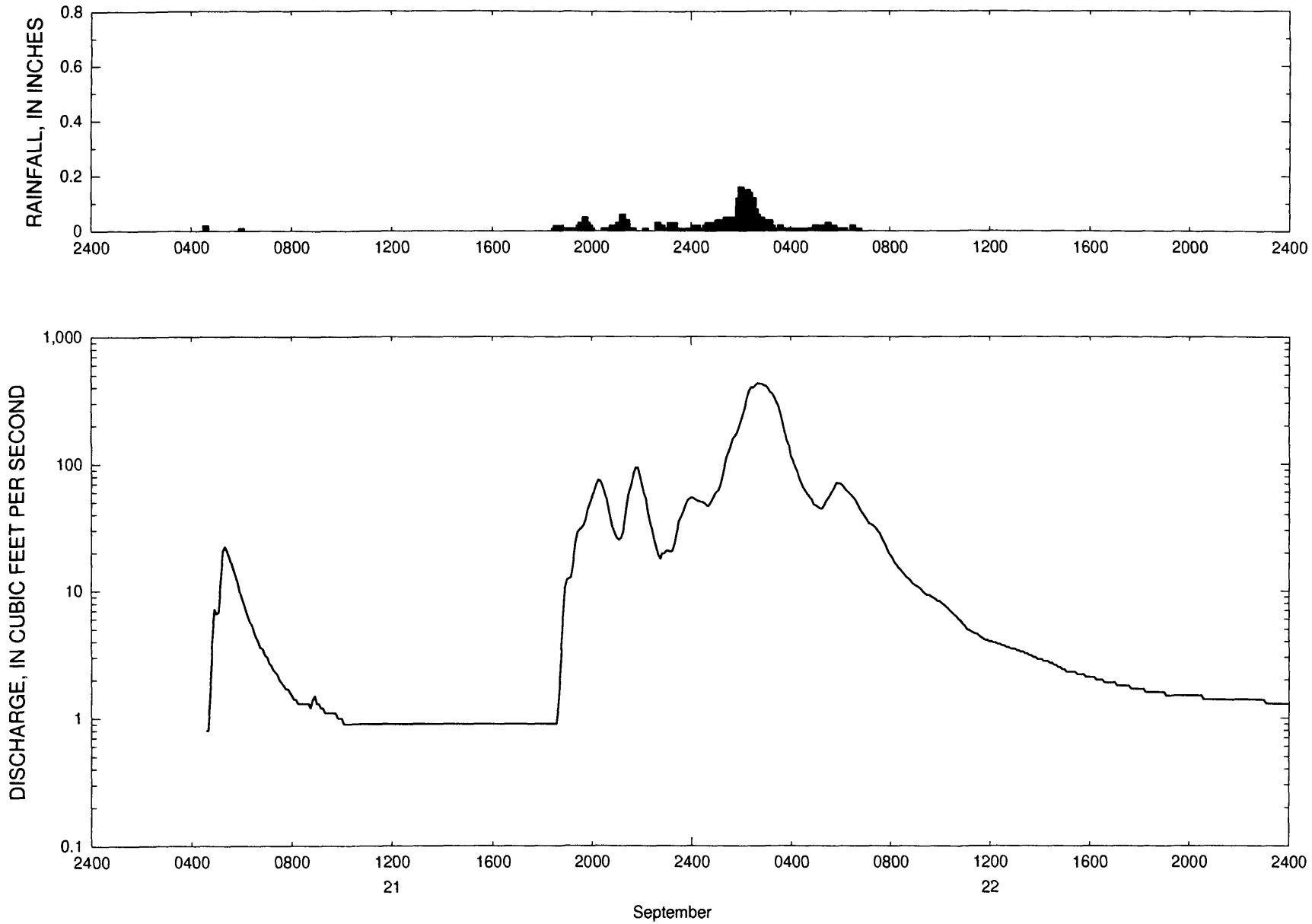


Figure 113.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, September 21-23, 1989.

Table 112.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, September 21-23, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 21, 1989			0955	1.0	0.00	1520	0.9	0.00
0435	0.8	0.02	1000	1.0	0.00	1525	0.9	0.00
0440	0.8	0.00	1005	0.9	0.00	1530	0.9	0.00
0445	1.7	0.00	1010	0.9	0.00	1535	0.9	0.00
0450	4.2	0.00	1015	0.9	0.00	1540	0.9	0.00
0455	7.2	0.00	1020	0.9	0.00	1545	0.9	0.00
0500	6.6	0.00	1025	0.9	0.00	1550	0.9	0.00
0505	6.8	0.00	1030	0.9	0.00	1555	0.9	0.00
0510	12.3	0.00	1035	0.9	0.00	1600	0.9	0.00
0515	20.7	0.00	1040	0.9	0.00	1605	0.9	0.00
0520	22.3	0.00	1045	0.9	0.00	1610	0.9	0.00
0525	20.7	0.00	1050	0.9	0.00	1615	0.9	0.00
0530	18.5	0.00	1055	0.9	0.00	1620	0.9	0.00
0535	16.5	0.00	1100	0.9	0.00	1625	0.9	0.00
0540	14.6	0.00	1105	0.9	0.00	1630	0.9	0.00
0545	13.1	0.00	1110	0.9	0.00	1635	0.9	0.00
0550	11.7	0.00	1115	0.9	0.00	1640	0.9	0.00
0555	10.0	0.00	1120	0.9	0.00	1645	0.9	0.00
0600	8.8	0.01	1125	0.9	0.00	1650	0.9	0.00
0605	7.9	0.00	1130	0.9	0.00	1655	0.9	0.00
0610	7.0	0.00	1135	0.9	0.00	1700	0.9	0.00
0615	6.3	0.00	1140	0.9	0.00	1705	0.9	0.00
0620	5.7	0.00	1145	0.9	0.00	1710	0.9	0.00
0625	5.3	0.00	1150	0.9	0.00	1715	0.9	0.00
0630	4.7	0.00	1155	0.9	0.00	1720	0.9	0.00
0635	4.3	0.00	1200	0.9	0.00	1725	0.9	0.00
0640	4.0	0.00	1205	0.9	0.00	1730	0.9	0.00
0645	3.6	0.00	1210	0.9	0.00	1735	0.9	0.00
0650	3.5	0.00	1215	0.9	0.00	1740	0.9	0.00
0655	3.1	0.00	1220	0.9	0.00	1745	0.9	0.00
0700	3.0	0.00	1225	0.9	0.00	1750	0.9	0.00
0705	2.7	0.00	1230	0.9	0.00	1755	0.9	0.00
0710	2.6	0.00	1235	0.9	0.00	1800	0.9	0.00
0715	2.4	0.00	1240	0.9	0.00	1805	0.9	0.00
0720	2.3	0.00	1245	0.9	0.00	1810	0.9	0.00
0725	2.2	0.00	1250	0.9	0.00	1815	0.9	0.00
0730	2.0	0.00	1255	0.9	0.00	1820	0.9	0.00
0735	1.9	0.00	1300	0.9	0.00	1825	0.9	0.00
0740	1.8	0.00	1305	0.9	0.00	1830	0.9	0.01
0745	1.7	0.00	1310	0.9	0.00	1835	0.9	0.02
0750	1.7	0.00	1315	0.9	0.00	1840	1.3	0.02
0755	1.6	0.00	1320	0.9	0.00	1845	2.6	0.02
0800	1.5	0.00	1325	0.9	0.00	1850	5.5	0.01
0805	1.4	0.00	1330	0.9	0.00	1855	10.3	0.01
0810	1.4	0.00	1335	0.9	0.00	1900	12.3	0.01
0815	1.3	0.00	1340	0.9	0.00	1905	12.5	0.00
0820	1.3	0.00	1345	0.9	0.00	1910	12.8	0.01
0825	1.3	0.00	1350	0.9	0.00	1915	16.5	0.01
0830	1.3	0.00	1355	0.9	0.00	1920	23.5	0.01
0835	1.3	0.00	1400	0.9	0.00	1925	29.0	0.00
0840	1.3	0.00	1405	0.9	0.00	1930	30.4	0.02
0845	1.2	0.00	1410	0.9	0.00	1935	31.3	0.03
0850	1.4	0.00	1415	0.9	0.00	1940	32.8	0.01
0855	1.5	0.00	1420	0.9	0.00	1945	36.3	0.05
0900	1.3	0.00	1425	0.9	0.00	1950	44.0	0.03
0905	1.3	0.00	1430	0.9	0.00	1955	48.8	0.02
0910	1.2	0.00	1435	0.9	0.00	2000	54.3	0.01
0915	1.2	0.00	1440	0.9	0.00	2005	60.1	0.00
0920	1.1	0.00	1445	0.9	0.00	2010	68.6	0.00
0925	1.1	0.00	1450	0.9	0.00	2015	75.0	0.00
0930	1.1	0.00	1455	0.9	0.00	2020	73.7	0.00
0935	1.1	0.00	1500	0.9	0.00	2025	67.9	0.00
0940	1.1	0.00	1505	0.9	0.00	2030	60.6	0.01
0945	1.1	0.00	1510	0.9	0.00	2035	53.2	0.00
0950	1.0	0.00	1515	0.9	0.00	2040	44.5	0.00

Table 112.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, September 21-23, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
2045	36.8	0.01	0205	251.0	0.14	0730	29.5	0.00
2050	31.3	0.02	0210	291.0	0.14	0735	28.2	0.00
2055	28.2	0.02	0215	340.0	0.15	0740	26.0	0.00
2100	26.0	0.01	0220	380.0	0.14	0745	24.3	0.00
2105	25.1	0.03	0225	401.0	0.11	0750	22.6	0.00
2110	26.0	0.02	0230	398.0	0.12	0755	20.7	0.00
2115	29.0	0.06	0235	417.0	0.08	0800	19.2	0.00
2120	37.3	0.04	0240	431.0	0.06	0805	18.2	0.00
2125	51.6	0.04	0245	428.0	0.05	0810	16.8	0.00
2130	61.2	0.00	0250	427.0	0.05	0815	16.1	0.00
2135	69.2	0.00	0255	418.0	0.04	0820	15.2	0.00
2140	84.6	0.01	0300	410.0	0.03	0825	14.6	0.00
2145	93.8	0.00	0305	394.0	0.03	0830	14.0	0.00
2150	93.8	0.00	0310	368.0	0.04	0835	13.4	0.00
2155	81.8	0.00	0315	360.0	0.02	0840	12.8	0.00
2200	69.8	0.00	0320	339.0	0.01	0845	12.5	0.00
2205	60.1	0.00	0325	311.0	0.00	0850	12.0	0.00
2210	52.7	0.01	0330	280.0	0.01	0855	11.4	0.00
2215	41.7	0.00	0335	248.0	0.02	0900	11.1	0.00
2220	35.3	0.00	0340	212.0	0.00	0905	10.9	0.00
2225	30.4	0.00	0345	182.0	0.01	0910	10.6	0.00
2230	25.6	0.00	0350	154.0	0.00	0915	10.3	0.00
2235	22.3	0.00	0355	141.0	0.01	0920	9.8	0.00
2240	19.6	0.03	0400	115.0	0.01	0925	9.5	0.00
2245	17.8	0.02	0405	107.0	0.01	0930	9.3	0.00
2250	19.6	0.02	0410	94.6	0.00	0935	9.3	0.00
2255	19.6	0.01	0415	87.5	0.00	0940	9.0	0.00
2300	20.7	0.00	0420	78.4	0.01	0945	8.8	0.00
2305	20.7	0.01	0425	71.1	0.01	0950	8.6	0.00
2310	20.3	0.03	0430	65.4	0.01	0955	8.3	0.00
2315	20.7	0.02	0435	61.8	0.00	1000	8.3	0.00
2320	23.5	0.03	0440	57.7	0.00	1005	8.0	0.00
2325	29.0	0.01	0445	54.3	0.01	1010	7.8	0.00
2330	35.3	0.01	0450	52.1	0.01	1015	7.5	0.00
2335	38.4	0.01	0455	47.5	0.00	1020	7.3	0.00
2340	41.7	0.01	0500	46.9	0.02	1025	7.0	0.00
2345	46.9	0.01	0505	45.7	0.01	1030	6.8	0.00
2350	51.1	0.01	0510	44.5	0.02	1035	6.5	0.00
2355	53.2	0.01	0515	44.0	0.02	1040	6.3	0.00
	September 22, 1989		0520	46.9	0.01	1045	6.0	0.00
0000	54.3	0.01	0525	51.1	0.02	1050	5.8	0.00
0005	53.8	0.01	0530	53.8	0.03	1055	5.5	0.00
0010	52.1	0.02	0535	57.2	0.01	1100	5.3	0.00
0015	51.1	0.02	0540	60.6	0.02	1105	5.0	0.00
0020	50.5	0.01	0545	65.4	0.02	1110	4.9	0.00
0025	50.1	0.00	0550	71.1	0.00	1115	4.8	0.00
0030	49.4	0.01	0555	70.5	0.01	1120	4.7	0.00
0035	47.5	0.02	0600	69.8	0.00	1125	4.6	0.00
0040	46.3	0.03	0605	67.9	0.00	1130	4.6	0.00
0045	48.8	0.03	0610	64.2	0.01	1135	4.4	0.00
0050	52.7	0.02	0615	61.2	0.00	1140	4.3	0.00
0055	56.6	0.03	0620	58.9	0.00	1145	4.2	0.00
0100	60.1	0.02	0625	56.6	0.00	1150	4.1	0.00
0105	61.8	0.04	0630	54.3	0.02	1155	4.1	0.00
0110	67.9	0.04	0635	52.1	0.00	1200	4.0	0.00
0115	81.1	0.04	0640	48.8	0.01	1205	4.0	0.00
0120	97.0	0.03	0645	45.1	0.01	1210	3.9	0.00
0125	114.0	0.05	0650	42.2	0.00	1215	3.9	0.00
0130	126.0	0.04	0655	40.1	0.00	1220	3.8	0.00
0135	140.0	0.04	0700	37.9	0.00	1225	3.8	0.00
0140	159.0	0.05	0705	35.8	0.00	1230	3.7	0.00
0145	166.0	0.05	0710	33.8	0.00	1235	3.7	0.00
0150	175.0	0.05	0715	33.3	0.00	1240	3.6	0.00
0155	194.0	0.12	0720	32.3	0.00	1245	3.6	0.00
0200	220.0	0.16	0725	31.3	0.00	1250	3.5	0.00

Table 112.--Streamflow and rainfall at station 02169568, Pen Branch at Columbia, September 21-23, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
1255	3.5	0.00	1640	1.9	0.00	2025	1.5	0.00
1300	3.5	0.00	1645	1.9	0.00	2030	1.5	0.00
1305	3.4	0.00	1650	1.9	0.00	2035	1.4	0.00
1310	3.4	0.00	1655	1.9	0.00	2040	1.4	0.00
1315	3.3	0.00	1700	1.9	0.00	2045	1.4	0.00
1320	3.3	0.00	1705	1.8	0.00	2050	1.4	0.00
1325	3.2	0.00	1710	1.8	0.00	2055	1.4	0.00
1330	3.2	0.00	1715	1.8	0.00	2100	1.4	0.00
1335	3.1	0.00	1720	1.8	0.00	2105	1.4	0.00
1340	3.1	0.00	1725	1.8	0.00	2110	1.4	0.00
1345	3.0	0.00	1730	1.8	0.00	2115	1.4	0.00
1350	3.0	0.00	1735	1.8	0.00	2120	1.4	0.00
1355	2.9	0.00	1740	1.7	0.00	2125	1.4	0.00
1400	2.9	0.00	1745	1.7	0.00	2130	1.4	0.00
1405	2.9	0.00	1750	1.7	0.00	2135	1.4	0.00
1410	2.8	0.00	1755	1.7	0.00	2140	1.4	0.00
1415	2.8	0.00	1800	1.7	0.00	2145	1.4	0.00
1420	2.8	0.00	1805	1.7	0.00	2150	1.4	0.00
1425	2.7	0.00	1810	1.7	0.00	2155	1.4	0.00
1430	2.7	0.00	1815	1.6	0.00	2200	1.4	0.00
1435	2.6	0.00	1820	1.6	0.00	2205	1.4	0.00
1440	2.6	0.00	1825	1.6	0.00	2210	1.4	0.00
1445	2.5	0.00	1830	1.6	0.00	2215	1.4	0.00
1450	2.5	0.00	1835	1.6	0.00	2220	1.4	0.00
1455	2.4	0.00	1840	1.6	0.00	2225	1.4	0.00
1500	2.4	0.00	1845	1.6	0.00	2230	1.4	0.00
1505	2.3	0.00	1850	1.6	0.00	2235	1.4	0.00
1510	2.3	0.00	1855	1.6	0.00	2240	1.4	0.00
1515	2.3	0.00	1900	1.6	0.00	2245	1.4	0.00
1520	2.3	0.00	1905	1.5	0.00	2250	1.4	0.00
1525	2.3	0.00	1910	1.5	0.00	2255	1.4	0.00
1530	2.2	0.00	1915	1.5	0.00	2300	1.4	0.00
1535	2.2	0.00	1920	1.5	0.00	2305	1.3	0.00
1540	2.2	0.00	1925	1.5	0.00	2310	1.3	0.00
1545	2.2	0.00	1930	1.5	0.00	2315	1.3	0.00
1550	2.1	0.00	1935	1.5	0.00	2320	1.3	0.00
1555	2.1	0.00	1940	1.5	0.00	2325	1.3	0.00
1600	2.1	0.00	1945	1.5	0.00	2330	1.3	0.00
1605	2.1	0.00	1950	1.5	0.00	2335	1.3	0.00
1610	2.1	0.00	1955	1.5	0.00	2340	1.3	0.00
1615	2.0	0.00	2000	1.5	0.00	2345	1.3	0.00
1620	2.0	0.00	2005	1.5	0.00	2350	1.3	0.00
1625	2.0	0.00	2010	1.5	0.00	2355	1.3	0.00
1630	2.0	0.00	2015	1.5	0.00	September 23, 1989		
1635	1.9	0.00	2020	1.5	0.00	0000	1.3	0.00

Station 0217206930, Noisette Creek at North Charleston, S.C.

Location.--Lat 32°52'20", long 79°59'28", Charleston County, Hydrologic Unit 03050201, at culvert on a Southern Railroad line (State secondary road 39), 0.3 mi east of the intersection of Rivers Avenue (U.S. Highway 52) and Meeting Street (State secondary road 39), and 1.6 mi upstream from the mouth at the Cooper River.

Period of record.-- December 4, 1985 to October 23, 1989.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to a free-standing platform on the right bank, approximately 33 ft upstream from the 4-ft reinforced concrete pipe culvert under the rail line. An enameled staff gage is attached to the platform. A crest-stage indicator is located near the culvert exit on the right bank.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 1.5 ft^3/s. The stage-streamflow relation was extended to 100 ft^3/s using indirect computational methods.

Rain gage and location.--Station 325223079593000, lat 32°52'23", long 79°59'30". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval just west of the tennis courts in the park on the north side of Bexley Street (State secondary road 672), 0.3 mi east of the intersection of Rivers Avenue (U.S. Highway 52) and Meeting Street (State secondary road 39), and 1.6 mi upstream from the mouth at the Cooper River.

Selected basin characteristics.--

Drainage area -- 0.21 mi^2
Physiographic province -- Lower Coastal Plain
Channel slope -- 54.3 ft/mi
Channel length -- 0.62 mi
Total impervious area -- 36.0 percent
Basin development factor -- 9
2-year, 2-hour rainfall amount -- 2.50 in.

Flood frequency data:		
	UQ_2	85 ft^3/s
	UQ_5	136 ft^3/s
	UQ_{10}	178 ft^3/s
	UQ_{25}	243 ft^3/s
	UQ_{50}	300 ft^3/s
	UQ_{100}	365 ft^3/s
	UQ_{500}	555 ft^3/s

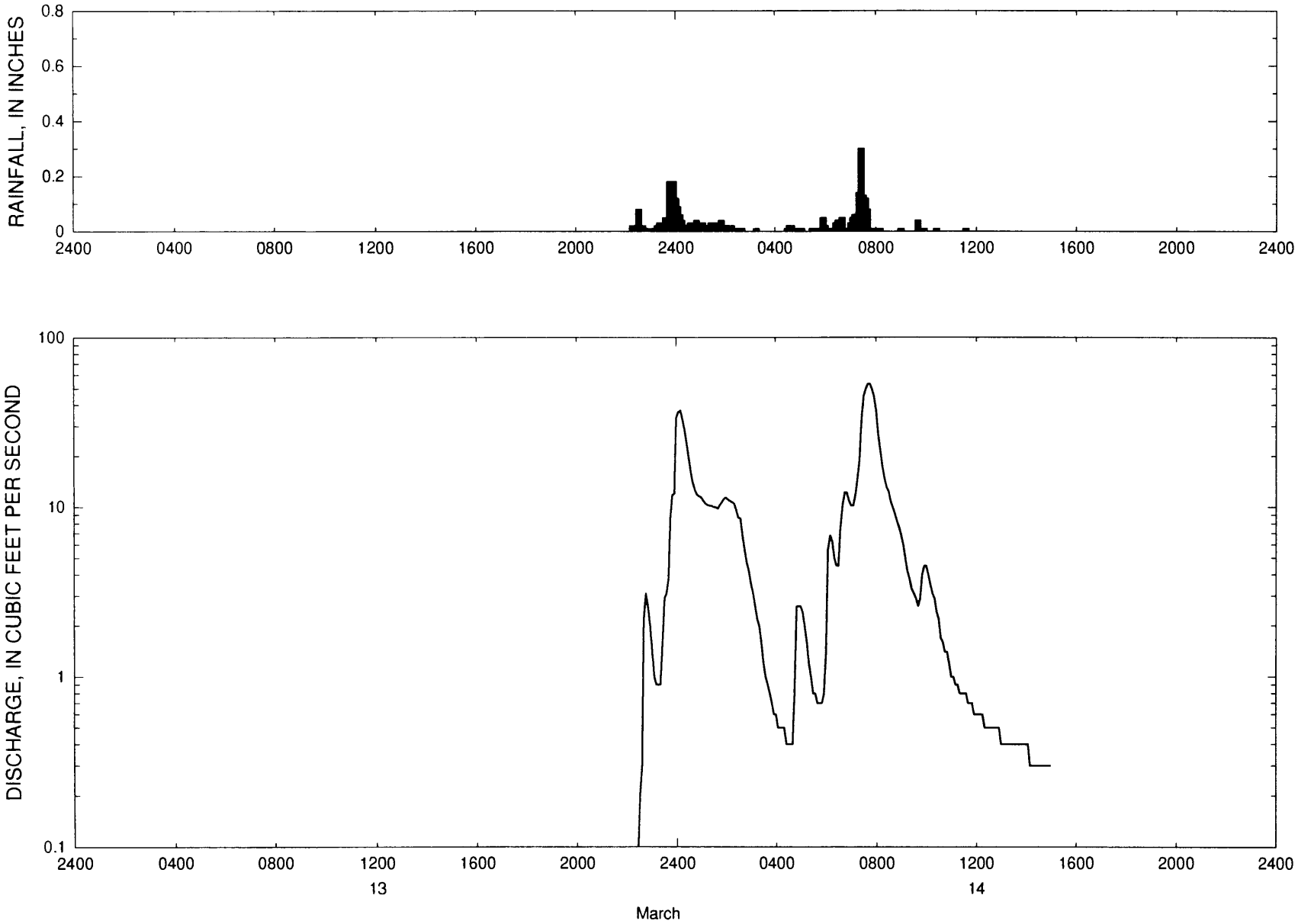


Figure 114.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, March 13-14, 1986.

Table 113.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, March 13-14, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
March 13, 1986			0330	1.2	0.00	0855	7.6	0.00
2215	0.1	0.02	0335	1.0	0.00	0900	6.8	0.01
2220	0.1	0.00	0340	0.9	0.00	0905	6.0	0.00
2225	0.1	0.01	0345	0.8	0.00	0910	5.0	0.00
2230	0.2	0.08	0350	0.7	0.00	0915	4.2	0.00
2235	0.3	0.01	0355	0.6	0.00	0920	3.8	0.00
2240	2.2	0.02	0400	0.6	0.00	0925	3.3	0.00
2245	3.1	0.00	0405	0.5	0.00	0930	3.1	0.00
2250	2.6	0.00	0410	0.5	0.00	0935	2.9	0.00
2255	2.0	0.01	0415	0.5	0.00	0940	2.6	0.04
2300	1.4	0.01	0420	0.5	0.00	0945	2.9	0.00
2305	1.0	0.01	0425	0.4	0.00	0950	4.0	0.00
2310	0.9	0.01	0430	0.4	0.01	0955	4.5	0.01
2315	0.9	0.02	0435	0.4	0.02	1000	4.5	0.00
2320	0.9	0.03	0440	0.4	0.02	1005	4.0	0.00
2325	1.6	0.02	0445	0.8	0.01	1010	3.5	0.00
2330	2.9	0.00	0450	2.6	0.01	1015	3.1	0.00
2335	3.1	0.05	0455	2.6	0.00	1020	2.9	0.00
2340	3.8	0.04	0500	2.6	0.00	1025	2.4	0.01
2345	8.7	0.18	0505	2.4	0.01	1030	2.2	0.00
2350	11.8	0.14	0510	2.0	0.00	1035	1.7	0.00
2355	12.0	0.18	0515	1.6	0.00	1040	1.6	0.00
March 14, 1986			0520	1.2	0.00	1045	1.4	0.00
0000	33.6	0.12	0525	1.0	0.00	1050	1.4	0.00
0005	36.4	0.09	0530	0.8	0.01	1055	1.2	0.00
0010	37.1	0.06	0535	0.8	0.01	1100	1.0	0.00
0015	32.9	0.04	0540	0.7	0.00	1105	1.0	0.00
0020	28.4	0.02	0545	0.7	0.00	1110	0.9	0.00
0025	23.6	0.02	0550	0.7	0.01	1115	0.9	0.00
0030	19.5	0.01	0555	0.8	0.05	1120	0.8	0.00
0035	16.1	0.03	0600	1.4	0.02	1125	0.8	0.00
0040	13.9	0.01	0605	5.6	0.01	1130	0.8	0.00
0045	12.6	0.03	0610	6.8	0.01	1135	0.8	0.01
0050	11.8	0.04	0615	6.3	0.00	1140	0.7	0.00
0055	11.6	0.01	0620	5.0	0.01	1145	0.7	0.00
0100	11.4	0.02	0625	4.5	0.03	1150	0.7	0.00
0105	10.9	0.03	0630	4.5	0.04	1155	0.6	0.00
0110	10.5	0.02	0635	7.6	0.04	1200	0.6	0.00
0115	10.3	0.02	0640	10.3	0.05	1205	0.6	0.00
0120	10.2	0.01	0645	12.2	0.01	1210	0.6	0.00
0125	10.2	0.03	0650	12.2	0.01	1215	0.6	0.00
0130	10.0	0.02	0655	10.9	0.01	1220	0.5	0.00
0135	10.0	0.02	0700	10.2	0.03	1225	0.5	0.00
0140	9.8	0.03	0705	10.2	0.05	1230	0.5	0.00
0145	10.3	0.02	0710	11.8	0.06	1235	0.5	0.00
0150	10.7	0.04	0715	14.6	0.05	1240	0.5	0.00
0155	11.2	0.02	0720	18.6	0.14	1245	0.5	0.00
0200	11.4	0.02	0725	32.2	0.30	1250	0.5	0.00
0205	11.1	0.02	0730	45.2	0.13	1255	0.5	0.00
0210	10.9	0.02	0735	49.7	0.12	1300	0.4	0.00
0215	10.7	0.02	0740	53.4	0.08	1305	0.4	0.00
0220	10.5	0.01	0745	53.4	0.01	1310	0.4	0.00
0225	9.6	0.00	0750	49.7	0.00	1315	0.4	0.00
0230	8.7	0.01	0755	45.2	0.01	1320	0.4	0.00
0235	8.6	0.00	0800	37.4	0.00	1325	0.4	0.00
0240	6.8	0.01	0805	26.9	0.00	1330	0.4	0.00
0245	5.6	0.00	0810	21.6	0.01	1335	0.4	0.00
0250	4.7	0.00	0815	17.4	0.00	1340	0.4	0.00
0255	4.2	0.00	0820	15.0	0.00	1345	0.4	0.00
0300	3.5	0.00	0825	13.1	0.00	1350	0.4	0.00
0305	3.1	0.00	0830	12.4	0.00	1355	0.4	0.00
0310	2.6	0.00	0835	10.9	0.00	1400	0.4	0.00
0315	2.2	0.01	0840	10.0	0.00	1405	0.4	0.00
0320	2.0	0.00	0845	9.2	0.00	1410	0.3	0.00
0325	1.6	0.00	0850	8.3	0.00	1415	0.3	0.00

Table 113.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, March 13-14, 1986--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
1420	0.3	0.00	1440	0.3	0.00	1500	0.3	0.00
1425	0.3	0.00	1445	0.3	0.00			
1430	0.3	0.00	1450	0.3	0.00			
1435	0.3	0.00	1455	0.3	0.00			

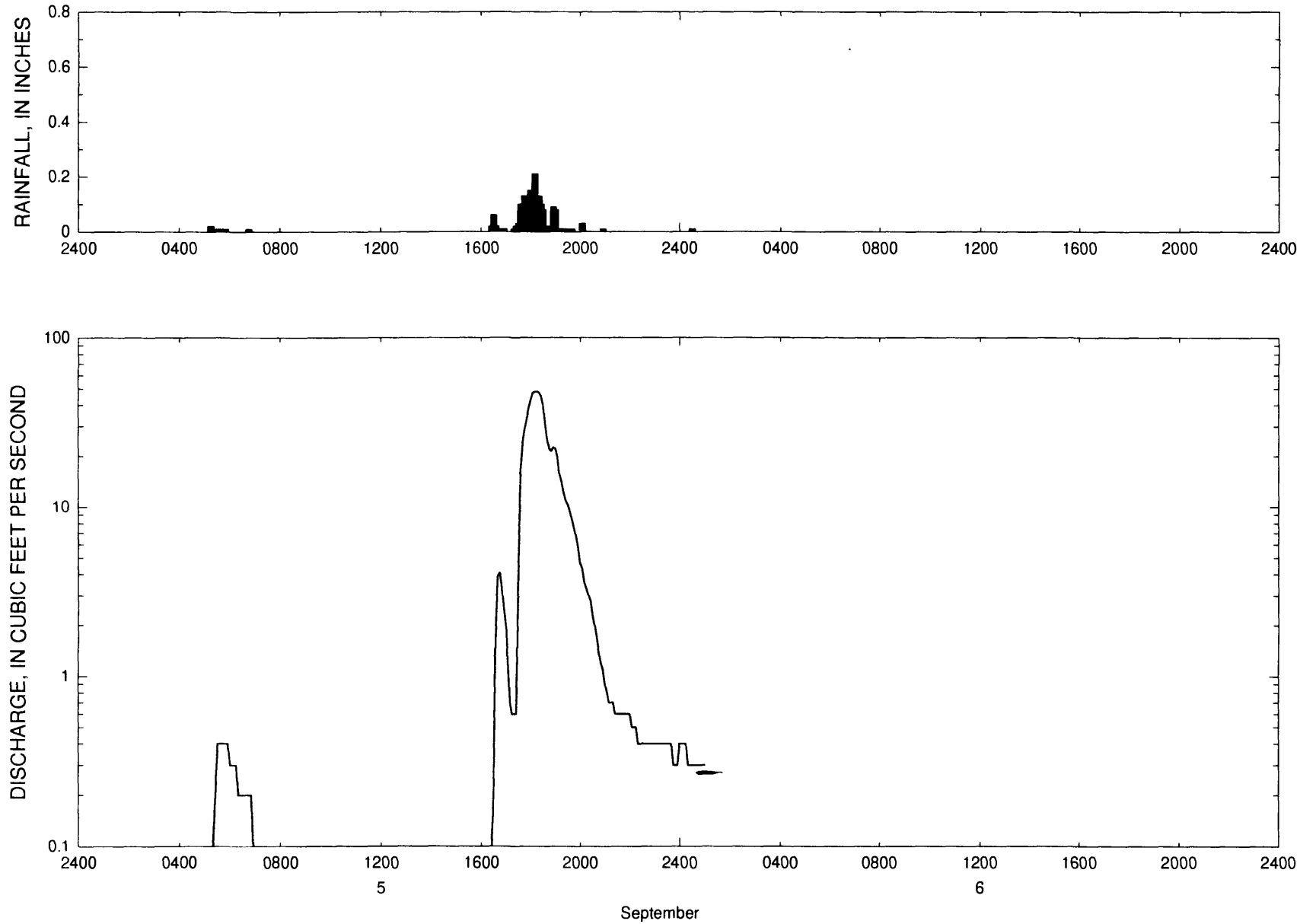


Figure 115.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, September 5-6, 1986.

Table 114.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, September 5-6, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 5, 1986			1035	0.1	0.00	1600	0.1	0.00
0515	0.1	0.02	1040	0.1	0.00	1605	0.1	0.00
0520	0.1	0.01	1045	0.1	0.00	1610	0.1	0.00
0525	0.2	0.00	1050	0.1	0.00	1615	0.1	0.00
0530	0.4	0.01	1055	0.1	0.00	1620	0.1	0.00
0535	0.4	0.00	1100	0.1	0.00	1625	0.1	0.02
0540	0.4	0.01	1105	0.1	0.00	1630	0.2	0.06
0545	0.4	0.00	1110	0.1	0.00	1635	1.7	0.02
0550	0.4	0.01	1115	0.1	0.00	1640	3.9	0.01
0555	0.4	0.00	1120	0.1	0.00	1645	4.1	0.01
0600	0.3	0.00	1125	0.1	0.00	1650	3.3	0.00
0605	0.3	0.00	1130	0.1	0.00	1655	2.5	0.01
0610	0.3	0.00	1135	0.1	0.00	1700	2.0	0.00
0615	0.3	0.00	1140	0.1	0.00	1705	1.2	0.00
0620	0.2	0.00	1145	0.1	0.00	1710	0.7	0.00
0625	0.2	0.00	1150	0.1	0.00	1715	0.6	0.00
0630	0.2	0.00	1155	0.1	0.00	1720	0.6	0.01
0635	0.2	0.00	1200	0.1	0.00	1725	0.6	0.02
0640	0.2	0.00	1205	0.1	0.00	1730	4.1	0.03
0645	0.2	0.01	1210	0.1	0.00	1735	15.8	0.10
0650	0.2	0.00	1215	0.1	0.00	1740	23.6	0.09
0655	0.1	0.00	1220	0.1	0.00	1745	28.6	0.13
0700	0.1	0.00	1225	0.1	0.00	1750	32.6	0.13
0705	0.1	0.00	1230	0.1	0.00	1755	37.9	0.12
0710	0.1	0.00	1235	0.1	0.00	1800	42.7	0.15
0715	0.1	0.00	1240	0.1	0.00	1805	47.4	0.14
0720	0.1	0.00	1245	0.1	0.00	1810	48.0	0.21
0725	0.1	0.00	1250	0.1	0.00	1815	48.3	0.11
0730	0.1	0.00	1255	0.1	0.00	1820	47.7	0.13
0735	0.1	0.00	1300	0.1	0.00	1825	45.5	0.10
0740	0.1	0.00	1305	0.1	0.00	1830	40.5	0.08
0745	0.1	0.00	1310	0.1	0.00	1835	31.2	0.02
0750	0.1	0.00	1315	0.1	0.00	1840	25.8	0.02
0755	0.1	0.00	1320	0.1	0.00	1845	22.2	0.01
0800	0.1	0.00	1325	0.1	0.00	1850	21.4	0.01
0805	0.1	0.00	1330	0.1	0.00	1855	22.6	0.09
0810	0.1	0.00	1335	0.1	0.00	1900	22.2	0.08
0815	0.1	0.00	1340	0.1	0.00	1905	19.8	0.01
0820	0.1	0.00	1345	0.1	0.00	1910	15.7	0.00
0825	0.1	0.00	1350	0.1	0.00	1915	14.2	0.01
0830	0.1	0.00	1355	0.1	0.00	1920	12.4	0.00
0835	0.1	0.00	1400	0.1	0.00	1925	11.1	0.01
0840	0.1	0.00	1405	0.1	0.00	1930	10.3	0.01
0845	0.1	0.00	1410	0.1	0.00	1935	9.4	0.01
0850	0.1	0.00	1415	0.1	0.00	1940	8.5	0.01
0855	0.1	0.00	1420	0.1	0.00	1945	7.6	0.00
0900	0.1	0.00	1425	0.1	0.00	1950	6.7	0.00
0905	0.1	0.00	1430	0.1	0.00	1955	5.8	0.00
0910	0.1	0.00	1435	0.1	0.00	2000	4.7	0.00
0915	0.1	0.00	1440	0.1	0.00	2005	4.3	0.03
0920	0.1	0.00	1445	0.1	0.00	2010	3.6	0.00
0925	0.1	0.00	1450	0.1	0.00	2015	3.3	0.00
0930	0.1	0.00	1455	0.1	0.00	2020	3.0	0.00
0935	0.1	0.00	1500	0.1	0.00	2025	2.8	0.00
0940	0.1	0.00	1505	0.1	0.00	2030	2.3	0.00
0945	0.1	0.00	1510	0.1	0.00	2035	2.0	0.00
0950	0.1	0.00	1515	0.1	0.00	2040	1.7	0.00
0955	0.1	0.00	1520	0.1	0.00	2045	1.4	0.00
1000	0.1	0.00	1525	0.1	0.00	2050	1.2	0.00
1005	0.1	0.00	1530	0.1	0.00	2055	1.1	0.01
1010	0.1	0.00	1535	0.1	0.00	2100	0.9	0.00
1015	0.1	0.00	1540	0.1	0.00	2105	0.8	0.00
1020	0.1	0.00	1545	0.1	0.00	2110	0.7	0.00
1025	0.1	0.00	1550	0.1	0.00	2115	0.7	0.00
1030	0.1	0.00	1555	0.1	0.00	2120	0.7	0.00

Table 114.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, September 5-6, 1986--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
2125	0.6	0.00	2245	0.4	0.00	0000	0.4	0.00
2130	0.6	0.00	2250	0.4	0.00	0005	0.4	0.00
2135	0.6	0.00	2255	0.4	0.00	0010	0.4	0.00
2140	0.6	0.00	2300	0.4	0.00	0015	0.4	0.00
2145	0.6	0.00	2305	0.4	0.00	0020	0.3	0.00
2150	0.6	0.00	2310	0.4	0.00	0025	0.3	0.00
2155	0.6	0.00	2315	0.4	0.00	0030	0.3	0.01
2200	0.6	0.00	2320	0.4	0.00	0035	0.3	0.00
2205	0.5	0.00	2325	0.4	0.00	0040	0.3	0.00
2210	0.5	0.00	2330	0.4	0.00	0045	0.3	0.00
2215	0.5	0.00	2335	0.4	0.00	0050	0.3	0.00
2220	0.4	0.00	2340	0.4	0.00	0055	0.3	0.00
2225	0.4	0.00	2345	0.3	0.00	0100	0.3	0.00
2230	0.4	0.00	2350	0.3	0.00			
2235	0.4	0.00	2355	0.3	0.00			
2240	0.4	0.00	September 6, 1986					

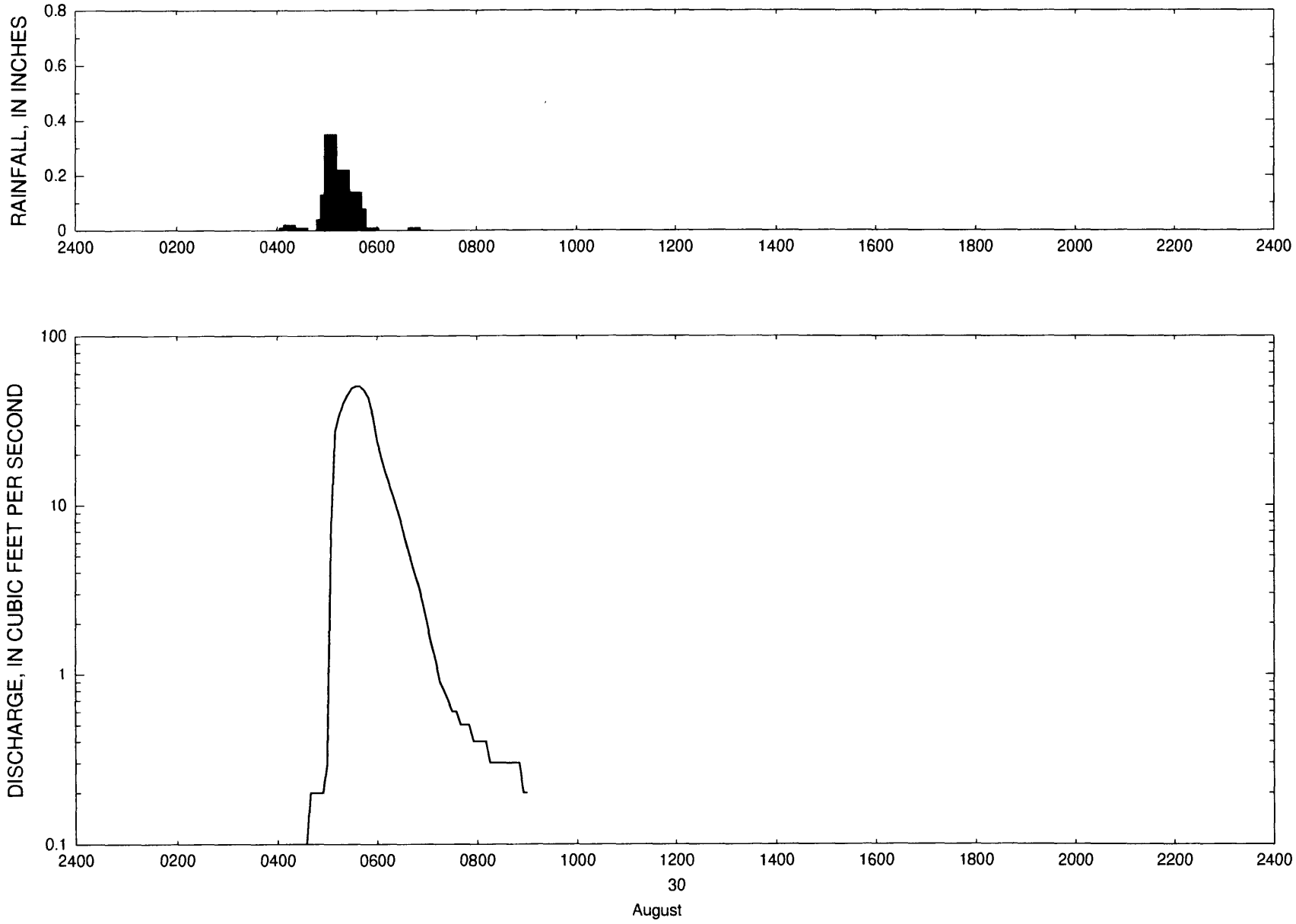


Figure 116.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, August 30, 1987.

Table 115.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, August 30, 1987

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
August 30, 1987			0545	48.0	0.01	0725	0.7	0.00
0410	0.1	0.01	0550	43.2	0.00	0730	0.6	0.00
0415	0.1	0.02	0555	33.9	0.01	0735	0.6	0.00
0420	0.1	0.01	0600	23.9	0.00	0740	0.5	0.00
0425	0.1	0.00	0605	19.3	0.00	0745	0.5	0.00
0430	0.1	0.01	0610	15.6	0.00	0750	0.5	0.00
0435	0.1	0.00	0615	13.1	0.00	0755	0.4	0.00
0440	0.2	0.00	0620	11.1	0.00	0800	0.4	0.00
0445	0.2	0.00	0625	9.2	0.00	0805	0.4	0.00
0450	0.2	0.00	0630	7.6	0.00	0810	0.4	0.00
0455	0.2	0.04	0635	6.0	0.00	0815	0.3	0.00
0500	0.3	0.13	0640	4.9	0.00	0820	0.3	0.00
0505	7.6	0.35	0645	4.0	0.01	0825	0.3	0.00
0510	27.5	0.17	0650	3.3	0.00	0830	0.3	0.00
0515	34.1	0.17	0655	2.6	0.00	0835	0.3	0.00
0520	40.3	0.22	0700	2.0	0.00	0840	0.3	0.00
0525	44.9	0.13	0705	1.5	0.00	0845	0.3	0.00
0530	49.4	0.12	0710	1.2	0.00	0850	0.3	0.00
0535	50.6	0.14	0715	0.9	0.00	0855	0.2	0.00
0540	50.6	0.08	0720	0.8	0.00	0900	0.2	0.00

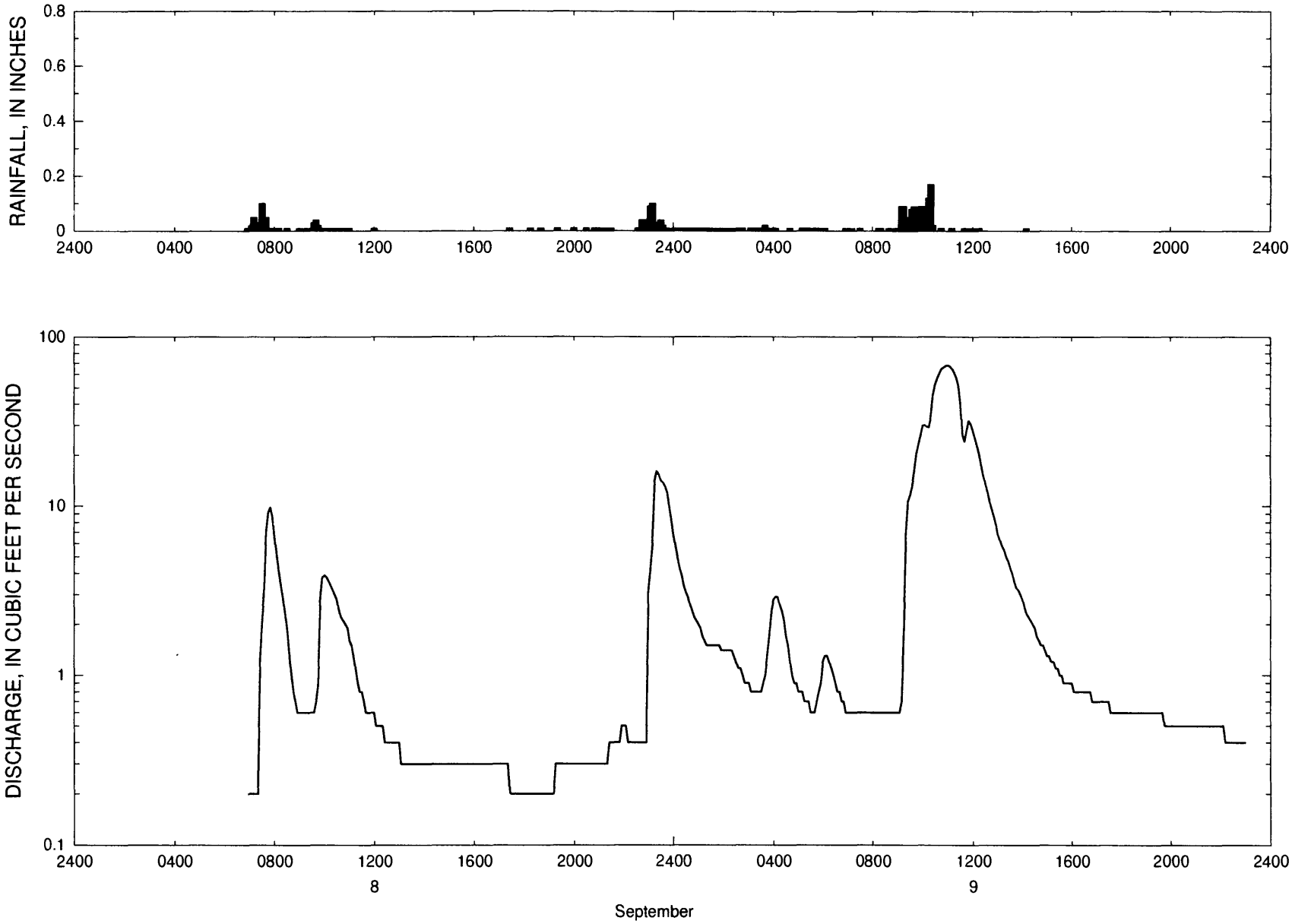


Figure 117.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, September 8-9, 1988.

Table 116.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, September 8-9, 1988

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
September 08, 1988			1215	0.5	0.00	1740	0.2	0.00
0655	0.2	0.01	1220	0.5	0.00	1745	0.2	0.00
0700	0.2	0.01	1225	0.4	0.00	1750	0.2	0.00
0705	0.2	0.02	1230	0.4	0.00	1755	0.2	0.00
0710	0.2	0.05	1235	0.4	0.00	1800	0.2	0.00
0715	0.2	0.03	1240	0.4	0.00	1805	0.2	0.00
0720	0.2	0.01	1245	0.4	0.00	1810	0.2	0.00
0725	1.2	0.03	1250	0.4	0.00	1815	0.2	0.01
0730	2.1	0.10	1255	0.4	0.00	1820	0.2	0.00
0735	3.2	0.03	1300	0.4	0.00	1825	0.2	0.00
0740	7.0	0.05	1305	0.3	0.00	1830	0.2	0.00
0745	9.2	0.01	1310	0.3	0.00	1835	0.2	0.00
0750	9.8	0.01	1315	0.3	0.00	1840	0.2	0.01
0755	8.7	0.01	1320	0.3	0.00	1845	0.2	0.00
0800	6.7	0.01	1325	0.3	0.00	1850	0.2	0.00
0805	5.2	0.01	1330	0.3	0.00	1855	0.2	0.00
0810	4.1	0.01	1335	0.3	0.00	1900	0.2	0.00
0815	3.4	0.00	1340	0.3	0.00	1905	0.2	0.00
0820	2.9	0.00	1345	0.3	0.00	1910	0.2	0.00
0825	2.3	0.00	1350	0.3	0.00	1915	0.3	0.00
0830	1.9	0.01	1355	0.3	0.00	1920	0.3	0.01
0835	1.4	0.00	1400	0.3	0.00	1925	0.3	0.00
0840	1.0	0.00	1405	0.3	0.00	1930	0.3	0.00
0845	0.8	0.00	1410	0.3	0.00	1935	0.3	0.00
0850	0.7	0.00	1415	0.3	0.00	1940	0.3	0.00
0855	0.6	0.00	1420	0.3	0.00	1945	0.3	0.00
0900	0.6	0.01	1425	0.3	0.00	1950	0.3	0.00
0905	0.6	0.00	1430	0.3	0.00	1955	0.3	0.00
0910	0.6	0.01	1435	0.3	0.00	2000	0.3	0.01
0915	0.6	0.01	1440	0.3	0.00	2005	0.3	0.00
0920	0.6	0.01	1445	0.3	0.00	2010	0.3	0.00
0925	0.6	0.00	1450	0.3	0.00	2015	0.3	0.00
0930	0.6	0.00	1455	0.3	0.00	2020	0.3	0.00
0935	0.6	0.03	1500	0.3	0.00	2025	0.3	0.00
0940	0.7	0.04	1505	0.3	0.00	2030	0.3	0.01
0945	0.9	0.02	1510	0.3	0.00	2035	0.3	0.00
0950	2.8	0.01	1515	0.3	0.00	2040	0.3	0.00
0955	3.8	0.01	1520	0.3	0.00	2045	0.3	0.00
1000	3.9	0.01	1525	0.3	0.00	2050	0.3	0.01
1005	3.8	0.01	1530	0.3	0.00	2055	0.3	0.01
1010	3.6	0.01	1535	0.3	0.00	2100	0.3	0.00
1015	3.4	0.01	1540	0.3	0.00	2105	0.3	0.01
1020	3.2	0.01	1545	0.3	0.00	2110	0.3	0.00
1025	3.0	0.00	1550	0.3	0.00	2115	0.3	0.01
1030	2.8	0.01	1555	0.3	0.00	2120	0.3	0.00
1035	2.4	0.00	1600	0.3	0.00	2125	0.4	0.00
1040	2.2	0.01	1605	0.3	0.00	2130	0.4	0.01
1045	2.1	0.01	1610	0.3	0.00	2135	0.4	0.00
1050	2.0	0.01	1615	0.3	0.00	2140	0.4	0.00
1055	1.9	0.00	1620	0.3	0.00	2145	0.4	0.00
1100	1.6	0.01	1625	0.3	0.00	2150	0.4	0.00
1105	1.5	0.00	1630	0.3	0.00	2155	0.5	0.00
1110	1.3	0.00	1635	0.3	0.00	2200	0.5	0.00
1115	1.1	0.00	1640	0.3	0.00	2205	0.5	0.00
1120	0.9	0.00	1645	0.3	0.00	2210	0.4	0.00
1125	0.8	0.00	1650	0.3	0.00	2215	0.4	0.00
1130	0.8	0.00	1655	0.3	0.00	2220	0.4	0.00
1135	0.7	0.00	1700	0.3	0.00	2225	0.4	0.00
1140	0.6	0.00	1705	0.3	0.00	2230	0.4	0.00
1145	0.6	0.00	1710	0.3	0.00	2235	0.4	0.01
1150	0.6	0.00	1715	0.3	0.00	2240	0.4	0.01
1155	0.6	0.00	1720	0.3	0.00	2245	0.4	0.04
1200	0.6	0.01	1725	0.2	0.01	2250	0.4	0.04
1205	0.5	0.00	1730	0.2	0.00	2255	0.4	0.02
1210	0.5	0.00	1735	0.2	0.00	2300	3.1	0.02

Table 116.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, September 8-9, 1988--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
2305	4.2	0.09	0425	2.1	0.00	0950	23.2	0.09
2310	6.0	0.10	0430	1.7	0.00	0955	26.2	0.09
2315	13.9	0.02	0435	1.5	0.00	1000	30.0	0.05
2320	16.1	0.02	0440	1.2	0.01	1005	30.2	0.05
2325	15.4	0.03	0445	1.0	0.00	1010	29.5	0.09
2330	14.2	0.04	0450	0.9	0.00	1015	29.3	0.12
2335	13.7	0.02	0455	0.9	0.00	1020	33.6	0.17
2340	13.0	0.01	0500	0.8	0.00	1025	45.2	0.02
2345	12.0	0.01	0505	0.8	0.00	1030	52.2	0.00
2350	10.0	0.00	0510	0.8	0.01	1035	56.8	0.00
2355	8.3	0.01	0515	0.7	0.00	1040	61.0	0.00
	September	09, 1988	0520	0.7	0.00	1045	64.9	0.01
0000	6.8	0.00	0525	0.7	0.01	1050	66.1	0.00
0005	5.8	0.01	0530	0.6	0.00	1055	67.4	0.00
0010	4.9	0.00	0535	0.6	0.01	1100	68.0	0.00
0015	4.3	0.01	0540	0.6	0.01	1105	66.8	0.00
0020	3.9	0.00	0545	0.7	0.01	1110	64.9	0.01
0025	3.4	0.01	0550	0.8	0.01	1115	61.6	0.00
0030	3.1	0.00	0555	0.9	0.00	1120	57.4	0.00
0035	2.9	0.00	0600	1.2	0.00	1125	51.7	0.00
0040	2.6	0.01	0605	1.3	0.01	1130	40.9	0.00
0045	2.4	0.00	0610	1.3	0.00	1135	26.4	0.00
0050	2.2	0.01	0615	1.2	0.00	1140	24.1	0.01
0055	2.1	0.00	0620	1.1	0.00	1145	28.0	0.00
0100	2.0	0.00	0625	1.0	0.00	1150	31.9	0.01
0105	1.9	0.01	0630	0.9	0.00	1155	30.5	0.00
0110	1.7	0.00	0635	0.8	0.00	1200	27.7	0.01
0115	1.6	0.01	0640	0.8	0.00	1205	25.1	0.00
0120	1.5	0.00	0645	0.7	0.00	1210	22.6	0.00
0125	1.5	0.01	0650	0.7	0.00	1215	20.2	0.01
0130	1.5	0.00	0655	0.6	0.01	1220	17.4	0.00
0135	1.5	0.01	0700	0.6	0.00	1225	15.2	0.00
0140	1.5	0.01	0705	0.6	0.00	1230	13.3	0.00
0145	1.5	0.00	0710	0.6	0.01	1235	12.0	0.00
0150	1.5	0.01	0715	0.6	0.00	1240	10.5	0.00
0155	1.4	0.00	0720	0.6	0.00	1245	9.6	0.00
0200	1.4	0.01	0725	0.6	0.00	1250	8.7	0.00
0205	1.4	0.00	0730	0.6	0.01	1255	7.8	0.00
0210	1.4	0.00	0735	0.6	0.00	1300	6.8	0.00
0215	1.4	0.01	0740	0.6	0.00	1305	6.3	0.00
0220	1.4	0.00	0745	0.6	0.00	1310	5.8	0.00
0225	1.3	0.00	0750	0.6	0.00	1315	5.5	0.00
0230	1.2	0.01	0755	0.6	0.00	1320	5.0	0.00
0235	1.1	0.00	0800	0.6	0.00	1325	4.7	0.00
0240	1.1	0.00	0805	0.6	0.00	1330	4.3	0.00
0245	1.0	0.01	0810	0.6	0.00	1335	4.0	0.00
0250	0.9	0.00	0815	0.6	0.01	1340	3.6	0.00
0255	0.9	0.00	0820	0.6	0.01	1345	3.3	0.00
0300	0.9	0.00	0825	0.6	0.00	1350	3.2	0.00
0305	0.8	0.01	0830	0.6	0.00	1355	3.0	0.00
0310	0.8	0.00	0835	0.6	0.00	1400	2.8	0.00
0315	0.8	0.01	0840	0.6	0.01	1405	2.5	0.00
0320	0.8	0.00	0845	0.6	0.00	1410	2.3	0.01
0325	0.8	0.01	0850	0.6	0.00	1415	2.2	0.00
0330	0.8	0.01	0855	0.6	0.01	1420	2.1	0.00
0335	0.9	0.00	0900	0.6	0.01	1425	2.0	0.00
0340	1.0	0.02	0905	0.6	0.01	1430	1.9	0.00
0345	1.3	0.01	0910	0.7	0.09	1435	1.7	0.00
0350	1.7	0.01	0915	1.7	0.09	1440	1.6	0.00
0355	2.4	0.01	0920	6.7	0.02	1445	1.5	0.00
0400	2.8	0.01	0925	10.7	0.03	1450	1.5	0.00
0405	2.9	0.01	0930	11.6	0.05	1455	1.4	0.00
0410	2.9	0.00	0935	13.1	0.08	1500	1.3	0.00
0415	2.6	0.00	0940	15.8	0.09	1505	1.3	0.00
0420	2.4	0.00	0945	20.4	0.06	1510	1.2	0.00

Table 116.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, September 8-9, 1988--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
1515	1.2	0.00	1755	0.6	0.00	2035	0.5	0.00
1520	1.1	0.00	1800	0.6	0.00	2040	0.5	0.00
1525	1.1	0.00	1805	0.6	0.00	2045	0.5	0.00
1530	1.0	0.00	1810	0.6	0.00	2050	0.5	0.00
1535	1.0	0.00	1815	0.6	0.00	2055	0.5	0.00
1540	0.9	0.00	1820	0.6	0.00	2100	0.5	0.00
1545	0.9	0.00	1825	0.6	0.00	2105	0.5	0.00
1550	0.9	0.00	1830	0.6	0.00	2110	0.5	0.00
1555	0.9	0.00	1835	0.6	0.00	2115	0.5	0.00
1600	0.9	0.00	1840	0.6	0.00	2120	0.5	0.00
1605	0.8	0.00	1845	0.6	0.00	2125	0.5	0.00
1610	0.8	0.00	1850	0.6	0.00	2130	0.5	0.00
1615	0.8	0.00	1855	0.6	0.00	2135	0.5	0.00
1620	0.8	0.00	1900	0.6	0.00	2140	0.5	0.00
1625	0.8	0.00	1905	0.6	0.00	2145	0.5	0.00
1630	0.8	0.00	1910	0.6	0.00	2150	0.5	0.00
1635	0.8	0.00	1915	0.6	0.00	2155	0.5	0.00
1640	0.8	0.00	1920	0.6	0.00	2200	0.5	0.00
1645	0.8	0.00	1925	0.6	0.00	2205	0.5	0.00
1650	0.7	0.00	1930	0.6	0.00	2210	0.4	0.00
1655	0.7	0.00	1935	0.6	0.00	2215	0.4	0.00
1700	0.7	0.00	1940	0.6	0.00	2220	0.4	0.00
1705	0.7	0.00	1945	0.5	0.00	2225	0.4	0.00
1710	0.7	0.00	1950	0.5	0.00	2230	0.4	0.00
1715	0.7	0.00	1955	0.5	0.00	2235	0.4	0.00
1720	0.7	0.00	2000	0.5	0.00	2240	0.4	0.00
1725	0.7	0.00	2005	0.5	0.00	2245	0.4	0.00
1730	0.7	0.00	2010	0.5	0.00	2250	0.4	0.00
1735	0.6	0.00	2015	0.5	0.00	2255	0.4	0.00
1740	0.6	0.00	2020	0.5	0.00	2300	0.4	0.00
1745	0.6	0.00	2025	0.5	0.00			
1750	0.6	0.00	2030	0.5	0.00			

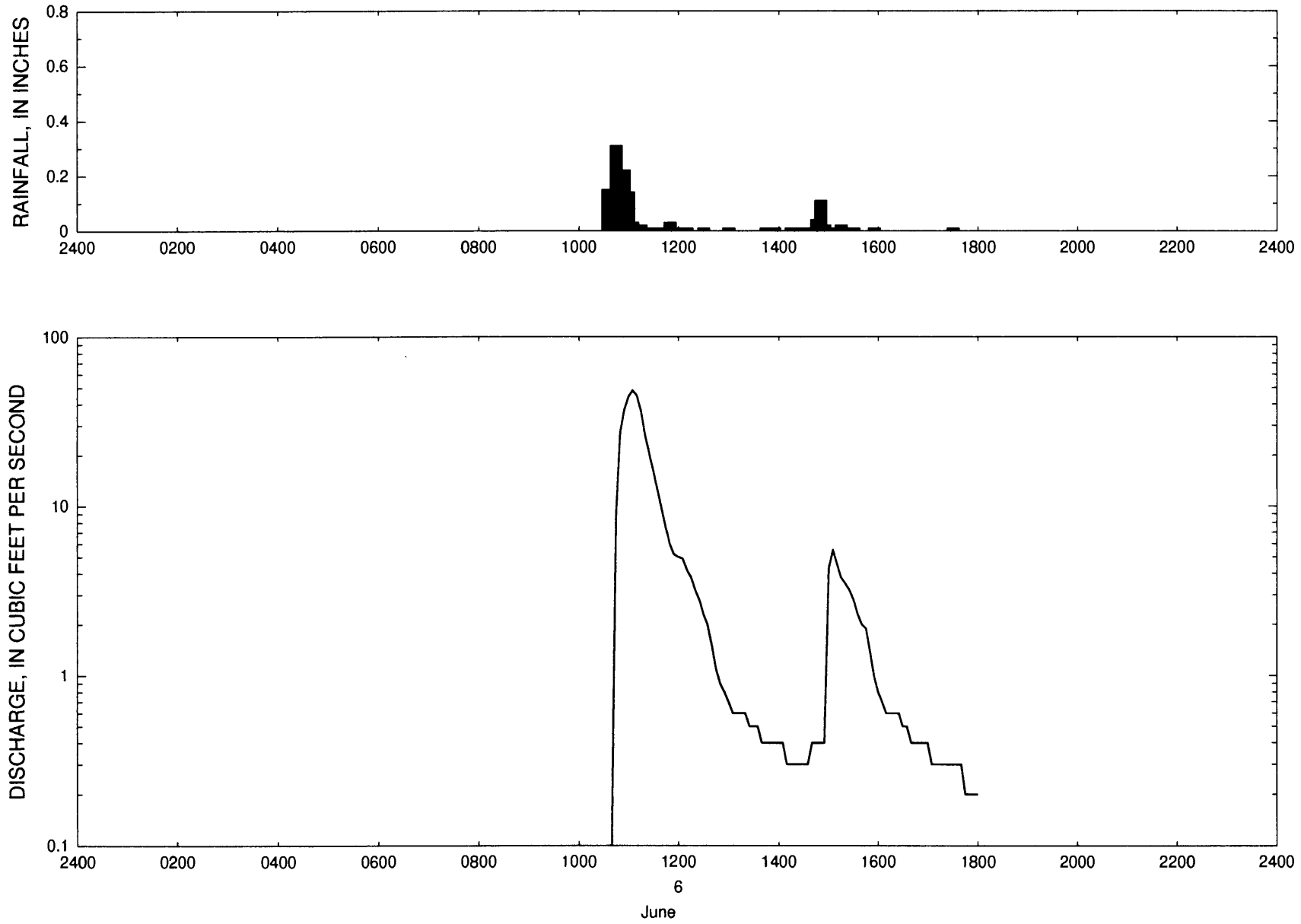


Figure 113.--Streamflow and rainfall at station 02172000330, Noisette Creek at North Charleston, June 6, 1999.

Table 117.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, June 6, 1989

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
June 6, 1989			1305	0.6	0.00	1540	2.0	0.00
1035	0.1	0.15	1310	0.6	0.00	1545	1.9	0.00
1040	0.1	0.11	1315	0.6	0.00	1550	1.4	0.00
1045	8.9	0.31	1320	0.6	0.00	1555	1.0	0.01
1050	27.3	0.16	1325	0.5	0.00	1600	0.8	0.00
1055	36.9	0.22	1330	0.5	0.00	1605	0.7	0.00
1100	44.1	0.14	1335	0.5	0.00	1610	0.6	0.00
1105	48.3	0.03	1340	0.4	0.00	1615	0.6	0.00
1110	44.9	0.01	1345	0.4	0.01	1620	0.6	0.00
1115	36.6	0.02	1350	0.4	0.00	1625	0.6	0.00
1120	26.2	0.01	1355	0.4	0.01	1630	0.5	0.00
1125	20.6	0.01	1400	0.4	0.00	1635	0.5	0.00
1130	16.1	0.00	1405	0.4	0.00	1640	0.4	0.00
1135	12.4	0.01	1410	0.3	0.00	1645	0.4	0.00
1140	9.6	0.00	1415	0.3	0.01	1650	0.4	0.00
1145	7.4	0.01	1420	0.3	0.01	1655	0.4	0.00
1150	6.0	0.03	1425	0.3	0.00	1700	0.4	0.00
1155	5.2	0.01	1430	0.3	0.00	1705	0.3	0.00
1200	5.0	0.01	1435	0.3	0.01	1710	0.3	0.00
1205	4.9	0.00	1440	0.4	0.00	1715	0.3	0.00
1210	4.2	0.01	1445	0.4	0.04	1720	0.3	0.00
1215	3.8	0.00	1450	0.4	0.11	1725	0.3	0.00
1220	3.2	0.00	1455	0.4	0.02	1730	0.3	0.01
1225	2.8	0.00	1500	4.3	0.01	1735	0.3	0.00
1230	2.3	0.01	1505	5.5	0.00	1740	0.3	0.00
1235	2.0	0.00	1510	4.6	0.01	1745	0.2	0.00
1240	1.5	0.00	1515	3.8	0.02	1750	0.2	0.00
1245	1.1	0.00	1520	3.5	0.01	1755	0.2	0.00
1250	0.9	0.00	1525	3.2	0.00	1800	0.2	0.00
1255	0.8	0.00	1530	2.8	0.01			
1300	0.7	0.01	1535	2.3	0.00			

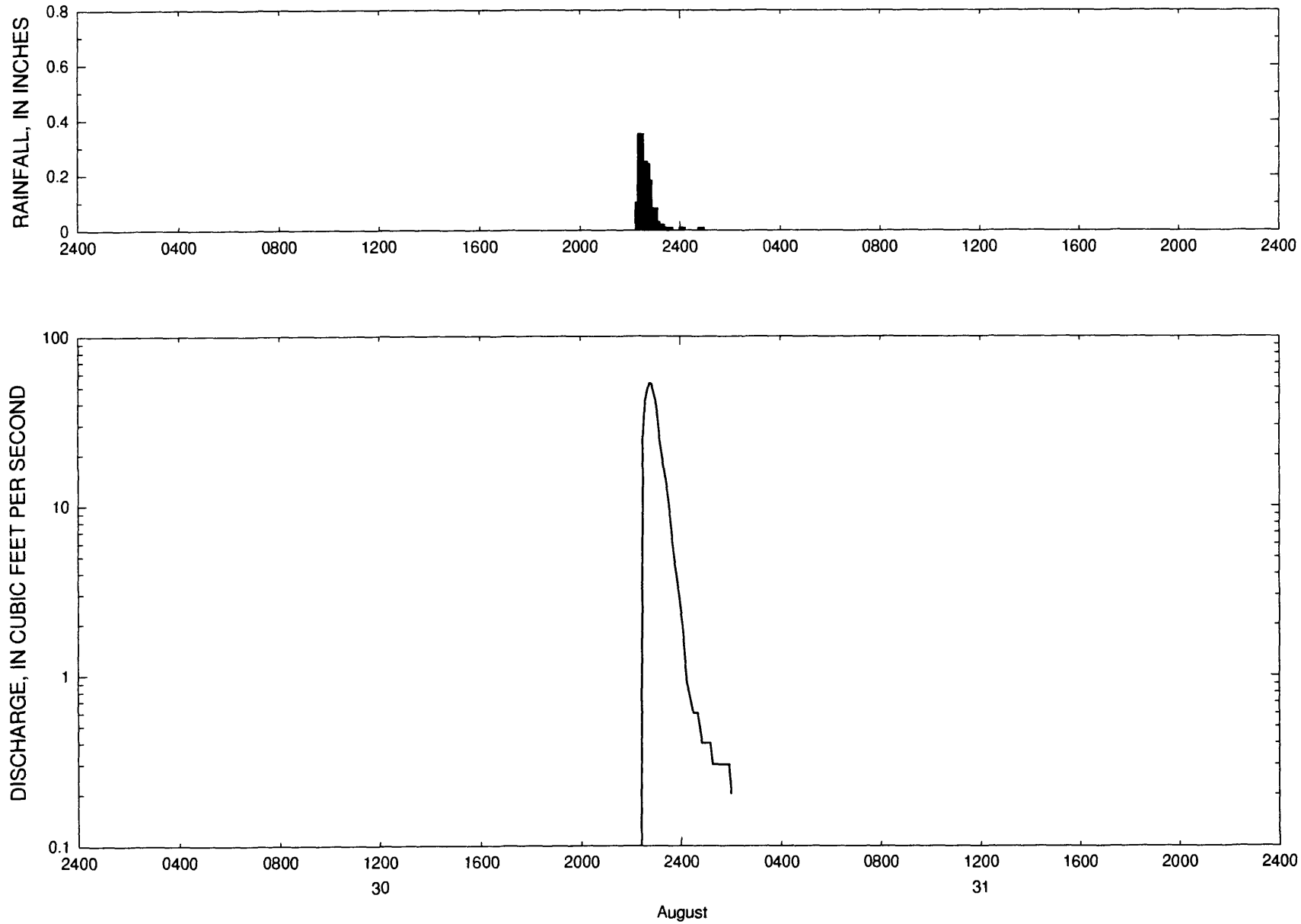


Figure 119.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, August 30-31, 1989.

Table 118.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, August 30-31, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 30, 1989			2335	8.5	0.01	0050	0.4	0.01
2220	0.1	0.10	2340	6.3	0.00	0055	0.4	0.00
2225	0.1	0.35	2345	4.9	0.00	0100	0.4	0.00
2230	25.8	0.25	2350	4.0	0.00	0105	0.4	0.00
2235	41.9	0.25	2355	3.1	0.00	0110	0.4	0.00
2240	47.7	0.24	August 31, 1989			0115	0.3	0.00
2245	52.8	0.18	0000	2.4	0.00	0120	0.3	0.00
2250	52.5	0.03	0005	1.9	0.01	0125	0.3	0.00
2255	47.4	0.02	0010	1.3	0.00	0130	0.3	0.00
2300	42.2	0.08	0015	0.9	0.00	0135	0.3	0.00
2305	33.9	0.03	0020	0.8	0.00	0140	0.3	0.00
2310	24.9	0.01	0025	0.7	0.00	0145	0.3	0.00
2315	20.4	0.02	0030	0.6	0.00	0150	0.3	0.00
2320	16.5	0.01	0035	0.6	0.00	0155	0.3	0.00
2325	13.5	0.01	0040	0.6	0.00	0200	0.2	0.00
2330	10.9	0.00	0045	0.5	0.00			

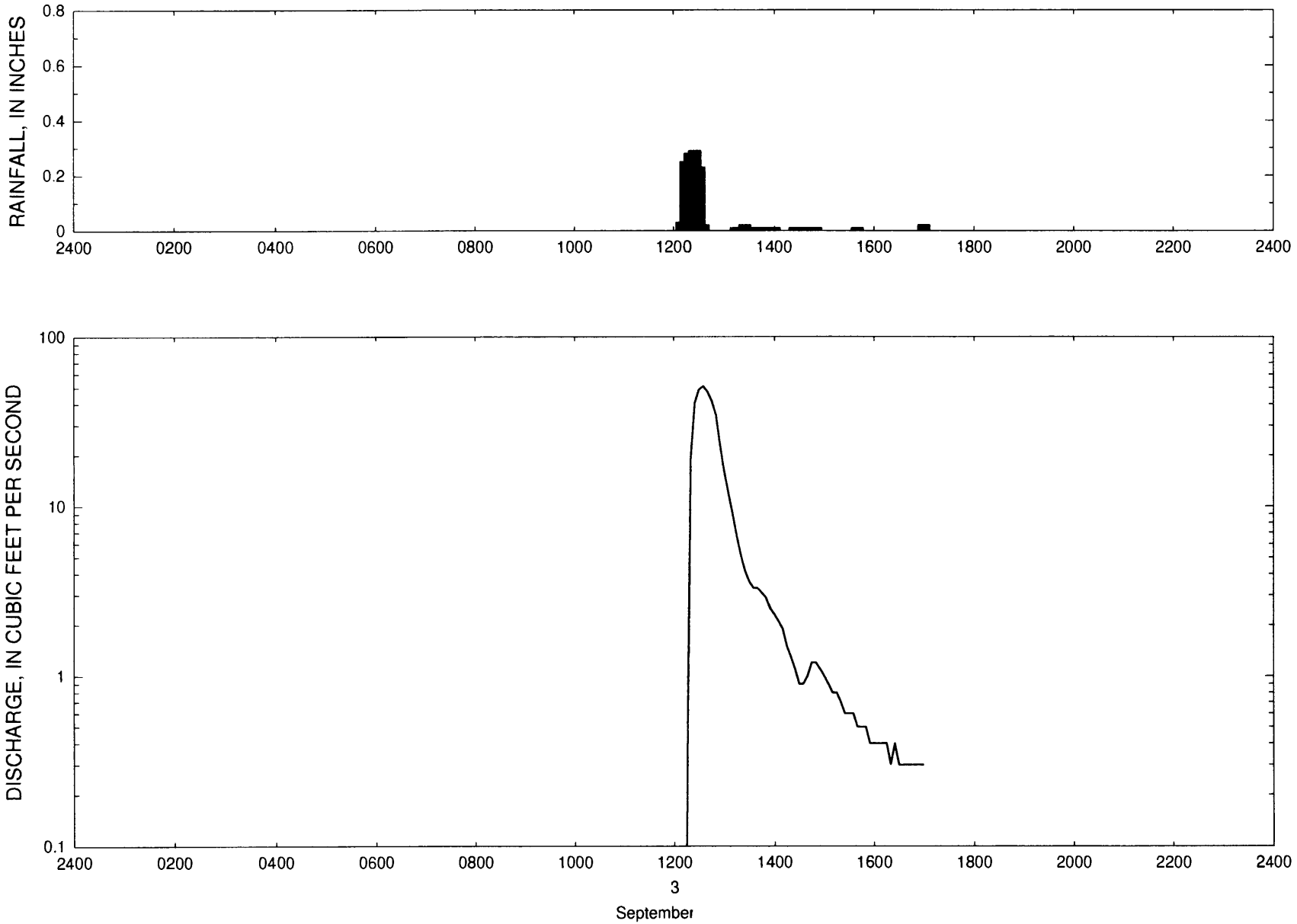


Figure 120.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, September 3, 1989.

Table 119.--Streamflow and rainfall at station 0217206930, Noisette Creek at North Charleston, September 3, 1989

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
September 3, 1989			1345	3.1	0.00	1525	0.6	0.00
1210	0.1	0.03	1350	2.9	0.01	1530	0.6	0.00
1215	0.1	0.25	1355	2.5	0.00	1535	0.6	0.00
1220	18.8	0.28	1400	2.3	0.01	1540	0.5	0.01
1225	40.8	0.29	1405	2.1	0.00	1545	0.5	0.00
1230	48.8	0.23	1410	1.9	0.00	1550	0.5	0.00
1235	51.1	0.02	1415	1.5	0.00	1555	0.4	0.00
1240	47.4	0.00	1420	1.3	0.00	1600	0.4	0.00
1245	41.9	0.00	1425	1.1	0.01	1605	0.4	0.00
1250	34.6	0.00	1430	0.9	0.01	1610	0.4	0.00
1255	23.0	0.00	1435	0.9	0.00	1615	0.4	0.00
1300	16.1	0.00	1440	1.0	0.01	1620	0.3	0.00
1305	12.0	0.00	1445	1.2	0.00	1625	0.4	0.00
1310	9.1	0.00	1450	1.2	0.01	1630	0.3	0.00
1315	6.7	0.01	1455	1.1	0.00	1635	0.3	0.00
1320	5.2	0.00	1500	1.0	0.00	1640	0.3	0.00
1325	4.2	0.02	1505	0.9	0.00	1645	0.3	0.00
1330	3.6	0.01	1510	0.8	0.00	1650	0.3	0.00
1335	3.3	0.01	1515	0.8	0.00	1655	0.3	0.00
1340	3.3	0.01	1520	0.7	0.00	1700	0.3	0.02

Station 02173491, Hess Branch at Orangeburg, S.C.

Location.--Lat 33°30'12", long 80°52'41", Orangeburg County, Hydrologic Unit 03050203, at culvert on Middleton Road (State secondary road 211), 1.4 mi northwest of Orangeburg City Hall, and 0.5 mi upstream from the mouth at the North Fork Edisto River.

Period of record.-- May 8, 1986 to October 5, 1990.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to a free-standing platform 10 ft upstream from an 8.1 ft by 6 ft concrete box culvert. One crest-stage indicator is located on the right downstream wingwall.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 26.9 ft^3/s. The stage-streamflow relation was extended to 317 ft^3/s using indirect computational methods.

Rain gage and location.--Station 333027080520800, lat 33°30'27", long 80°52'08". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval on Columbia Road (U.S. Business Route 21/178), and 1.4 mi north of Orangeburg City Hall.

Selected basin characteristics.--

Drainage area -- 0.45 mi^2
Physiographic province -- Inner Coastal Plain
Channel slope -- 82.0 ft/mi
Channel length -- 1.17 mi
Total impervious area -- 29.0 percent
Basin development factor -- 7
2-year, 2-hour rainfall amount -- 2.20 in.

Flood frequency data:	UQ_2	148 ft^3/s
	UQ_5	232 ft^3/s
	UQ_{10}	290 ft^3/s
	UQ_{25}	362 ft^3/s
	UQ_{50}	416 ft^3/s
	UQ_{100}	470 ft^3/s
	UQ_{500}	600 ft^3/s

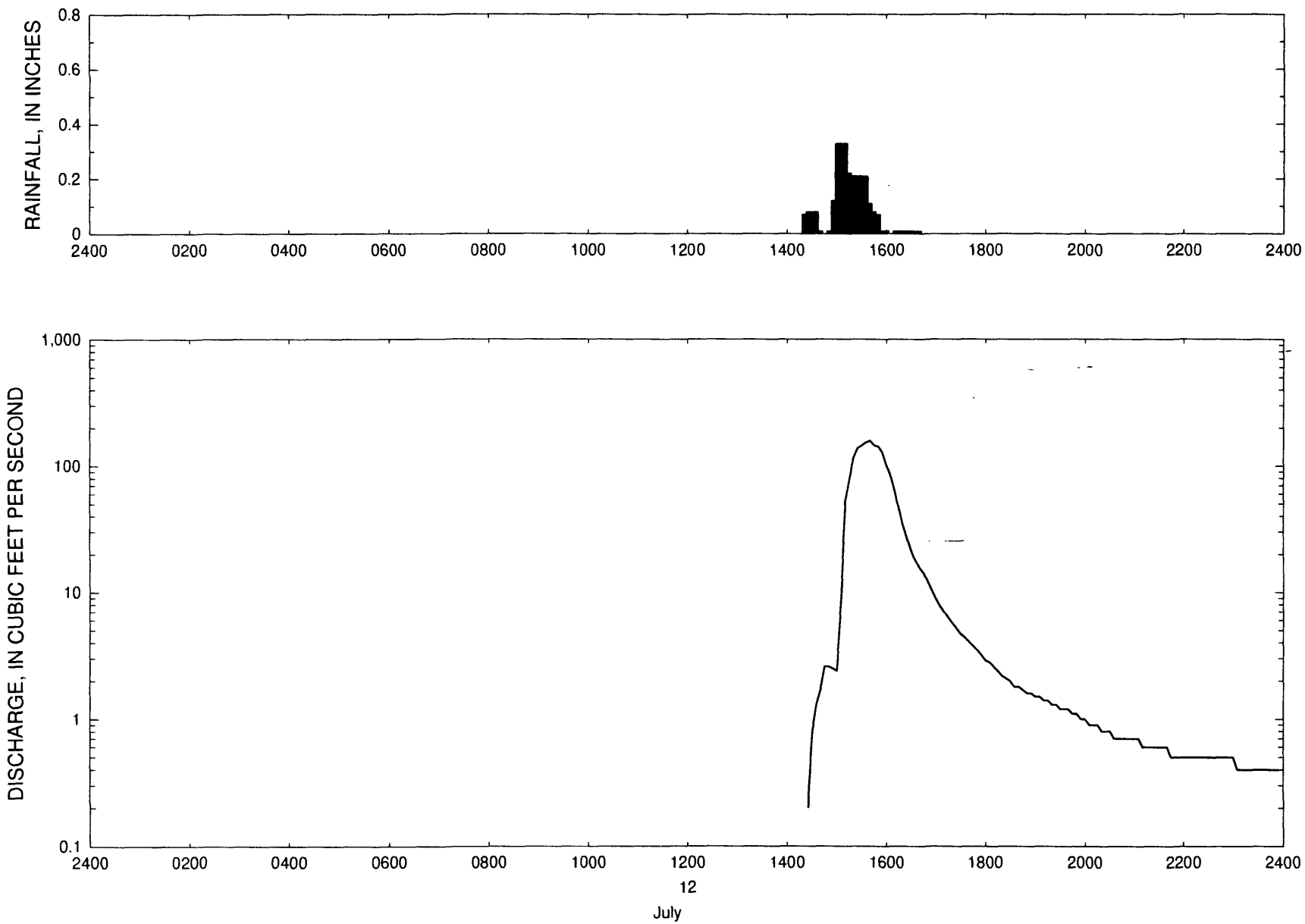


Figure 121.--Streamflow and rainfall at station 02173491, Hess Branch at Orangeburg, July 12, 1987.

Table 120.--Streamflow and rainfall at station 02173491, Hess Branch at Orangeburg, July 12, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 12, 1987			1740	4.1	0.00	2100	0.7	0.00
1425	0.2	0.07	1745	3.8	0.00	2105	0.7	0.00
1430	0.8	0.08	1750	3.5	0.00	2110	0.6	0.00
1435	1.3	0.01	1755	3.2	0.00	2115	0.6	0.00
1440	1.7	0.00	1800	2.9	0.00	2120	0.6	0.00
1445	2.6	0.00	1805	2.8	0.00	2125	0.6	0.00
1450	2.6	0.00	1810	2.6	0.00	2130	0.6	0.00
1455	2.5	0.01	1815	2.4	0.00	2135	0.6	0.00
1500	2.4	0.12	1820	2.2	0.00	2140	0.6	0.00
1505	8.9	0.33	1825	2.1	0.00	2145	0.5	0.00
1510	52.6	0.22	1830	2.0	0.00	2150	0.5	0.00
1515	78.8	0.11	1835	1.8	0.00	2155	0.5	0.00
1520	116.0	0.16	1840	1.8	0.00	2200	0.5	0.00
1525	139.0	0.21	1845	1.7	0.00	2205	0.5	0.00
1530	146.0	0.21	1850	1.6	0.00	2210	0.5	0.00
1535	154.0	0.11	1855	1.6	0.00	2215	0.5	0.00
1540	159.0	0.08	1900	1.5	0.00	2220	0.5	0.00
1545	146.0	0.07	1905	1.5	0.00	2225	0.5	0.00
1550	143.0	0.01	1910	1.4	0.00	2230	0.5	0.00
1555	128.0	0.01	1915	1.4	0.00	2235	0.5	0.00
1600	102.0	0.00	1920	1.3	0.00	2240	0.5	0.00
1605	82.4	0.00	1925	1.3	0.00	2245	0.5	0.00
1610	63.6	0.00	1930	1.2	0.00	2250	0.5	0.00
1615	45.6	0.01	1935	1.2	0.00	2255	0.5	0.00
1620	34.2	0.01	1940	1.2	0.00	2300	0.5	0.00
1625	26.9	0.00	1945	1.1	0.00	2305	0.4	0.00
1630	21.3	0.00	1950	1.1	0.00	2310	0.4	0.00
1635	17.8	0.01	1955	1.0	0.00	2315	0.4	0.00
1640	15.7	0.00	2000	1.0	0.00	2320	0.4	0.00
1645	14.2	0.00	2005	0.9	0.00	2325	0.4	0.00
1650	12.1	0.00	2010	0.9	0.00	2330	0.4	0.00
1655	10.3	0.00	2015	0.9	0.00	2335	0.4	0.00
1700	8.9	0.00	2020	0.8	0.00	2340	0.4	0.00
1705	7.8	0.00	2025	0.8	0.00	2345	0.4	0.00
1710	7.0	0.00	2030	0.8	0.00	2350	0.4	0.00
1715	6.3	0.00	2035	0.7	0.00	2355	0.4	0.00
1720	5.7	0.00	2040	0.7	0.00			
1725	5.2	0.00	2045	0.7	0.00			
1730	4.7	0.00	2050	0.7	0.00			
1735	4.4	0.00	2055	0.7	0.00			

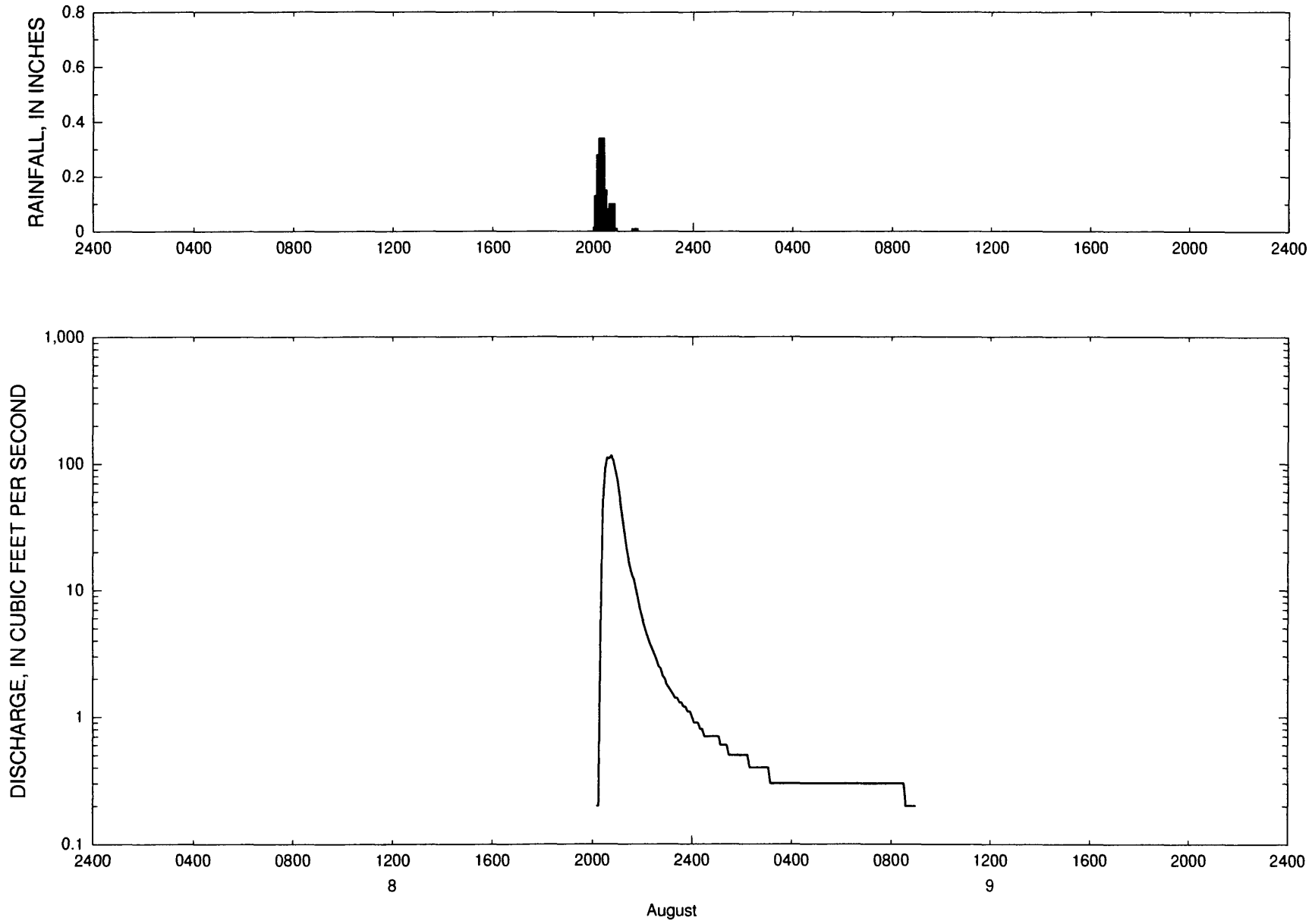


Figure 122.--Streamflow and rainfall at station 02173491, Hess Branch at Orangeburg, August 8-9, 1987.

Table 121.--Streamflow and rainfall at station 02173491, Hess Branch at Orangeburg, August 8-9, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 8, 1987			0025	0.8	0.00	0450	0.3	0.00
2010	0.2	0.13	0030	0.7	0.00	0455	0.3	0.00
2015	0.2	0.28	0035	0.7	0.00	0500	0.3	0.00
2020	5.8	0.34	0040	0.7	0.00	0505	0.3	0.00
2025	50.7	0.15	0045	0.7	0.00	0510	0.3	0.00
2030	90.6	0.05	0050	0.7	0.00	0515	0.3	0.00
2035	112.0	0.08	0055	0.7	0.00	0520	0.3	0.00
2040	110.0	0.05	0100	0.7	0.00	0525	0.3	0.00
2045	116.0	0.10	0105	0.7	0.00	0530	0.3	0.00
2050	105.0	0.01	0110	0.6	0.00	0535	0.3	0.00
2055	87.8	0.00	0115	0.6	0.00	0540	0.3	0.00
2100	73.6	0.00	0120	0.6	0.00	0545	0.3	0.00
2105	56.0	0.00	0125	0.6	0.00	0550	0.3	0.00
2110	41.8	0.00	0130	0.5	0.00	0555	0.3	0.00
2115	30.7	0.00	0135	0.5	0.00	0600	0.3	0.00
2120	23.3	0.00	0140	0.5	0.00	0605	0.3	0.00
2125	18.5	0.00	0145	0.5	0.00	0610	0.3	0.00
2130	15.5	0.00	0150	0.5	0.00	0615	0.3	0.00
2135	13.3	0.00	0155	0.5	0.00	0620	0.3	0.00
2140	12.1	0.01	0200	0.5	0.00	0625	0.3	0.00
2145	10.1	0.00	0205	0.5	0.00	0630	0.3	0.00
2150	8.4	0.00	0210	0.5	0.00	0635	0.3	0.00
2155	7.0	0.00	0215	0.5	0.00	0640	0.3	0.00
2200	6.0	0.00	0220	0.4	0.00	0645	0.3	0.00
2205	5.2	0.00	0225	0.4	0.00	0650	0.3	0.00
2210	4.6	0.00	0230	0.4	0.00	0655	0.3	0.00
2215	4.1	0.00	0235	0.4	0.00	0700	0.3	0.00
2220	3.7	0.00	0240	0.4	0.00	0705	0.3	0.00
2225	3.4	0.00	0245	0.4	0.00	0710	0.3	0.00
2230	3.1	0.00	0250	0.4	0.00	0715	0.3	0.00
2235	2.8	0.00	0255	0.4	0.00	0720	0.3	0.00
2240	2.5	0.00	0300	0.4	0.00	0725	0.3	0.00
2245	2.4	0.00	0305	0.4	0.00	0730	0.3	0.00
2250	2.1	0.00	0310	0.3	0.00	0735	0.3	0.00
2255	2.0	0.00	0315	0.3	0.00	0740	0.3	0.00
2300	1.8	0.00	0320	0.3	0.00	0745	0.3	0.00
2305	1.7	0.00	0325	0.3	0.00	0750	0.3	0.00
2310	1.6	0.00	0330	0.3	0.00	0755	0.3	0.00
2315	1.5	0.00	0335	0.3	0.00	0800	0.3	0.00
2320	1.4	0.00	0340	0.3	0.00	0805	0.3	0.00
2325	1.4	0.00	0345	0.3	0.00	0810	0.3	0.00
2330	1.3	0.00	0350	0.3	0.00	0815	0.3	0.00
2335	1.3	0.00	0355	0.3	0.00	0820	0.3	0.00
2340	1.2	0.00	0400	0.3	0.00	0825	0.3	0.00
2345	1.2	0.00	0405	0.3	0.00	0830	0.3	0.00
2350	1.1	0.00	0410	0.3	0.00	0835	0.2	0.00
2355	1.1	0.00	0415	0.3	0.00	0840	0.2	0.00
August 9, 1987			0420	0.3	0.00	0845	0.2	0.00
0000	1.0	0.00	0425	0.3	0.00	0850	0.2	0.00
0005	0.9	0.00	0430	0.3	0.00	0855	0.2	0.00
0010	0.9	0.00	0435	0.3	0.00	0900	0.2	0.00
0015	0.9	0.00	0440	0.3	0.00			
0020	0.8	0.00	0445	0.3	0.00			

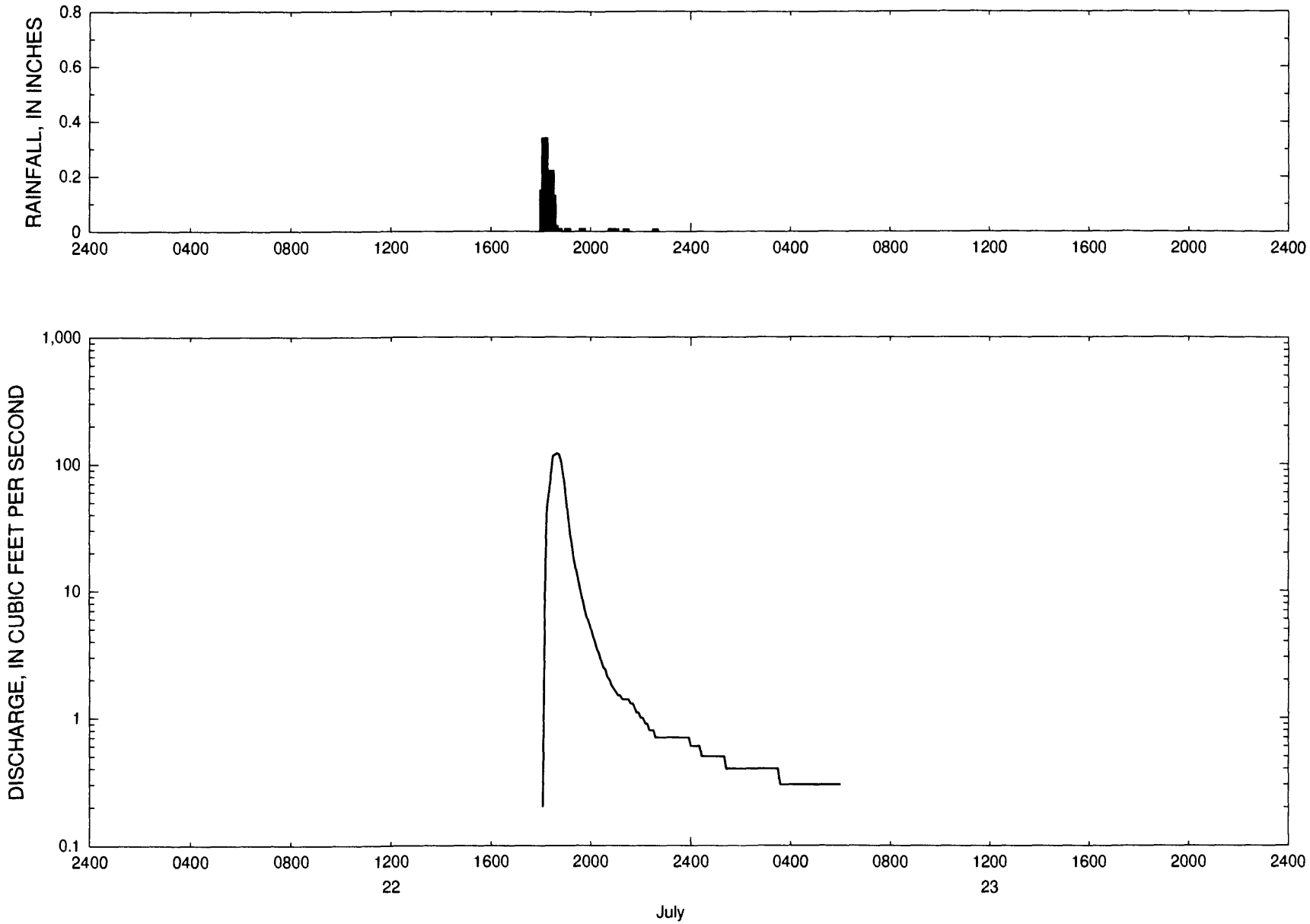


Figure 123.--Streamflow and rainfall at station 02173491, Hess Branch at Orangeburg, July 22-23, 1988.

Table 122.--Streamflow and rainfall at station 02173491, Hess Branch at Orangeburg, July 22-23, 1988

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 22, 1988			2205	1.0	0.00	0205	0.4	0.00
1805	0.2	0.15	2210	0.9	0.00	0210	0.4	0.00
1810	7.0	0.34	2215	0.9	0.00	0215	0.4	0.00
1815	42.8	0.19	2220	0.8	0.00	0220	0.4	0.00
1820	58.4	0.14	2225	0.8	0.00	0225	0.4	0.00
1825	80.6	0.22	2230	0.8	0.00	0230	0.4	0.00
1830	116.0	0.13	2235	0.7	0.01	0235	0.4	0.00
1835	119.0	0.02	2240	0.7	0.00	0240	0.4	0.00
1840	122.0	0.00	2245	0.7	0.00	0245	0.4	0.00
1845	119.0	0.01	2250	0.7	0.00	0250	0.4	0.00
1850	105.0	0.00	2255	0.7	0.00	0255	0.4	0.00
1855	81.9	0.00	2300	0.7	0.00	0300	0.4	0.00
1900	58.4	0.00	2305	0.7	0.00	0305	0.4	0.00
1905	41.8	0.01	2310	0.7	0.00	0310	0.4	0.00
1910	30.4	0.00	2315	0.7	0.00	0315	0.4	0.00
1915	23.2	0.00	2320	0.7	0.00	0320	0.4	0.00
1920	18.1	0.00	2325	0.7	0.00	0325	0.4	0.00
1925	14.8	0.00	2330	0.7	0.00	0330	0.4	0.00
1930	12.3	0.00	2335	0.7	0.00	0335	0.3	0.00
1935	10.3	0.00	2340	0.7	0.00	0340	0.3	0.00
1940	8.7	0.01	2345	0.7	0.00	0345	0.3	0.00
1945	7.3	0.00	2350	0.7	0.00	0350	0.3	0.00
1950	6.3	0.00	2355	0.7	0.00	0355	0.3	0.00
1955	5.7	0.00	July 23, 1988			0400	0.3	0.00
2000	5.1	0.00	0000	0.6	0.00	0405	0.3	0.00
2005	4.4	0.00	0005	0.6	0.00	0410	0.3	0.00
2010	4.0	0.00	0010	0.6	0.00	0415	0.3	0.00
2015	3.5	0.00	0015	0.6	0.00	0420	0.3	0.00
2020	3.2	0.00	0020	0.6	0.00	0425	0.3	0.00
2025	2.8	0.00	0025	0.5	0.00	0430	0.3	0.00
2030	2.5	0.00	0030	0.5	0.00	0435	0.3	0.00
2035	2.4	0.00	0035	0.5	0.00	0440	0.3	0.00
2040	2.1	0.00	0040	0.5	0.00	0445	0.3	0.00
2045	2.0	0.00	0045	0.5	0.00	0450	0.3	0.00
2050	1.8	0.01	0050	0.5	0.00	0455	0.3	0.00
2055	1.7	0.00	0055	0.5	0.00	0500	0.3	0.00
2100	1.6	0.01	0100	0.5	0.00	0505	0.3	0.00
2105	1.5	0.00	0105	0.5	0.00	0510	0.3	0.00
2110	1.5	0.00	0110	0.5	0.00	0515	0.3	0.00
2115	1.4	0.00	0115	0.5	0.00	0520	0.3	0.00
2120	1.4	0.00	0120	0.5	0.00	0525	0.3	0.00
2125	1.4	0.01	0125	0.4	0.00	0530	0.3	0.00
2130	1.4	0.00	0130	0.4	0.00	0535	0.3	0.00
2135	1.3	0.00	0135	0.4	0.00	0540	0.3	0.00
2140	1.3	0.00	0140	0.4	0.00	0545	0.3	0.00
2145	1.2	0.00	0145	0.4	0.00	0550	0.3	0.00
2150	1.1	0.00	0150	0.4	0.00	0555	0.3	0.00
2155	1.1	0.00	0155	0.4	0.00	0600	0.3	0.00
2200	1.0	0.00	0200	0.4	0.00			

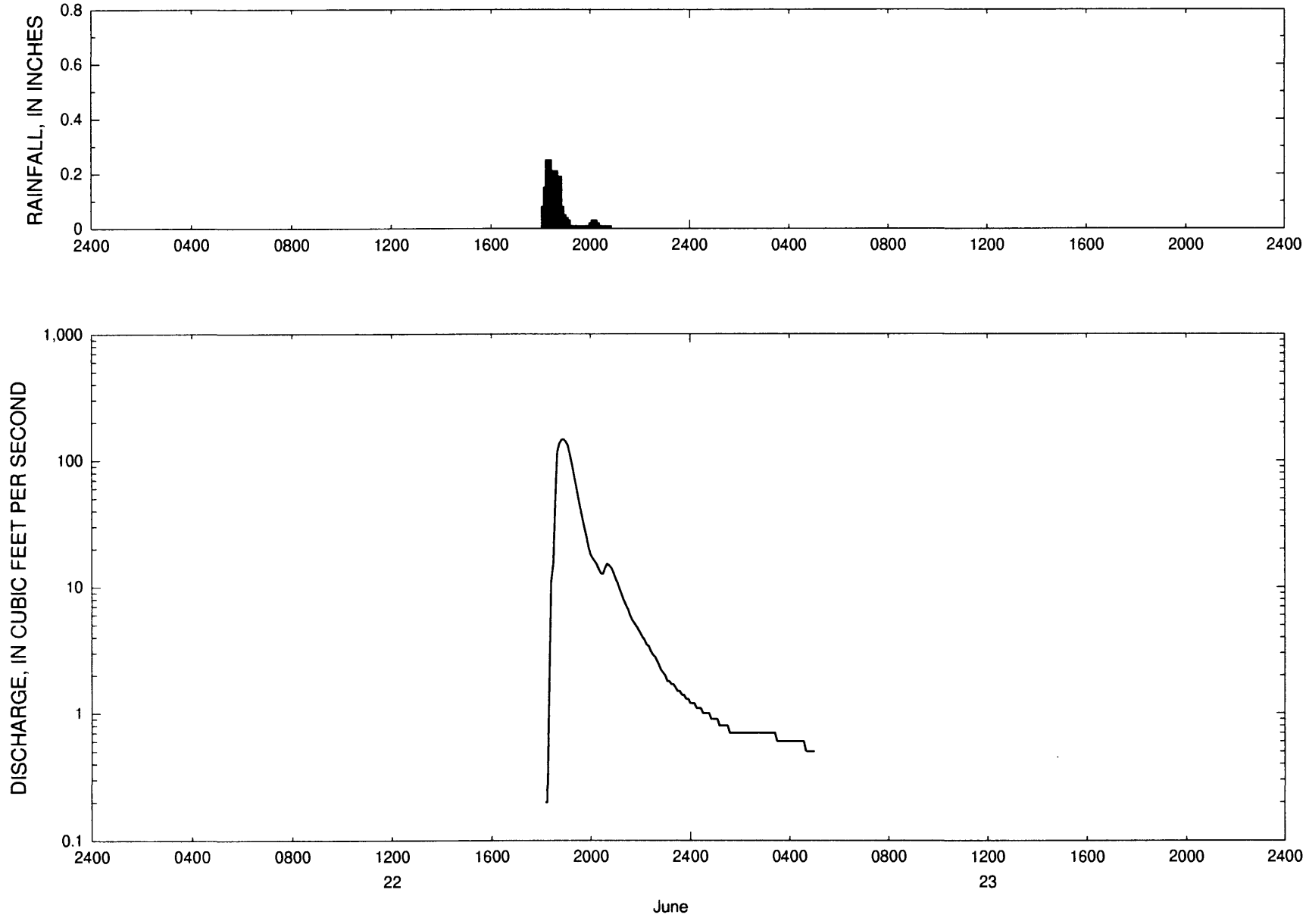


Figure 124.--Streamflow and rainfall at station 02173491, Hess Branch at Orangeburg, June 22-23, 1989.

Table 123.--Streamflow and rainfall at station 02173491, Hess Branch at Orangeburg, June 22-23, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 22, 1989			2150	4.9	0.00	0130	0.8	0.00
1810	0.2	0.08	2155	4.6	0.00	0135	0.7	0.00
1815	0.2	0.15	2200	4.3	0.00	0140	0.7	0.00
1820	1.7	0.25	2205	4.0	0.00	0145	0.7	0.00
1825	11.0	0.12	2210	3.8	0.00	0150	0.7	0.00
1830	15.5	0.10	2215	3.5	0.00	0155	0.7	0.00
1835	51.8	0.21	2220	3.4	0.00	0200	0.7	0.00
1840	117.0	0.12	2225	3.1	0.00	0205	0.7	0.00
1845	136.0	0.19	2230	2.9	0.00	0210	0.7	0.00
1850	145.0	0.08	2235	2.8	0.00	0215	0.7	0.00
1855	148.0	0.05	2240	2.6	0.00	0220	0.7	0.00
1900	142.0	0.04	2245	2.4	0.00	0225	0.7	0.00
1905	133.0	0.03	2250	2.2	0.00	0230	0.7	0.00
1910	114.0	0.01	2255	2.1	0.00	0235	0.7	0.00
1915	95.3	0.01	2300	2.0	0.00	0240	0.7	0.00
1920	78.4	0.01	2305	1.8	0.00	0245	0.7	0.00
1925	64.0	0.00	2310	1.8	0.00	0250	0.7	0.00
1930	51.8	0.01	2315	1.7	0.00	0255	0.7	0.00
1935	42.8	0.00	2320	1.7	0.00	0300	0.7	0.00
1940	35.8	0.00	2325	1.6	0.00	0305	0.7	0.00
1945	29.8	0.01	2330	1.5	0.00	0310	0.7	0.00
1950	25.1	0.00	2335	1.5	0.00	0315	0.7	0.00
1955	20.8	0.01	2340	1.4	0.00	0320	0.7	0.00
2000	18.1	0.01	2345	1.4	0.00	0325	0.7	0.00
2005	16.9	0.02	2350	1.3	0.00	0330	0.6	0.00
2010	16.0	0.03	2355	1.3	0.00	0335	0.6	0.00
2015	15.1	0.02	June 23, 1989			0340	0.6	0.00
2020	13.7	0.00	0000	1.2	0.00	0345	0.6	0.00
2025	12.7	0.01	0005	1.2	0.00	0350	0.6	0.00
2030	12.7	0.01	0010	1.2	0.00	0355	0.6	0.00
2035	14.2	0.00	0015	1.1	0.00	0400	0.6	0.00
2040	15.3	0.00	0020	1.1	0.00	0405	0.6	0.00
2045	14.8	0.01	0025	1.1	0.00	0410	0.6	0.00
2050	14.2	0.00	0030	1.0	0.00	0415	0.6	0.00
2055	13.1	0.00	0035	1.0	0.00	0420	0.6	0.00
2100	11.8	0.00	0040	1.0	0.00	0425	0.6	0.00
2105	10.8	0.00	0045	1.0	0.00	0430	0.6	0.00
2110	9.7	0.00	0050	0.9	0.00	0435	0.6	0.00
2115	8.7	0.00	0055	0.9	0.00	0440	0.5	0.00
2120	7.8	0.00	0100	0.9	0.00	0445	0.5	0.00
2125	7.2	0.00	0105	0.9	0.00	0450	0.5	0.00
2130	6.7	0.00	0110	0.8	0.00	0455	0.5	0.00
2135	6.0	0.00	0115	0.8	0.00	0500	0.5	0.00
2140	5.5	0.00	0120	0.8	0.00			
2145	5.2	0.00	0125	0.8	0.00			

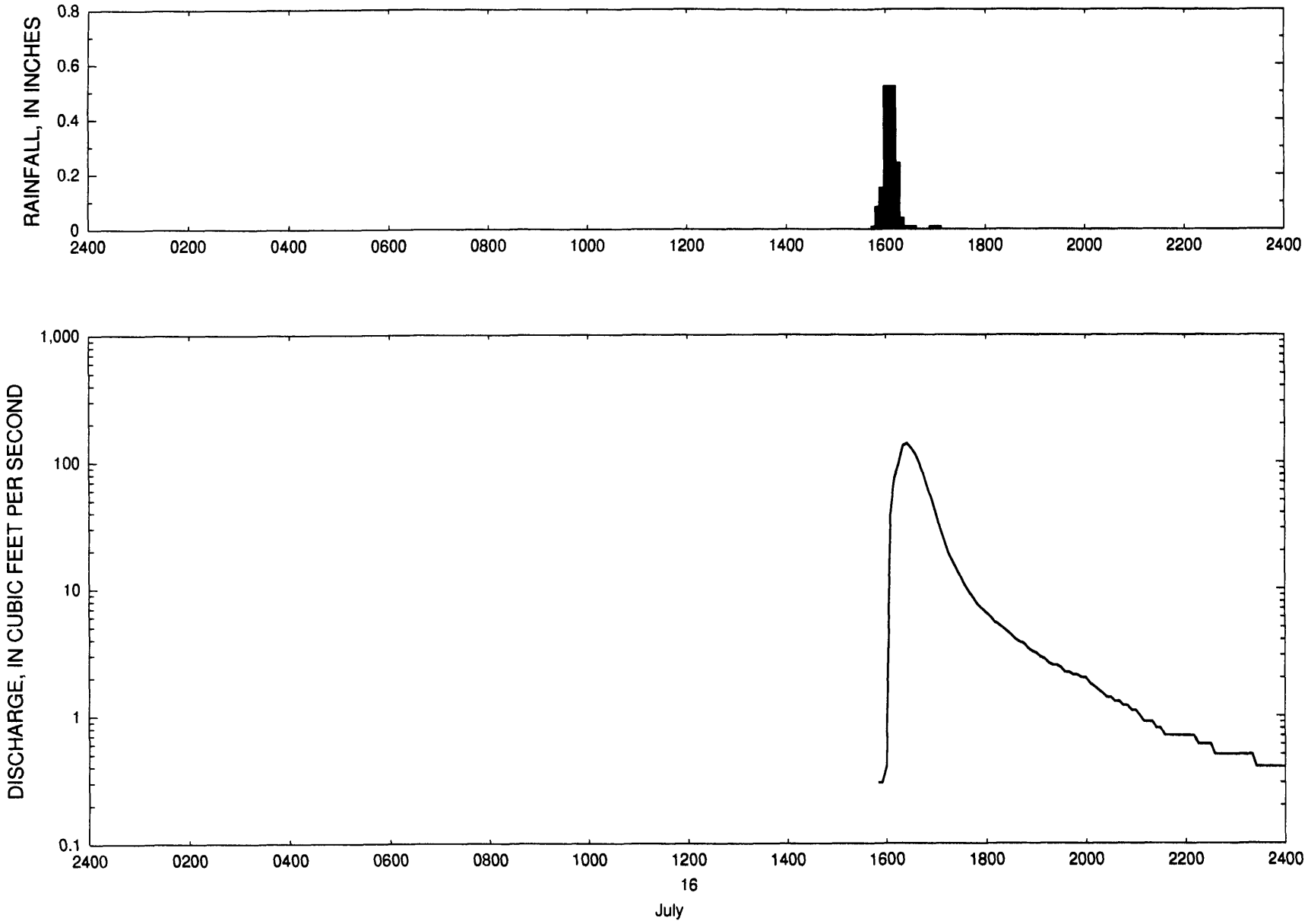


Figure 125.--Streamflow and rainfall at station 02173491, Hess Branch at Orangeburg, July 16, 1989.

Table 124.--Streamflow and rainfall at station 02173491, Hess Branch at Orangeburg, July 16, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 16, 1989			1835	4.0	0.00	2125	0.8	0.00
1550	0.3	0.01	1840	3.8	0.00	2130	0.8	0.00
1555	0.3	0.08	1845	3.7	0.00	2135	0.7	0.00
1600	0.4	0.15	1850	3.4	0.00	2140	0.7	0.00
1605	37.7	0.52	1855	3.2	0.00	2145	0.7	0.00
1610	74.4	0.24	1900	3.1	0.00	2150	0.7	0.00
1615	96.7	0.04	1905	2.9	0.00	2155	0.7	0.00
1620	135.0	0.01	1910	2.8	0.00	2200	0.7	0.00
1625	140.0	0.00	1915	2.6	0.00	2205	0.7	0.00
1630	129.0	0.01	1920	2.5	0.00	2210	0.7	0.00
1635	116.0	0.00	1925	2.5	0.00	2215	0.6	0.00
1640	97.7	0.00	1930	2.4	0.00	2220	0.6	0.00
1645	78.4	0.00	1935	2.2	0.00	2225	0.6	0.00
1650	62.3	0.00	1940	2.2	0.00	2230	0.6	0.00
1655	49.6	0.00	1945	2.1	0.00	2235	0.5	0.00
1700	38.4	0.01	1950	2.1	0.00	2240	0.5	0.00
1705	29.2	0.00	1955	2.0	0.00	2245	0.5	0.00
1710	23.7	0.00	2000	2.0	0.00	2250	0.5	0.00
1715	19.0	0.00	2005	1.8	0.00	2255	0.5	0.00
1720	16.4	0.00	2010	1.7	0.00	2300	0.5	0.00
1725	14.2	0.00	2015	1.6	0.00	2305	0.5	0.00
1730	12.3	0.00	2020	1.5	0.00	2310	0.5	0.00
1735	10.5	0.00	2025	1.4	0.00	2315	0.5	0.00
1740	9.3	0.00	2030	1.4	0.00	2320	0.5	0.00
1745	8.4	0.00	2035	1.3	0.00	2325	0.4	0.00
1750	7.5	0.00	2040	1.3	0.00	2330	0.4	0.00
1755	7.0	0.00	2045	1.2	0.00	2335	0.4	0.00
1800	6.5	0.00	2050	1.2	0.00	2340	0.4	0.00
1805	6.0	0.00	2055	1.1	0.00	2345	0.4	0.00
1810	5.5	0.00	2100	1.1	0.00	2350	0.4	0.00
1815	5.2	0.00	2105	1.0	0.00	2355	0.4	0.00
1820	4.9	0.00	2110	0.9	0.00			
1825	4.6	0.00	2115	0.9	0.00			
1830	4.3	0.00	2120	0.9	0.00			

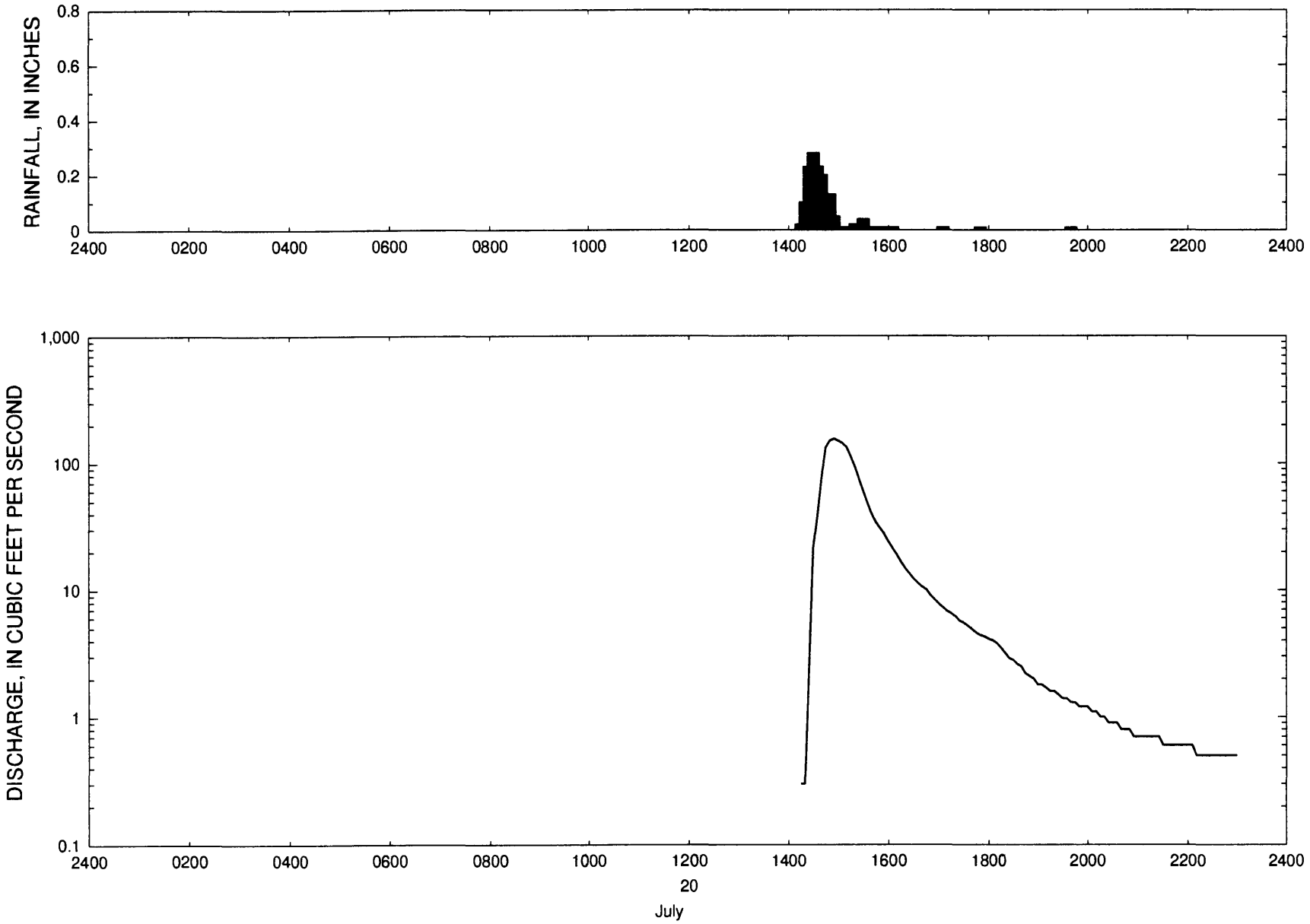


Figure 126.--Streamflow and rainfall at station 02173491, Hoss Branch at Orangeburg, July 20, 1989.

Table 125.--Streamflow and rainfall at station 02173491, Hess Branch at Orangeburg, July 20, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 20, 1989			1710	6.8	0.00	2010	1.1	0.00
1415	0.3	0.02	1715	6.5	0.00	2015	1.0	0.00
1420	0.3	0.10	1720	6.2	0.00	2020	1.0	0.00
1425	2.4	0.23	1725	5.7	0.00	2025	0.9	0.00
1430	21.3	0.28	1730	5.5	0.00	2030	0.9	0.00
1435	39.4	0.23	1735	5.2	0.00	2035	0.9	0.00
1440	78.4	0.20	1740	4.9	0.00	2040	0.8	0.00
1445	133.0	0.06	1745	4.6	0.00	2045	0.8	0.00
1450	150.0	0.13	1750	4.4	0.01	2050	0.8	0.00
1455	156.0	0.05	1755	4.3	0.00	2055	0.7	0.00
1500	150.0	0.00	1800	4.1	0.00	2100	0.7	0.00
1505	144.0	0.00	1805	4.0	0.00	2105	0.7	0.00
1510	134.0	0.01	1810	3.8	0.00	2110	0.7	0.00
1515	113.0	0.00	1815	3.5	0.00	2115	0.7	0.00
1520	93.9	0.02	1820	3.2	0.00	2120	0.7	0.00
1525	74.0	0.02	1825	2.9	0.00	2125	0.7	0.00
1530	59.5	0.04	1830	2.8	0.00	2130	0.6	0.00
1535	47.8	0.01	1835	2.6	0.00	2135	0.6	0.00
1540	39.4	0.00	1840	2.5	0.00	2140	0.6	0.00
1545	33.8	0.01	1845	2.2	0.00	2145	0.6	0.00
1550	30.4	0.00	1850	2.1	0.00	2150	0.6	0.00
1555	27.4	0.01	1855	2.0	0.00	2155	0.6	0.00
1600	24.0	0.00	1900	1.8	0.00	2200	0.6	0.00
1605	21.3	0.01	1905	1.8	0.00	2205	0.6	0.00
1610	19.0	0.00	1910	1.7	0.00	2210	0.5	0.00
1615	16.6	0.00	1915	1.6	0.00	2215	0.5	0.00
1620	14.8	0.00	1920	1.6	0.00	2220	0.5	0.00
1625	13.5	0.00	1925	1.5	0.00	2225	0.5	0.00
1630	12.3	0.00	1930	1.4	0.00	2230	0.5	0.00
1635	11.4	0.00	1935	1.4	0.00	2235	0.5	0.00
1640	10.6	0.00	1940	1.3	0.01	2240	0.5	0.00
1645	10.1	0.00	1945	1.3	0.00	2245	0.5	0.00
1650	9.1	0.00	1950	1.2	0.00	2250	0.5	0.00
1655	8.4	0.00	1955	1.2	0.00	2255	0.5	0.00
1700	7.8	0.00	2000	1.2	0.00	2300	0.5	0.00
1705	7.3	0.01	2005	1.1	0.00			

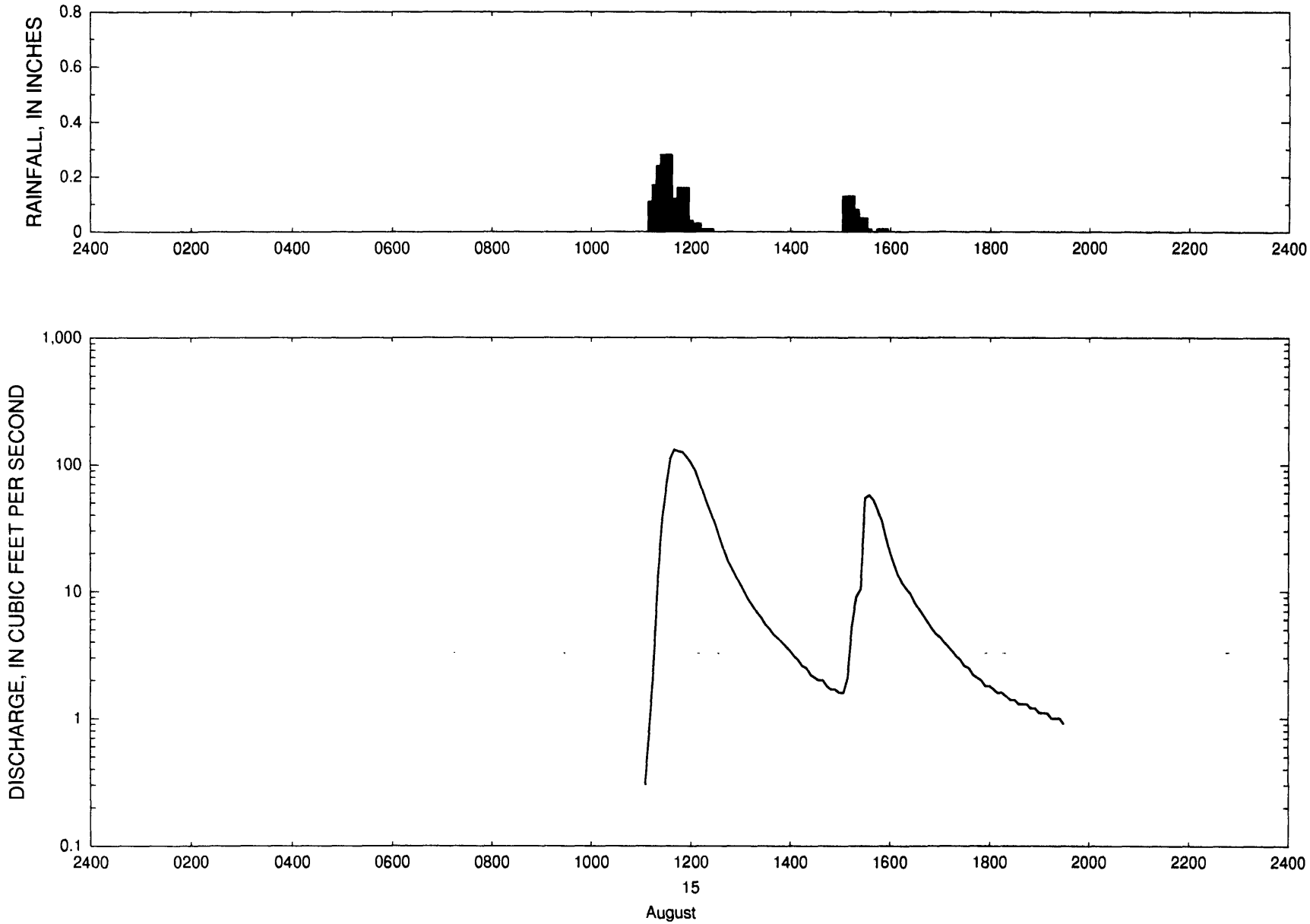


Figure 127.--Streamflow and rainfall at station 02173491, Hess Branch at Orangeburg, August 15, 1989.

Table 126.--Streamflow and rainfall at station 02173491, Hess Branch at Orangeburg, August 15, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 15, 1989			1355	3.7	0.00	1650	5.2	0.00
1105	0.3	0.00	1400	3.4	0.00	1655	4.7	0.00
1110	0.8	0.00	1405	3.1	0.00	1700	4.4	0.00
1115	2.4	0.11	1410	2.9	0.00	1705	4.0	0.00
1120	11.6	0.17	1415	2.6	0.00	1710	3.7	0.00
1125	34.2	0.24	1420	2.5	0.00	1715	3.4	0.00
1130	63.1	0.28	1425	2.2	0.00	1720	3.1	0.00
1135	110.0	0.08	1430	2.1	0.00	1725	2.9	0.00
1140	131.0	0.12	1435	2.0	0.00	1730	2.6	0.00
1145	128.0	0.02	1440	2.0	0.00	1735	2.5	0.00
1150	126.0	0.16	1445	1.8	0.00	1740	2.2	0.00
1155	116.0	0.04	1450	1.7	0.00	1745	2.1	0.00
1200	103.0	0.00	1455	1.7	0.00	1750	2.0	0.00
1205	91.1	0.03	1500	1.6	0.00	1755	1.8	0.00
1210	74.0	0.01	1505	1.6	0.00	1800	1.8	0.00
1215	60.3	0.00	1510	2.1	0.13	1805	1.7	0.00
1220	48.9	0.01	1515	5.2	0.08	1810	1.6	0.00
1225	40.4	0.00	1520	9.1	0.05	1815	1.6	0.00
1230	33.2	0.00	1525	10.5	0.05	1820	1.5	0.00
1235	26.6	0.00	1530	54.5	0.01	1825	1.4	0.00
1240	21.3	0.00	1535	57.6	0.00	1830	1.4	0.00
1245	17.3	0.00	1540	53.0	0.00	1835	1.3	0.00
1250	15.1	0.00	1545	44.2	0.00	1840	1.3	0.00
1255	13.1	0.00	1550	36.1	0.01	1845	1.3	0.00
1300	11.4	0.00	1555	27.1	0.00	1850	1.2	0.00
1305	9.9	0.00	1600	20.3	0.00	1855	1.2	0.00
1310	8.6	0.00	1605	16.4	0.00	1900	1.1	0.00
1315	7.7	0.00	1610	13.5	0.00	1905	1.1	0.00
1320	6.8	0.00	1615	11.6	0.00	1910	1.1	0.00
1325	6.2	0.00	1620	10.5	0.00	1915	1.0	0.00
1330	5.5	0.00	1625	9.5	0.00	1920	1.0	0.00
1335	5.1	0.00	1630	8.2	0.00	1925	1.0	0.00
1340	4.6	0.00	1635	7.3	0.00	1930	0.9	0.00
1345	4.3	0.00	1640	6.5	0.00			
1350	4.0	0.00	1645	5.8	0.00			

Station 02173495, Sunnyside Canal at Orangeburg, S.C.

Location.--Lat 33°29'31", long 80°52'33", Orangeburg County, Hydrologic Unit 03050203, at bridge on Riverside Street (State secondary road 125), 0.7 mi west of Orangeburg City Hall, and 0.2 mi upstream from the mouth at the North Fork Edisto River.

Period of record.-- November 14, 1985 to October 19, 1990.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to the upstream side of the bridge over the concrete-lined channel.

Rating.--The stage-streamflow relation is defined by current meter measurements up to approximately 600 ft^3/s. The stage-streamflow relation was extended to 1,175 ft^3/s graphically on logarithmic paper.

Rain gage and location.--Station 332935080521600, lat 33°29'35", long 80°52'16". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval attached to the left downstream wingwall at a culvert on Waring Street (State secondary road 248), 0.5 mi northwest of Orangeburg City Hall, and about 0.4 mi upstream from the mouth at the North Fork Edisto River.

Selected basin characteristics.--

Drainage area -- 1.07 mi^2
Physiographic province -- Inner Coastal Plain
Channel slope -- 67.4 ft/mi
Channel length -- 1.44 mi
Total impervious area -- 37.0 percent
Basin development factor -- 8
2-year, 2-hour rainfall amount -- 2.20 in.

Flood frequency data:		
	UQ_2	554 ft^3/s
	UQ_5	852 ft^3/s
	UQ_{10}	1,040 ft^3/s
	UQ_{25}	1,260 ft^3/s
	UQ_{50}	1,410 ft^3/s
	UQ_{100}	1,550 ft^3/s
	UQ_{500}	1,870 ft^3/s

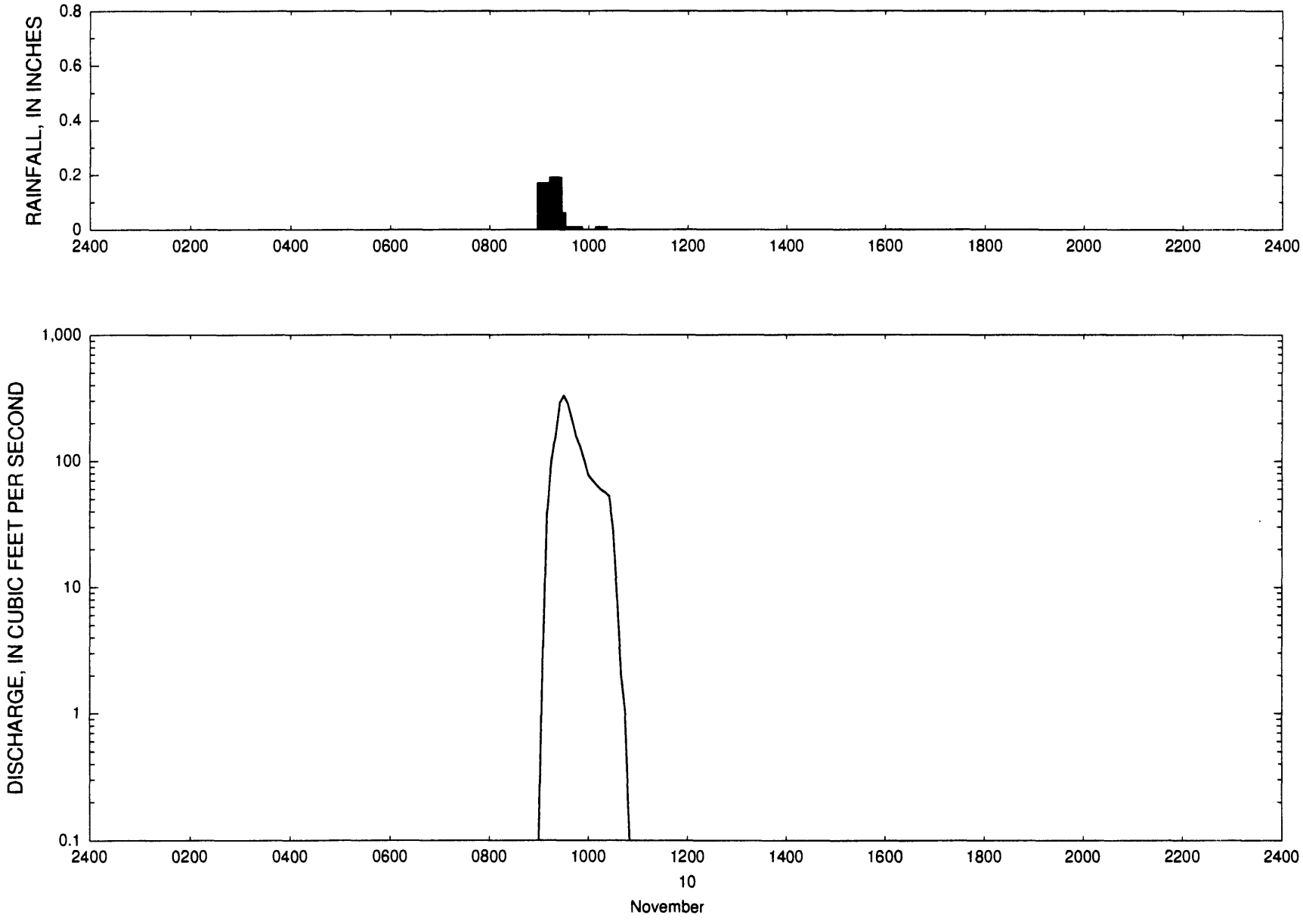


Figure 128.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, November 10, 1987.

Table 127.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, November 10, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
November 10, 1987			0940	212.0	0.00	1025	52.6	0.00
0900	0.1	0.00	0945	155.0	0.01	1030	28.8	0.00
0905	3.0	0.17	0950	132.0	0.00	1035	8.2	0.00
0910	38.8	0.13	0955	102.0	0.00	1040	2.0	0.00
0915	99.3	0.16	1000	76.8	0.00	1045	1.0	0.00
0920	163.0	0.19	1005	69.8	0.00	1050	0.1	0.00
0925	290.0	0.06	1010	63.8	0.00	1055	0.1	0.00
0930	331.0	0.01	1015	59.4	0.01	1100	0.1	0.00
0935	285.0	0.00	1020	56.3	0.00			

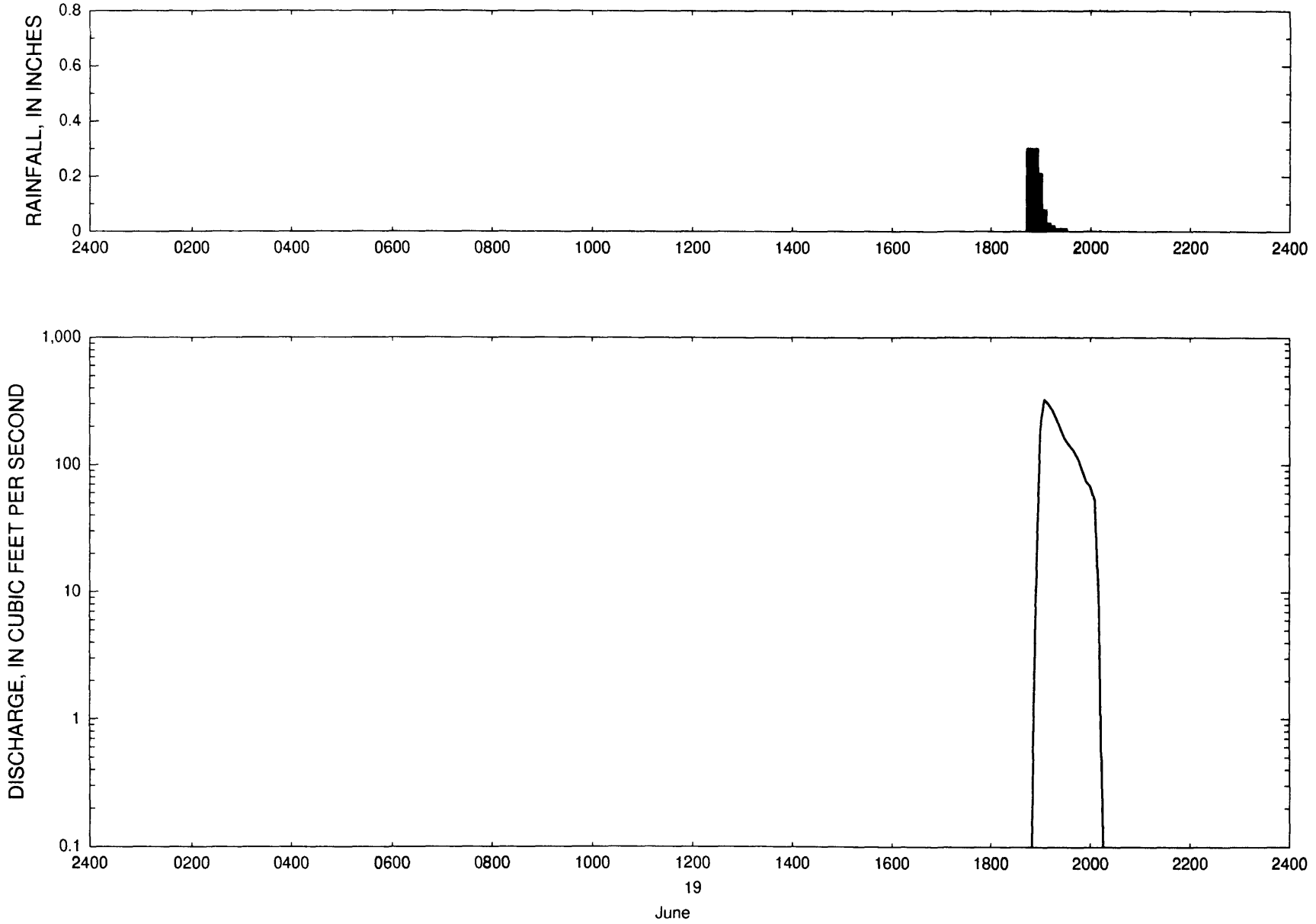


Figure 129.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, June 19, 1988.

Table 128.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, June 19, 1988

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 19, 1988			1935	143.0	0.00	2025	0.1	0.00
1850	0.1	0.30	1940	131.0	0.00	2030	0.1	0.00
1855	10.0	0.21	1945	114.0	0.00	2035	0.1	0.00
1900	191.0	0.08	1950	91.4	0.00	2040	0.1	0.00
1905	328.0	0.03	1955	74.3	0.00	2045	0.1	0.00
1910	299.0	0.02	2000	68.1	0.00	2050	0.1	0.00
1915	267.0	0.01	2005	52.6	0.00	2055	0.1	0.00
1920	226.0	0.00	2010	8.2	0.00	2100	0.1	0.00
1925	187.0	0.01	2015	0.1	0.00			
1930	159.0	0.00	2020	0.1	0.00			

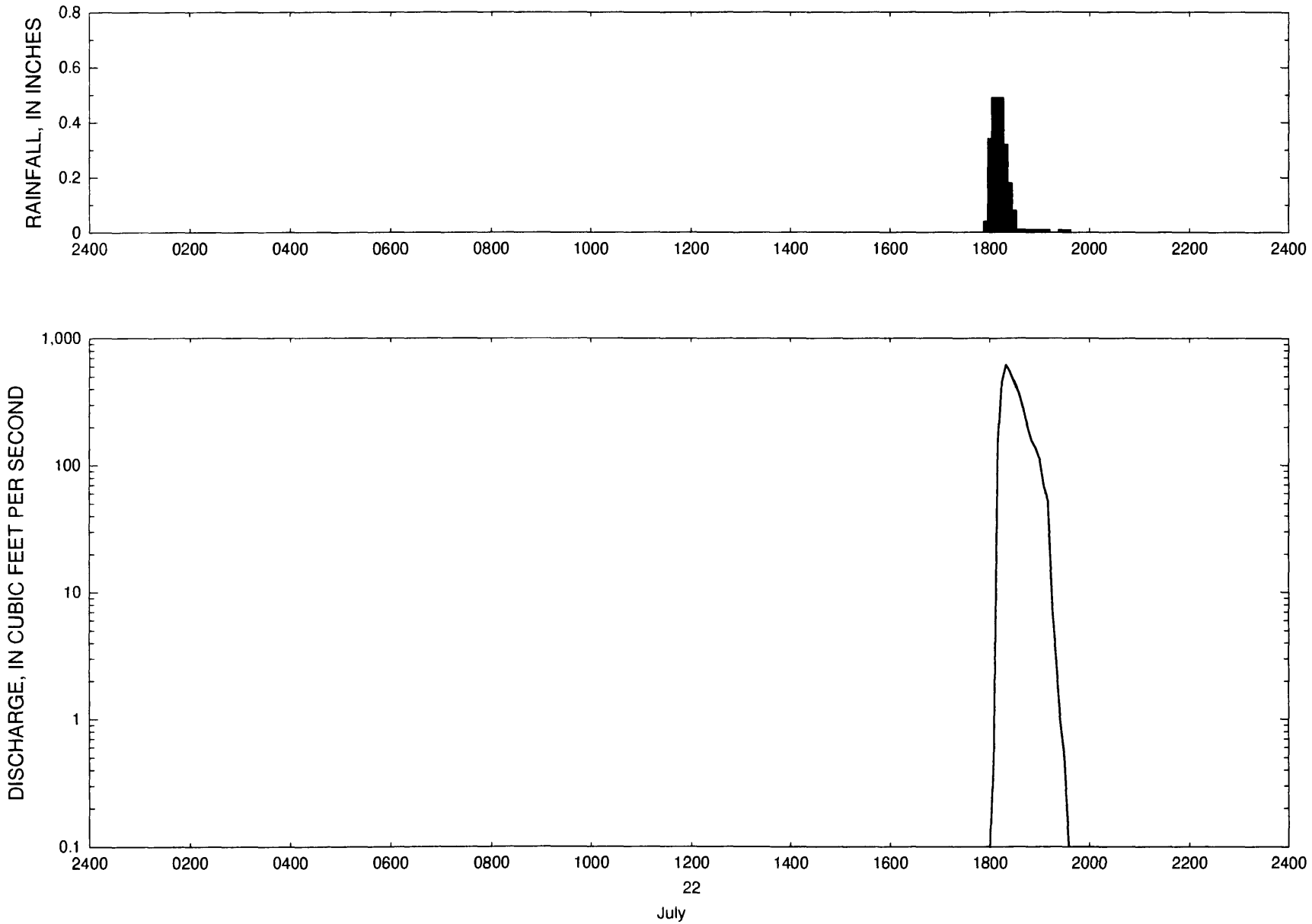


Figure 130.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, July 22, 1988.

Table 129.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, July 22, 1988

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 22, 1988			1840	280.0	0.00	1925	1.0	0.00
1800	0.1	0.04	1845	206.0	0.00	1930	0.5	0.01
1805	0.5	0.34	1850	157.0	0.01	1935	0.1	0.00
1810	148.0	0.49	1855	136.0	0.00	1940	0.1	0.00
1815	458.0	0.32	1900	110.0	0.00	1945	0.1	0.00
1820	618.0	0.18	1905	68.1	0.01	1950	0.1	0.00
1825	545.0	0.08	1910	52.6	0.00	1955	0.1	0.00
1830	446.0	0.01	1915	8.2	0.00	2000	0.1	0.00
1835	372.0	0.01	1920	3.0	0.00			

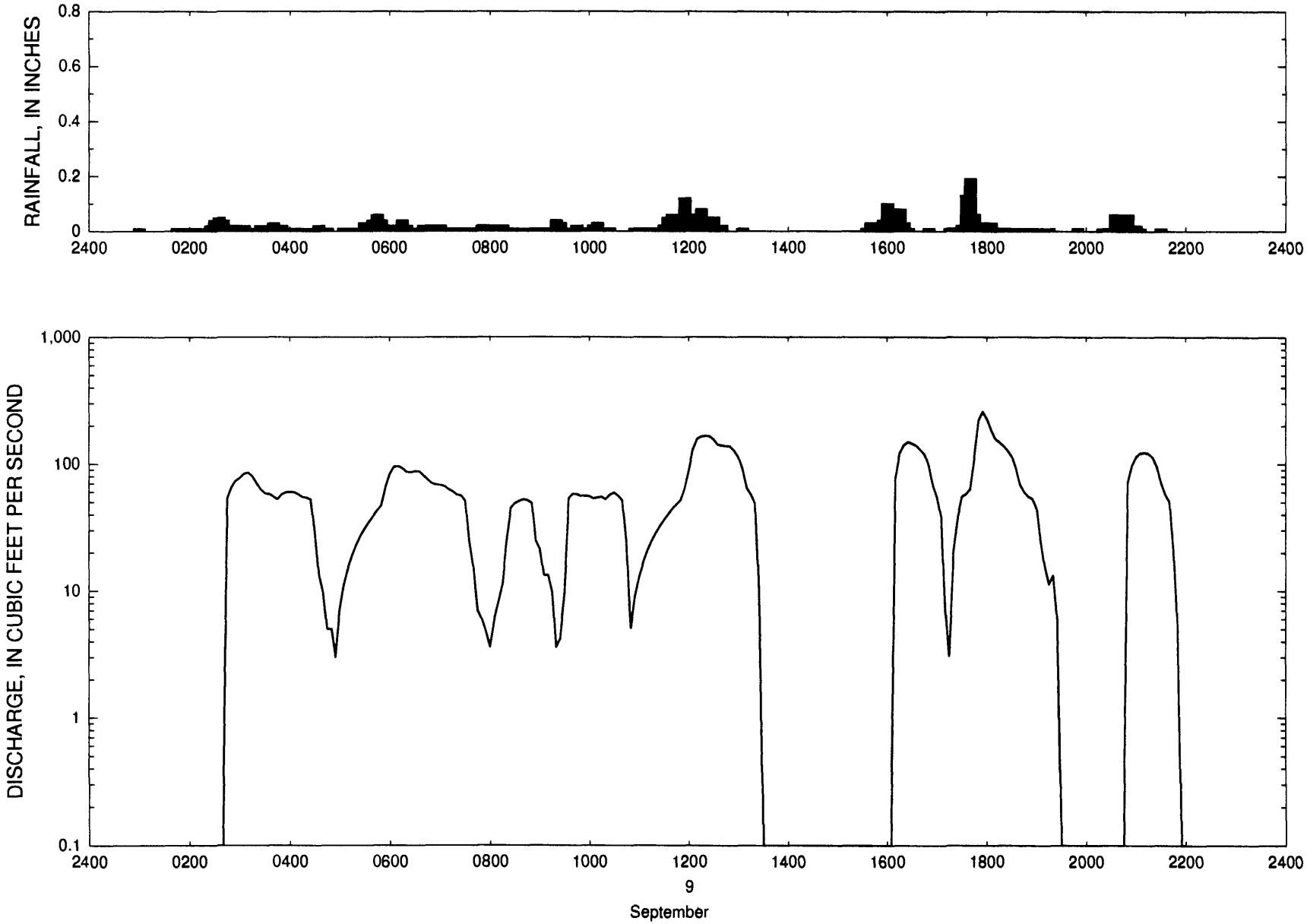


Figure 131.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, September 9, 1988.

Table 130.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, September 9, 1988

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 9, 1988			0620	86.5	0.02	1145	47.9	0.05
0100	0.1	0.01	0625	86.1	0.01	1150	51.8	0.03
0105	0.1	0.00	0630	87.7	0.01	1155	63.8	0.12
0110	0.1	0.00	0635	87.3	0.01	1200	87.7	0.06
0115	0.1	0.00	0640	81.3	0.02	1205	130.0	0.03
0120	0.1	0.00	0645	75.5	0.02	1210	158.0	0.06
0125	0.1	0.00	0650	70.6	0.02	1215	165.0	0.08
0130	0.1	0.00	0655	68.9	0.00	1220	167.0	0.02
0135	0.1	0.00	0700	68.1	0.02	1225	166.0	0.01
0140	0.1	0.00	0705	66.8	0.01	1230	157.0	0.05
0145	0.1	0.01	0710	62.9	0.01	1235	143.0	0.02
0150	0.1	0.00	0715	60.7	0.00	1240	140.0	0.02
0155	0.1	0.01	0720	57.2	0.01	1245	139.0	0.00
0200	0.1	0.00	0725	56.3	0.00	1250	138.0	0.00
0205	0.1	0.00	0730	51.0	0.01	1255	128.0	0.00
0210	0.1	0.01	0735	24.8	0.00	1300	114.0	0.00
0215	0.1	0.01	0740	15.6	0.01	1305	90.6	0.01
0220	0.1	0.01	0745	7.0	0.01	1310	64.7	0.00
0225	0.1	0.02	0750	5.9	0.02	1315	57.7	0.00
0230	0.1	0.04	0755	4.7	0.01	1320	48.9	0.00
0235	0.1	0.05	0800	3.6	0.02	1325	10.0	0.00
0240	0.1	0.04	0805	5.9	0.01	1330	0.1	0.00
0245	53.4	0.02	0810	8.2	0.01	1335	0.1	0.00
0250	65.6	0.02	0815	11.4	0.02	1340	0.1	0.00
0255	73.9	0.02	0820	24.8	0.01	1345	0.1	0.00
0300	78.0	0.01	0825	45.0	0.01	1350	0.1	0.00
0305	84.1	0.02	0830	48.9	0.01	1355	0.1	0.00
0310	85.7	0.01	0835	51.0	0.00	1400	0.1	0.00
0315	80.4	0.01	0840	52.6	0.01	1405	0.1	0.00
0320	71.4	0.01	0845	51.8	0.01	1410	0.1	0.00
0325	62.9	0.02	0850	48.9	0.01	1415	0.1	0.00
0330	59.0	0.01	0855	24.8	0.01	1420	0.1	0.00
0335	58.1	0.02	0900	21.3	0.01	1425	0.1	0.00
0340	55.4	0.03	0905	13.3	0.01	1430	0.1	0.00
0345	52.6	0.01	0910	13.3	0.00	1435	0.1	0.00
0350	57.7	0.02	0915	9.7	0.01	1440	0.1	0.00
0355	59.9	0.01	0920	3.6	0.04	1445	0.1	0.00
0400	60.3	0.01	0925	4.2	0.03	1450	0.1	0.00
0405	59.9	0.01	0930	9.7	0.01	1455	0.1	0.00
0410	57.7	0.01	0935	53.4	0.00	1500	0.1	0.00
0415	55.0	0.00	0940	58.1	0.01	1505	0.1	0.00
0420	54.2	0.01	0945	57.7	0.02	1510	0.1	0.00
0425	52.6	0.01	0950	55.9	0.01	1515	0.1	0.00
0430	28.8	0.00	0955	55.9	0.01	1520	0.1	0.00
0435	13.3	0.02	1000	55.4	0.00	1525	0.1	0.00
0440	9.7	0.00	1005	53.4	0.02	1530	0.1	0.00
0445	5.0	0.01	1010	54.2	0.03	1535	0.1	0.01
0450	5.0	0.00	1015	55.0	0.00	1540	0.1	0.03
0455	3.0	0.00	1020	52.6	0.00	1545	0.1	0.01
0500	7.0	0.00	1025	57.2	0.01	1550	0.1	0.01
0505	11.0	0.01	1030	59.4	0.00	1555	0.1	0.04
0510	15.0	0.00	1035	56.3	0.00	1600	0.1	0.10
0515	19.0	0.01	1040	51.8	0.00	1605	0.1	0.06
0520	23.0	0.01	1045	24.8	0.00	1610	77.2	0.05
0525	27.0	0.01	1050	5.0	0.00	1615	121.0	0.08
0530	31.0	0.03	1055	8.9	0.01	1620	141.0	0.03
0535	35.0	0.03	1100	12.8	0.01	1625	150.0	0.01
0540	38.9	0.04	1105	16.7	0.00	1630	146.0	0.00
0545	42.9	0.06	1110	20.6	0.00	1635	140.0	0.00
0550	46.9	0.04	1115	24.5	0.01	1640	130.0	0.00
0555	66.4	0.02	1120	28.4	0.00	1645	120.0	0.00
0600	83.3	0.01	1125	32.3	0.00	1650	97.4	0.01
0605	95.4	0.01	1130	36.2	0.02	1655	68.1	0.00
0610	96.2	0.02	1135	40.1	0.05	1700	55.4	0.00
0615	92.6	0.04	1140	44.0	0.06	1705	38.8	0.00

Table 130.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, September 9, 1988--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1710	7.0	0.00	1850	55.4	0.01	2030	0.1	0.00
1715	3.0	0.01	1855	53.4	0.01	2035	0.1	0.06
1720	20.5	0.01	1900	45.0	0.01	2040	0.1	0.06
1725	38.0	0.01	1905	24.8	0.00	2045	0.1	0.05
1730	55.4	0.02	1910	15.6	0.00	2050	71.8	0.06
1735	58.1	0.13	1915	11.4	0.01	2055	97.8	0.02
1740	63.4	0.19	1920	13.3	0.00	2100	114.0	0.02
1745	110.0	0.06	1925	5.9	0.00	2105	122.0	0.01
1750	221.0	0.03	1930	0.1	0.00	2110	124.0	0.00
1755	259.0	0.01	1935	0.1	0.00	2115	122.0	0.00
1800	228.0	0.03	1940	0.1	0.00	2120	114.0	0.00
1805	187.0	0.03	1945	0.1	0.00	2125	95.4	0.00
1810	160.0	0.00	1950	0.1	0.01	2130	71.4	0.01
1815	149.0	0.01	1955	0.1	0.00	2135	57.7	0.00
1820	140.0	0.00	2000	0.1	0.00	2140	51.0	0.00
1825	129.0	0.00	2005	0.1	0.00	2145	21.3	0.00
1830	115.0	0.01	2010	0.1	0.00	2150	5.0	0.00
1835	92.6	0.00	2015	0.1	0.00	2155	0.1	0.00
1840	68.9	0.00	2020	0.1	0.01	2200	0.1	0.00
1845	60.3	0.01	2025	0.1	0.01			

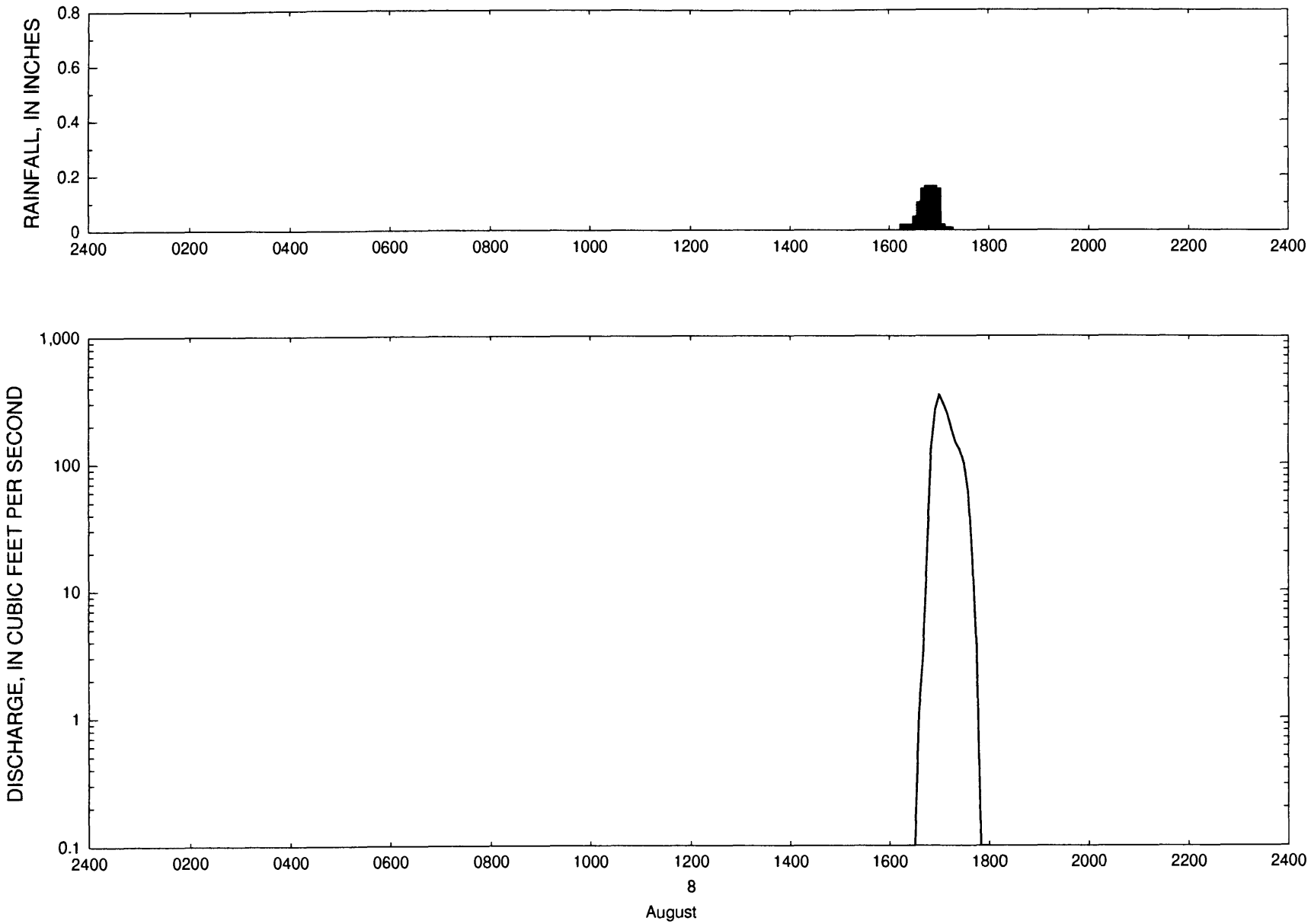


Figure 132.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, August 8, 1990.

Table 131.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, August 8, 1990

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 8, 1990			1655	262.0	0.15	1735	59.4	0.00
1620	0.1	0.02	1700	346.0	0.02	1740	18.2	0.00
1625	0.1	0.02	1705	293.0	0.01	1745	3.6	0.00
1630	0.1	0.01	1710	242.0	0.01	1750	0.1	0.00
1635	1.1	0.05	1715	185.0	0.00	1755	0.1	0.00
1640	3.1	0.10	1720	145.0	0.00	1800	0.1	0.00
1645	18.2	0.15	1725	128.0	0.00			
1650	127.0	0.16	1730	99.3	0.00			

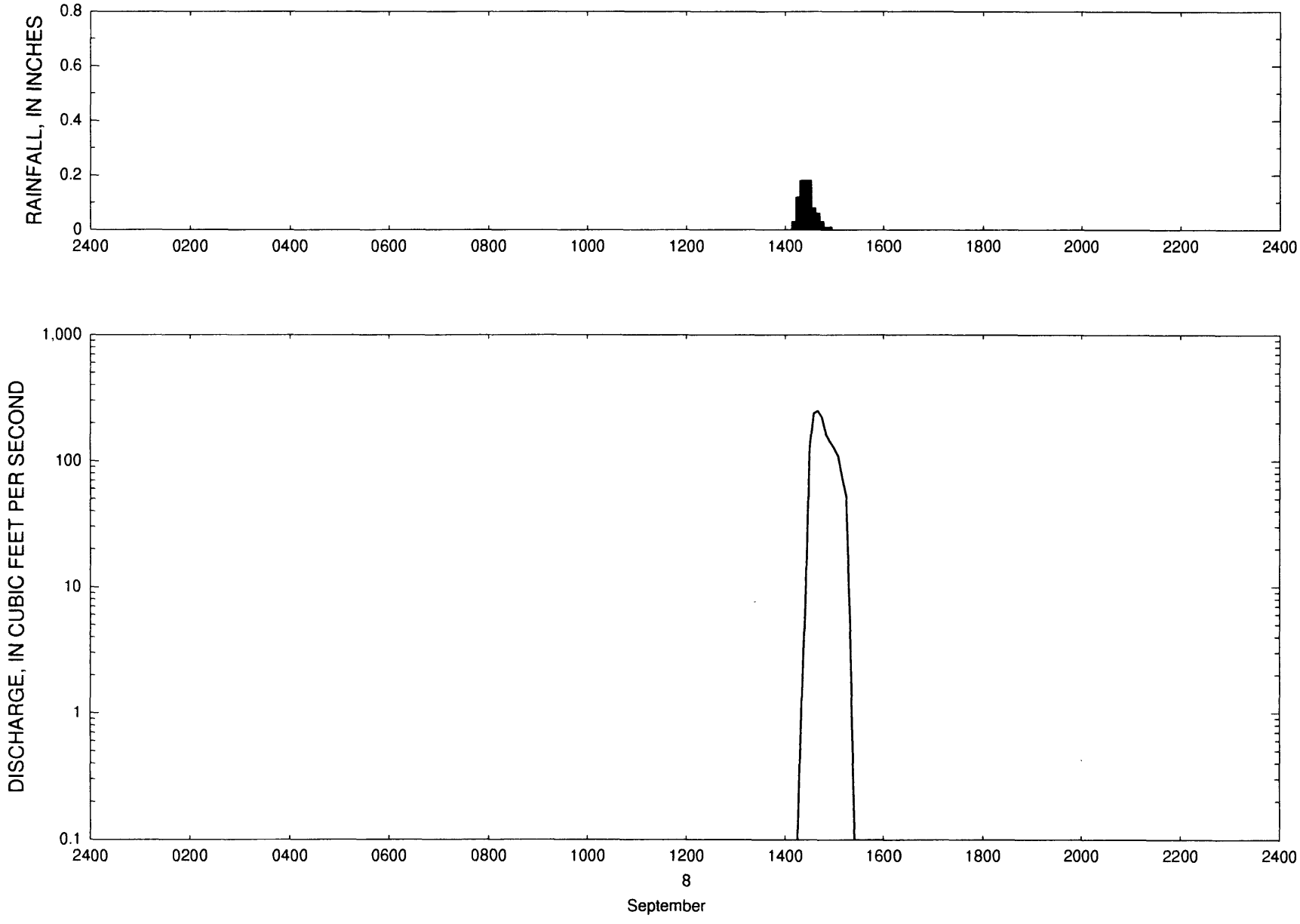


Figure 133.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, September 8, 1990.

Table 132.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, September 8, 1990

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
September 8, 1990			1450	165.0	0.01	1530	0.1	0.00
1415	0.1	0.03	1455	143.0	0.00	1535	0.1	0.00
1420	1.0	0.12	1500	128.0	0.00	1540	0.1	0.00
1425	8.0	0.18	1505	110.0	0.00	1545	0.1	0.00
1430	127.0	0.08	1510	73.5	0.00	1550	0.1	0.00
1435	239.0	0.06	1515	51.0	0.00	1555	0.1	0.00
1440	249.0	0.03	1520	3.6	0.00	1600	0.1	0.00
1445	223.0	0.01	1525	0.1	0.00			

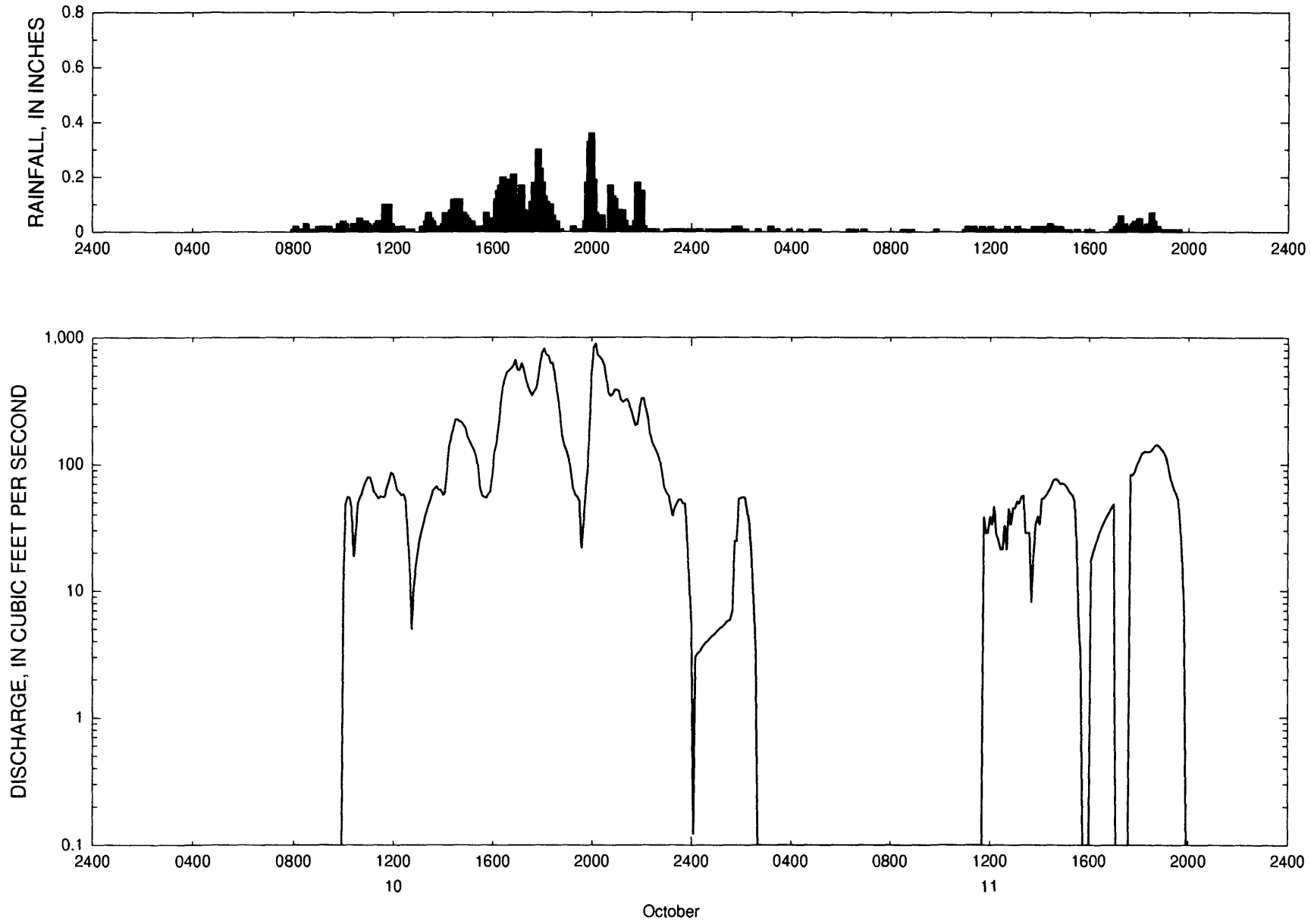


Figure 134.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, October 10-11, 1990.

Table 133.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, October 10-11, 1990

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
October 10, 1990			1320	42.0	0.04	1845	214.0	0.01
0800	0.1	0.01	1325	47.3	0.07	1850	158.0	0.00
0805	0.1	0.02	1330	52.6	0.05	1855	139.0	0.00
0810	0.1	0.01	1335	61.6	0.04	1900	126.0	0.00
0815	0.1	0.01	1340	64.7	0.02	1905	110.0	0.00
0820	0.1	0.01	1345	67.7	0.02	1910	84.9	0.00
0825	0.1	0.01	1350	62.9	0.01	1915	64.7	0.02
0830	0.1	0.03	1355	63.4	0.00	1920	57.2	0.00
0835	0.1	0.01	1400	57.2	0.03	1925	55.4	0.00
0840	0.1	0.01	1405	60.7	0.07	1930	51.0	0.01
0845	0.1	0.01	1410	92.2	0.07	1935	21.3	0.00
0850	0.1	0.01	1415	141.0	0.04	1940	33.5	0.01
0855	0.1	0.01	1420	164.0	0.08	1945	58.1	0.04
0900	0.1	0.02	1425	189.0	0.12	1950	93.4	0.18
0905	0.1	0.01	1430	226.0	0.12	1955	202.0	0.33
0910	0.1	0.02	1435	226.0	0.10	2000	540.0	0.36
0915	0.1	0.01	1440	219.0	0.12	2005	830.0	0.19
0920	0.1	0.01	1445	216.0	0.05	2010	898.0	0.07
0925	0.1	0.02	1450	206.0	0.07	2015	726.0	0.06
0930	0.1	0.01	1455	193.0	0.06	2020	700.0	0.04
0935	0.1	0.01	1500	165.0	0.05	2025	663.0	0.06
0940	0.1	0.01	1505	151.0	0.02	2030	599.0	0.01
0945	0.1	0.01	1510	140.0	0.04	2035	478.0	0.00
0950	0.1	0.03	1515	130.0	0.02	2040	369.0	0.01
0955	0.1	0.03	1520	118.0	0.01	2045	346.0	0.17
1000	11.4	0.04	1525	97.0	0.00	2050	356.0	0.13
1005	48.9	0.03	1530	67.3	0.02	2055	389.0	0.12
1010	55.4	0.00	1535	56.3	0.01	2100	386.0	0.08
1015	54.2	0.01	1540	55.0	0.01	2105	379.0	0.02
1020	45.0	0.01	1545	54.2	0.07	2110	325.0	0.05
1025	18.2	0.03	1550	59.0	0.05	2115	310.0	0.08
1030	28.8	0.02	1555	61.6	0.05	2120	319.0	0.04
1035	48.9	0.02	1600	82.9	0.05	2125	328.0	0.01
1040	55.0	0.05	1605	124.0	0.04	2130	307.0	0.02
1045	59.0	0.04	1610	144.0	0.12	2135	267.0	0.02
1050	66.8	0.03	1615	195.0	0.15	2140	232.0	0.00
1055	74.3	0.04	1620	296.0	0.17	2145	204.0	0.04
1100	80.0	0.03	1625	410.0	0.20	2150	208.0	0.18
1105	78.8	0.02	1630	470.0	0.16	2155	277.0	0.13
1110	69.8	0.01	1635	536.0	0.19	2200	334.0	0.15
1115	60.3	0.01	1640	549.0	0.16	2205	331.0	0.02
1120	56.8	0.03	1645	572.0	0.12	2210	274.0	0.00
1125	53.4	0.04	1650	599.0	0.21	2215	230.0	0.00
1130	55.9	0.02	1655	668.0	0.10	2220	176.0	0.01
1135	55.0	0.01	1700	558.0	0.13	2225	150.0	0.00
1140	55.4	0.10	1705	554.0	0.13	2230	138.0	0.00
1145	65.1	0.04	1710	628.0	0.17	2235	128.0	0.01
1150	74.7	0.10	1715	567.0	0.08	2240	117.0	0.00
1155	86.5	0.03	1720	486.0	0.01	2245	102.0	0.00
1200	84.1	0.02	1725	417.0	0.00	2250	82.9	0.00
1205	73.9	0.02	1730	379.0	0.07	2255	66.0	0.00
1210	63.4	0.02	1735	350.0	0.11	2300	59.4	0.01
1215	60.3	0.02	1740	375.0	0.18	2305	56.3	0.00
1220	56.8	0.02	1745	399.0	0.10	2310	46.9	0.01
1225	58.1	0.01	1750	470.0	0.30	2315	38.8	0.01
1230	51.0	0.01	1755	648.0	0.23	2320	45.0	0.01
1235	28.8	0.00	1800	760.0	0.18	2325	48.9	0.01
1240	15.6	0.00	1805	818.0	0.13	2330	52.6	0.01
1245	5.0	0.01	1810	732.0	0.11	2335	52.6	0.00
1250	10.3	0.00	1815	721.0	0.01	2340	48.9	0.01
1255	15.6	0.00	1820	628.0	0.10	2345	48.9	0.00
1300	20.9	0.00	1825	633.0	0.06	2350	24.8	0.00
1305	26.2	0.00	1830	523.0	0.01	2355	11.4	0.01
1310	31.4	0.02	1835	382.0	0.04	October 11, 1990		
1315	36.7	0.01	1840	310.0	0.00	0000	5.9	0.00

Table 133.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, October 10-11, 1990--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
0005	0.1	0.01	0530	0.1	0.00	1055	0.1	0.00
0010	3.0	0.00	0535	0.1	0.00	1100	0.1	0.01
0015	3.2	0.00	0540	0.1	0.00	1105	0.1	0.02
0020	3.3	0.01	0545	0.1	0.00	1110	0.1	0.01
0025	3.5	0.00	0550	0.1	0.00	1115	0.1	0.01
0030	3.7	0.00	0555	0.1	0.00	1120	0.1	0.02
0035	3.9	0.00	0600	0.1	0.00	1125	0.1	0.01
0040	4.0	0.01	0605	0.1	0.00	1130	0.1	0.01
0045	4.2	0.00	0610	0.1	0.00	1135	0.1	0.01
0050	4.4	0.01	0615	0.1	0.00	1140	0.1	0.02
0055	4.5	0.01	0620	0.1	0.01	1145	38.8	0.01
0100	4.7	0.00	0625	0.1	0.00	1150	28.8	0.01
0105	4.9	0.01	0630	0.1	0.00	1155	28.8	0.01
0110	5.1	0.01	0635	0.1	0.01	1200	38.8	0.02
0115	5.2	0.01	0640	0.1	0.00	1205	33.5	0.01
0120	5.4	0.01	0645	0.1	0.00	1210	46.9	0.01
0125	5.6	0.01	0650	0.1	0.00	1215	28.8	0.01
0130	5.8	0.01	0655	0.1	0.01	1220	24.8	0.01
0135	5.9	0.01	0700	0.1	0.00	1225	21.3	0.01
0140	7.0	0.01	0705	0.1	0.00	1230	21.3	0.01
0145	24.8	0.02	0710	0.1	0.00	1235	33.5	0.01
0150	24.8	0.01	0715	0.1	0.00	1240	21.3	0.02
0155	53.4	0.02	0720	0.1	0.00	1245	45.0	0.01
0200	54.2	0.01	0725	0.1	0.00	1250	33.5	0.01
0205	55.0	0.01	0730	0.1	0.00	1255	45.0	0.01
0210	54.2	0.01	0735	0.1	0.00	1300	45.0	0.01
0210	54.2	0.01	0740	0.1	0.00	1305	51.0	0.02
0220	33.5	0.00	0745	0.1	0.00	1310	48.9	0.01
0225	18.2	0.00	0750	0.1	0.00	1315	55.4	0.00
0230	8.2	0.00	0755	0.1	0.00	1320	56.3	0.01
0235	3.6	0.00	0800	0.1	0.00	1325	28.8	0.01
0240	0.1	0.01	0805	0.1	0.00	1330	28.8	0.01
0245	0.1	0.00	0810	0.1	0.00	1335	28.8	0.01
0250	0.1	0.00	0815	0.1	0.00	1340	8.2	0.01
0255	0.1	0.00	0820	0.1	0.00	1345	18.2	0.02
0300	0.1	0.00	0825	0.1	0.00	1350	33.5	0.01
0305	0.1	0.00	0830	0.1	0.01	1355	38.8	0.01
0310	0.1	0.02	0835	0.1	0.00	1400	33.5	0.02
0315	0.1	0.00	0840	0.1	0.01	1405	53.4	0.01
0320	0.1	0.00	0845	0.1	0.00	1410	54.2	0.02
0325	0.1	0.01	0850	0.1	0.01	1415	56.8	0.02
0330	0.1	0.00	0855	0.1	0.00	1420	60.3	0.02
0335	0.1	0.00	0900	0.1	0.00	1425	64.7	0.03
0340	0.1	0.00	0905	0.1	0.00	1430	71.0	0.02
0345	0.1	0.00	0910	0.1	0.00	1435	75.9	0.01
0350	0.1	0.00	0915	0.1	0.00	1440	77.2	0.02
0355	0.1	0.01	0920	0.1	0.00	1445	75.1	0.01
0400	0.1	0.00	0925	0.1	0.00	1450	70.2	0.02
0405	0.1	0.00	0930	0.1	0.00	1455	71.4	0.01
0410	0.1	0.00	0935	0.1	0.00	1500	69.8	0.01
0415	0.1	0.00	0940	0.1	0.00	1505	66.8	0.01
0420	0.1	0.01	0945	0.1	0.00	1510	62.1	0.01
0425	0.1	0.00	0950	0.1	0.01	1515	59.0	0.00
0430	0.1	0.00	0955	0.1	0.00	1520	57.2	0.00
0435	0.1	0.00	1000	0.1	0.00	1525	51.0	0.00
0440	0.1	0.00	1005	0.1	0.00	1530	24.8	0.01
0445	0.1	0.00	1010	0.1	0.00	1535	5.9	0.00
0450	0.1	0.01	1015	0.1	0.00	1540	3.0	0.00
0455	0.1	0.00	1020	0.1	0.00	1545	0.1	0.00
0500	0.1	0.00	1025	0.1	0.00	1550	0.1	0.00
0505	0.1	0.01	1030	0.1	0.00	1555	0.1	0.01
0510	0.1	0.00	1035	0.1	0.00	1600	0.1	0.00
0515	0.1	0.00	1040	0.1	0.00	1605	17.2	0.01
0520	0.1	0.00	1045	0.1	0.00	1610	20.1	0.00
0525	0.1	0.00	1050	0.1	0.00	1615	22.9	0.00

Table 133.--Streamflow and rainfall at station 02173495, Sunnyside Canal at Orangeburg, October 10-11, 1990--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1620	25.7	0.00	1735	0.1	0.02	1850	138.0	0.00
1625	28.6	0.00	1740	83.3	0.02	1855	132.0	0.01
1630	31.4	0.00	1745	82.5	0.03	1900	126.0	0.01
1635	34.3	0.00	1750	87.7	0.04	1905	115.0	0.01
1640	37.1	0.00	1755	98.6	0.02	1910	98.9	0.00
1645	40.0	0.00	1800	107.0	0.05	1915	82.9	0.00
1650	42.8	0.00	1805	118.0	0.02	1920	70.6	0.01
1655	45.6	0.01	1810	124.0	0.02	1925	62.9	0.00
1700	48.5	0.01	1815	127.0	0.02	1930	58.5	0.00
1705	0.1	0.02	1820	126.0	0.03	1935	52.6	0.01
1710	0.1	0.03	1825	126.0	0.01	1940	33.5	0.00
1715	0.1	0.06	1830	129.0	0.07	1945	18.2	0.00
1720	0.1	0.03	1835	135.0	0.04	1950	7.0	0.00
1725	0.1	0.03	1840	141.0	0.02	1955	0.1	0.00
1730	0.1	0.01	1845	143.0	0.02	2000	0.1	0.00

Station 02174240, Middlepen Branch at Orangeburg, S.C.

Location.--Lat 33°29'14", long 80°49'50", Orangeburg County, Hydrologic Unit 03050203, at culvert on U.S. Highway 21/178 bypass, 1.9 mi east of Orangeburg City Hall, and 4.0 mi upstream from the mouth at Cow Castle Creek.

Period of record.-- November 25, 1985 to October 19, 1990.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to the right upstream wingwall of a triple 6 ft by 10 ft concrete box culvert. A sealed intake pipe extends 30 ft upstream to a separate stilling basin. An enameled staff gage is located opposite the recording gage intake on the right bank. One crest-stage indicator is located next to the staff gage on the right upstream bank. A second crest-stage indicator is attached to the right downstream wingwall.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 250 ft^3/s.

Rain gage and location.--Station 332914080495000, lat 33°29'14", long 80°49'50". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch attached to the right downstream wingwall of the culvert at U.S. Highway 21/178 bypass, 1.9 mi east of Orangeburg City Hall, and 4.0 mi upstream from the mouth at Cow Castle Creek.

Selected basin characteristics.--

Drainage area -- 2.40 mi^2
Physiographic province -- Inner Coastal Plain
Channel slope -- 31.5 ft/mi
Channel length -- 3.30 mi
Total impervious area -- 26.0 percent
Basin development factor -- 4
2-year, 2-hour rainfall amount -- 2.20 in.

Flood frequency data:		
	UQ_2	428 ft^3/s
	UQ_5	730 ft^3/s
	UQ_{10}	952 ft^3/s
	UQ_{25}	1,250 ft^3/s
	UQ_{50}	1,480 ft^3/s
	UQ_{100}	1,730 ft^3/s
	UQ_{500}	2,320 ft^3/s

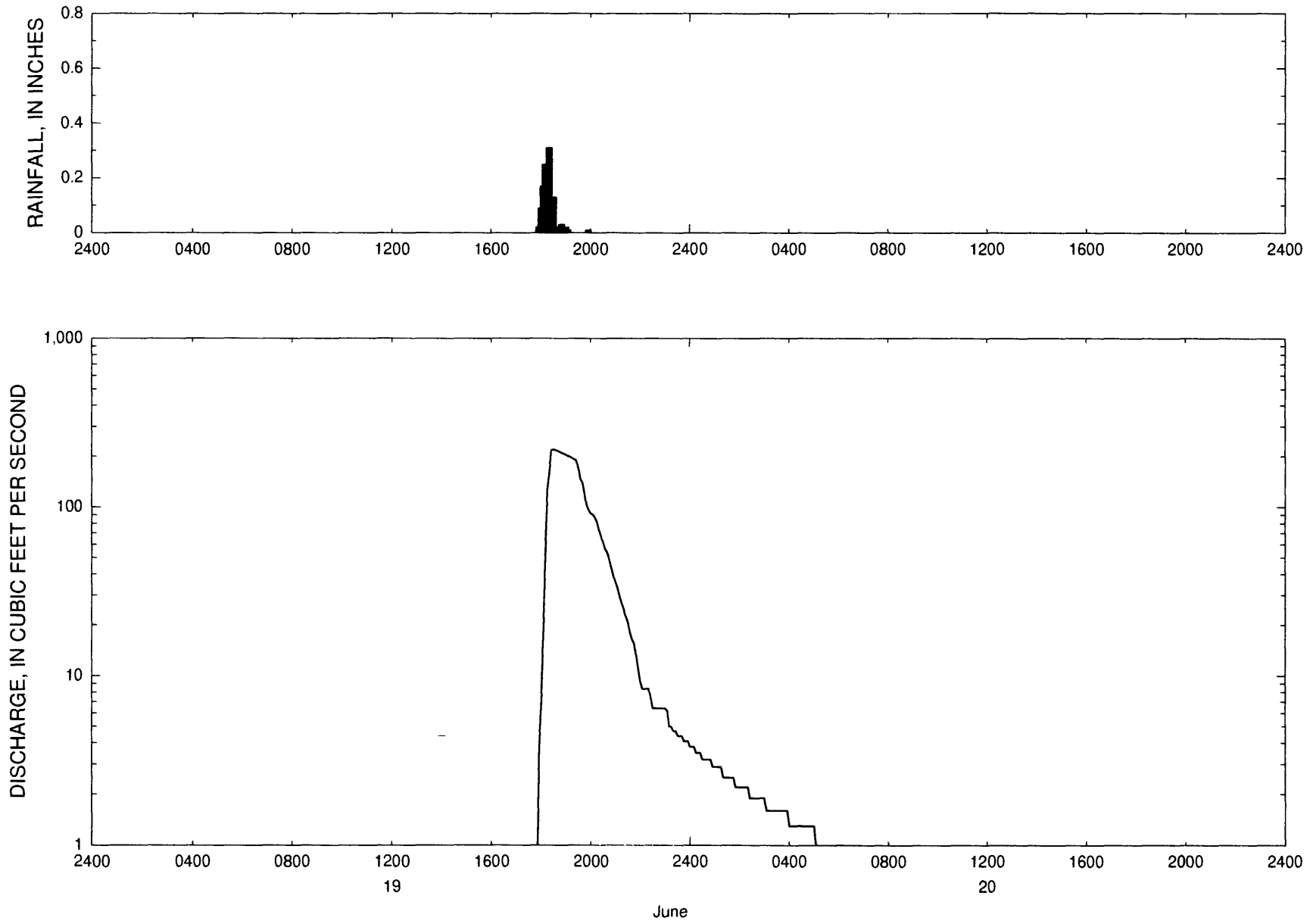


Figure 135.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, June 19-20, 1986.

Table 134.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, June 19-20, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 19, 1986			2230	6.4	0.00	0315	1.6	0.00
1745	0.1	0.00	2235	6.4	0.00	0320	1.6	0.00
1750	0.7	0.00	2240	6.4	0.00	0325	1.6	0.00
1755	3.8	0.02	2245	6.4	0.00	0330	1.6	0.00
1800	6.7	0.09	2250	6.4	0.00	0335	1.6	0.00
1805	18.2	0.17	2255	6.4	0.00	0340	1.6	0.00
1810	50.1	0.25	2300	6.4	0.00	0345	1.6	0.00
1815	127.0	0.11	2305	6.2	0.00	0350	1.6	0.00
1820	163.0	0.31	2310	5.0	0.00	0355	1.6	0.00
1825	218.0	0.13	2315	5.0	0.00	0400	1.3	0.00
1830	220.0	0.13	2320	4.7	0.00	0405	1.3	0.00
1835	218.0	0.01	2325	4.7	0.00	0410	1.3	0.00
1840	216.0	0.01	2330	4.4	0.00	0415	1.3	0.00
1845	213.0	0.02	2335	4.4	0.00	0420	1.3	0.00
1850	210.0	0.03	2340	4.4	0.00	0425	1.3	0.00
1855	208.0	0.00	2345	4.1	0.00	0430	1.3	0.00
1900	205.0	0.02	2350	4.1	0.00	0435	1.3	0.00
1905	202.0	0.01	2355	4.1	0.00	0440	1.3	0.00
1910	199.0	0.00	June 20, 1986			0445	1.3	0.00
1915	196.0	0.00	0000	3.8	0.00	0450	1.3	0.00
1920	193.0	0.00	0005	3.8	0.00	0455	1.3	0.00
1925	190.0	0.00	0010	3.8	0.00	0500	1.3	0.00
1930	170.0	0.00	0015	3.5	0.00	0505	1.0	0.00
1935	146.0	0.00	0020	3.5	0.00	0510	1.0	0.00
1940	139.0	0.00	0025	3.5	0.00	0515	1.0	0.00
1945	120.0	0.00	0030	3.2	0.00	0520	1.0	0.00
1950	102.0	0.00	0035	3.2	0.00	0525	1.0	0.00
1955	95.6	0.01	0040	3.2	0.00	0530	1.0	0.00
2000	91.6	0.00	0045	3.2	0.00	0535	1.0	0.00
2005	90.5	0.00	0050	3.2	0.00	0540	1.0	0.00
2010	86.7	0.00	0055	2.9	0.00	0545	1.0	0.00
2015	81.7	0.00	0100	2.9	0.00	0550	1.0	0.00
2020	73.1	0.00	0105	2.9	0.00	0555	1.0	0.00
2025	67.6	0.00	0110	2.9	0.00	0600	1.0	0.00
2030	61.7	0.00	0115	2.9	0.00	0605	1.0	0.00
2035	56.6	0.00	0120	2.5	0.00	0610	1.0	0.00
2040	54.1	0.00	0125	2.5	0.00	0615	1.0	0.00
2045	48.7	0.00	0130	2.5	0.00	0620	1.0	0.00
2050	44.0	0.00	0135	2.5	0.00	0625	1.0	0.00
2055	39.4	0.00	0140	2.5	0.00	0630	1.0	0.00
2100	35.7	0.00	0145	2.5	0.00	0635	1.0	0.00
2105	33.0	0.00	0150	2.2	0.00	0640	1.0	0.00
2110	29.5	0.00	0155	2.2	0.00	0645	1.0	0.00
2115	26.9	0.00	0200	2.2	0.00	0650	1.0	0.00
2120	25.1	0.00	0205	2.2	0.00	0655	1.0	0.00
2125	22.5	0.00	0210	2.2	0.00	0700	0.7	0.00
2130	20.7	0.00	0215	2.2	0.00	0705	0.7	0.00
2135	18.1	0.00	0220	2.2	0.00	0710	0.7	0.00
2140	16.4	0.00	0225	1.9	0.00	0715	0.7	0.00
2145	15.5	0.00	0230	1.9	0.00	0720	0.7	0.00
2150	13.2	0.00	0235	1.9	0.00	0725	0.7	0.00
2155	11.0	0.00	0240	1.9	0.00	0730	0.7	0.00
2200	9.3	0.00	0245	1.9	0.00	0735	0.7	0.00
2205	8.4	0.00	0250	1.9	0.00	0740	0.7	0.00
2210	8.4	0.00	0255	1.9	0.00	0745	0.7	0.00
2215	8.4	0.00	0300	1.9	0.00	0750	0.7	0.00
2220	8.4	0.00	0305	1.6	0.00	0755	0.7	0.00
2225	7.4	0.00	0310	1.6	0.00	0800	0.7	0.00

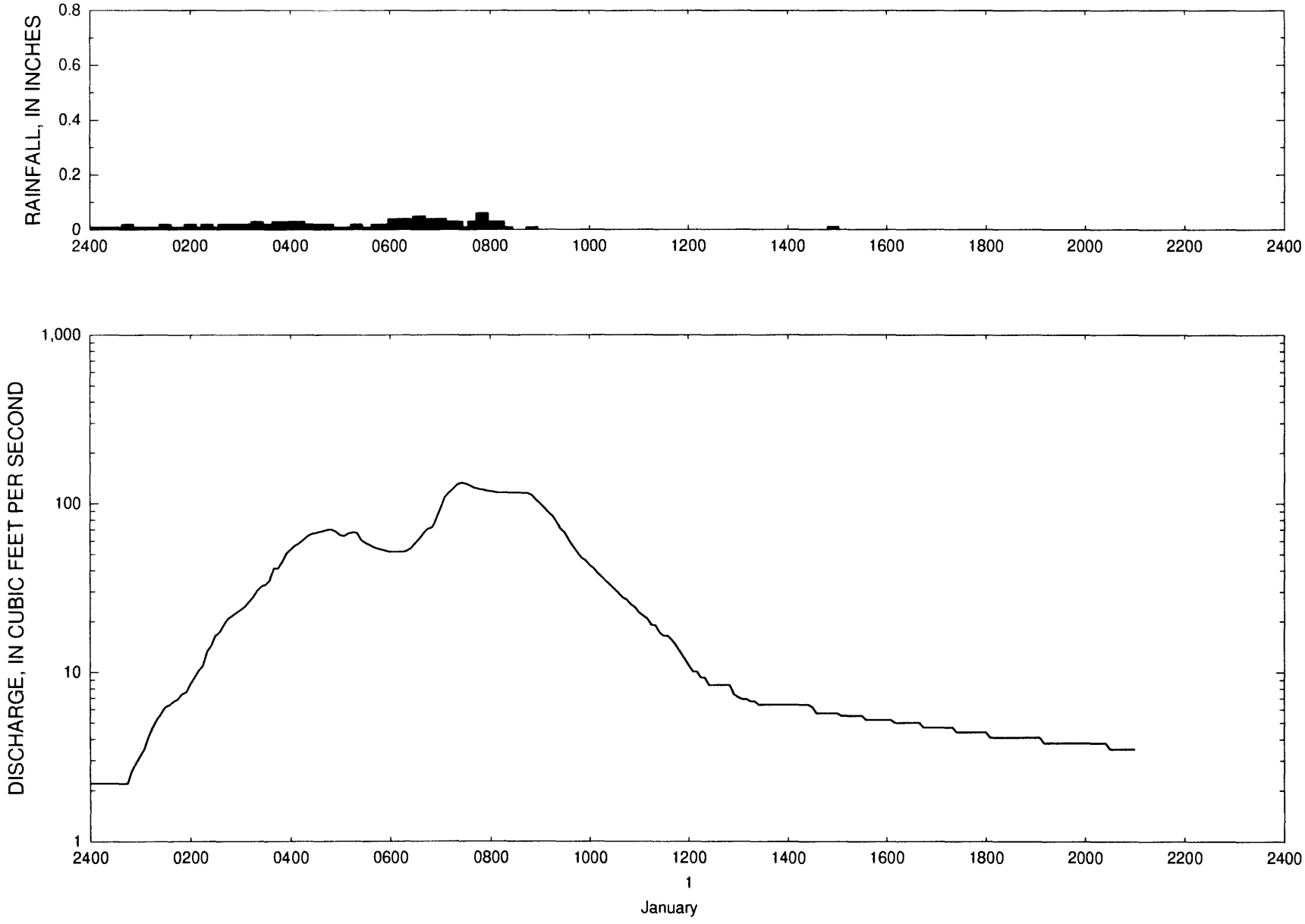


Figure 136.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, January 1, 1987.

Table 135.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, January 1, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
January 1, 1987			0520	67.2	0.02	1045	26.9	0.00
0000	2.2	0.00	0525	61.0	0.00	1050	25.1	0.00
0005	2.2	0.01	0530	58.6	0.01	1055	24.2	0.00
0010	2.2	0.00	0535	57.0	0.00	1100	22.5	0.00
0015	2.2	0.01	0540	55.0	0.00	1105	21.6	0.00
0020	2.2	0.00	0545	54.1	0.02	1110	20.7	0.00
0025	2.2	0.01	0550	53.3	0.02	1115	19.0	0.00
0030	2.2	0.01	0555	52.4	0.02	1120	19.0	0.00
0035	2.2	0.01	0600	51.5	0.02	1125	17.2	0.00
0040	2.2	0.00	0605	51.5	0.04	1130	16.4	0.00
0045	2.2	0.02	0610	51.5	0.03	1135	16.4	0.00
0050	2.6	0.01	0615	51.5	0.02	1140	15.5	0.00
0055	2.9	0.00	0620	52.5	0.04	1145	14.4	0.00
0100	3.2	0.01	0625	54.4	0.03	1150	13.2	0.00
0105	3.5	0.00	0630	58.3	0.02	1155	12.1	0.00
0110	4.1	0.01	0635	62.1	0.05	1200	11.0	0.00
0115	4.7	0.00	0640	67.1	0.03	1205	10.1	0.00
0120	5.2	0.01	0645	70.8	0.04	1210	10.1	0.00
0125	5.7	0.01	0650	72.2	0.02	1215	9.3	0.00
0130	6.2	0.02	0655	82.5	0.01	1220	9.3	0.00
0135	6.4	0.01	0700	94.5	0.04	1225	8.4	0.00
0140	6.7	0.01	0705	109.0	0.03	1230	8.4	0.00
0145	6.9	0.01	0710	116.0	0.01	1235	8.4	0.00
0150	7.4	0.01	0715	122.0	0.02	1240	8.4	0.00
0155	7.6	0.00	0720	129.0	0.03	1245	8.4	0.00
0200	8.5	0.02	0725	133.0	0.01	1250	8.4	0.00
0205	9.3	0.01	0730	131.0	0.01	1255	7.4	0.00
0210	10.2	0.01	0735	128.0	0.01	1300	7.1	0.00
0215	11.0	0.01	0740	124.0	0.03	1305	6.9	0.00
0220	13.3	0.02	0745	122.0	0.01	1310	6.9	0.00
0225	14.4	0.01	0750	121.0	0.06	1315	6.7	0.00
0230	16.4	0.01	0755	119.0	0.03	1320	6.7	0.00
0235	17.3	0.01	0800	118.0	0.02	1325	6.4	0.00
0240	19.0	0.02	0805	117.0	0.02	1330	6.4	0.00
0245	20.8	0.01	0810	116.0	0.03	1335	6.4	0.00
0250	21.6	0.02	0815	116.0	0.01	1340	6.4	0.00
0255	22.5	0.02	0820	116.0	0.01	1345	6.4	0.00
0300	23.4	0.02	0825	116.0	0.00	1350	6.4	0.00
0305	24.3	0.02	0830	116.0	0.00	1355	6.4	0.00
0310	26.0	0.02	0835	116.0	0.00	1400	6.4	0.00
0315	27.8	0.02	0840	115.0	0.00	1405	6.4	0.00
0320	30.4	0.03	0845	115.0	0.00	1410	6.4	0.00
0325	32.1	0.02	0850	112.0	0.01	1415	6.4	0.00
0330	33.0	0.02	0855	105.0	0.00	1420	6.4	0.00
0335	34.9	0.02	0900	100.0	0.00	1425	6.4	0.00
0340	41.4	0.02	0905	94.6	0.00	1430	6.2	0.00
0345	41.3	0.03	0910	88.5	0.00	1435	5.7	0.00
0350	45.1	0.03	0915	84.2	0.00	1440	5.7	0.00
0355	50.7	0.03	0920	77.2	0.00	1445	5.7	0.00
0400	53.5	0.03	0925	70.9	0.00	1450	5.7	0.00
0405	56.3	0.03	0930	67.3	0.00	1455	5.7	0.01
0410	58.1	0.03	0935	60.8	0.00	1500	5.7	0.00
0415	61.0	0.02	0940	55.7	0.00	1505	5.5	0.00
0420	64.0	0.02	0945	51.4	0.00	1510	5.5	0.00
0425	66.0	0.01	0950	47.8	0.00	1515	5.5	0.00
0430	67.0	0.01	0955	45.9	0.00	1520	5.5	0.00
0435	68.0	0.02	1000	43.1	0.00	1525	5.5	0.00
0440	69.0	0.01	1005	41.3	0.00	1530	5.5	0.00
0445	70.0	0.02	1010	38.5	0.00	1535	5.2	0.00
0450	70.0	0.01	1015	36.7	0.00	1540	5.2	0.00
0455	68.0	0.01	1020	34.8	0.00	1545	5.2	0.00
0500	64.9	0.01	1025	33.0	0.00	1550	5.2	0.00
0505	64.3	0.01	1030	31.2	0.00	1555	5.2	0.00
0510	66.6	0.01	1035	29.5	0.00	1600	5.2	0.00
0515	67.4	0.01	1040	27.7	0.00	1605	5.2	0.00

Table 135.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, January 1, 1987--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
1610	5.0	0.00	1750	4.4	0.00	1930	3.8	0.00
1615	5.0	0.00	1755	4.4	0.00	1935	3.8	0.00
1620	5.0	0.00	1800	4.4	0.00	1940	3.8	0.00
1625	5.0	0.00	1805	4.1	0.00	1945	3.8	0.00
1630	5.0	0.00	1810	4.1	0.00	1950	3.8	0.00
1635	5.0	0.00	1815	4.1	0.00	1955	3.8	0.00
1640	5.0	0.00	1820	4.1	0.00	2000	3.8	0.00
1645	4.7	0.00	1825	4.1	0.00	2005	3.8	0.00
1650	4.7	0.00	1830	4.1	0.00	2010	3.8	0.00
1655	4.7	0.00	1835	4.1	0.00	2015	3.8	0.00
1700	4.7	0.00	1840	4.1	0.00	2020	3.8	0.00
1705	4.7	0.00	1845	4.1	0.00	2025	3.8	0.00
1710	4.7	0.00	1850	4.1	0.00	2030	3.5	0.00
1715	4.7	0.00	1855	4.1	0.00	2035	3.5	0.00
1720	4.7	0.00	1900	4.1	0.00	2040	3.5	0.00
1725	4.4	0.00	1905	4.1	0.00	2045	3.5	0.00
1730	4.4	0.00	1910	3.8	0.00	2050	3.5	0.00
1735	4.4	0.00	1915	3.8	0.00	2055	3.5	0.00
1740	4.4	0.00	1920	3.8	0.00	2100	3.5	0.00
1745	4.4	0.00	1925	3.8	0.00			

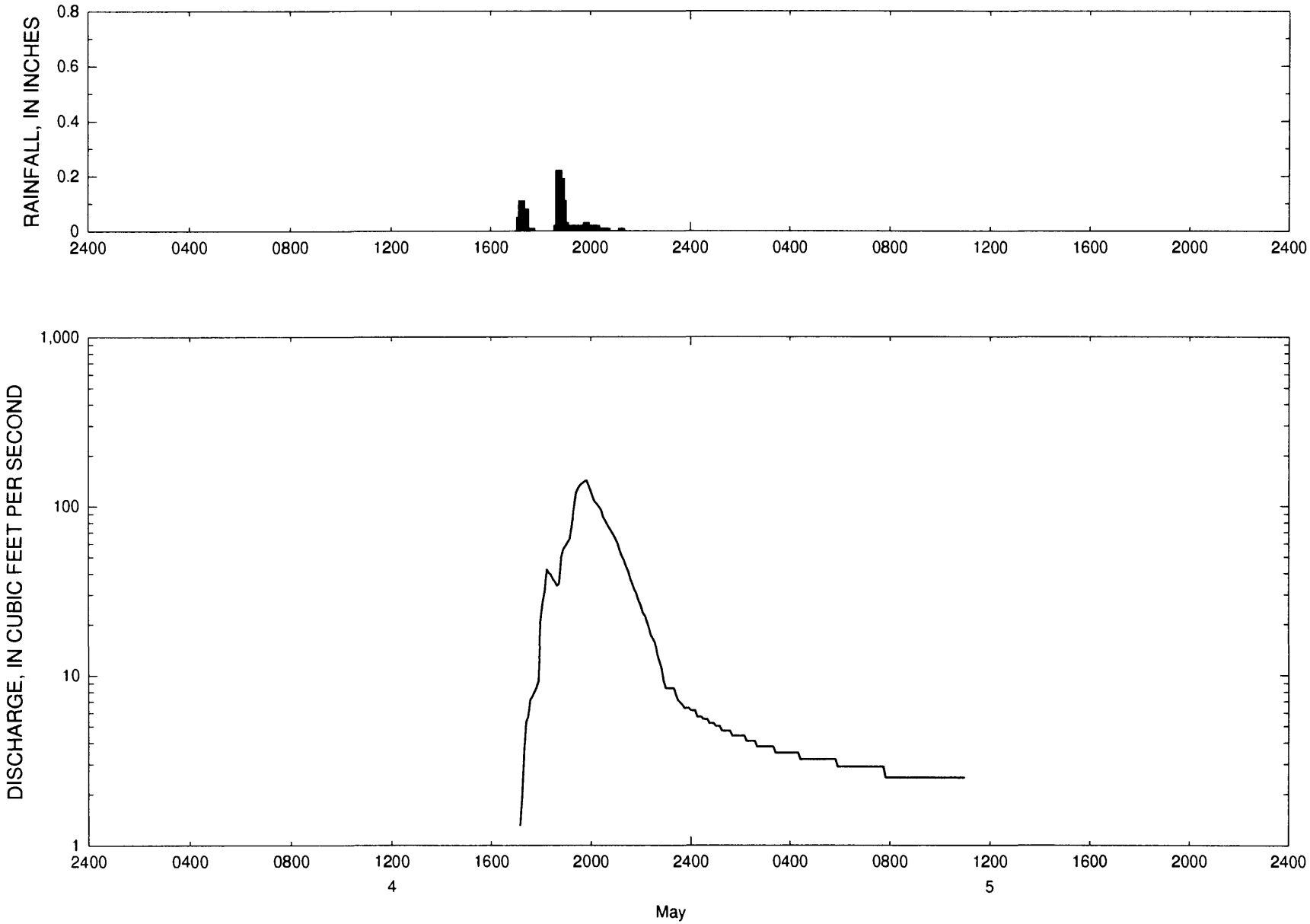


Figure 137.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, May 4-5, 1987.

Table 136.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, May 4-5, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
May 4, 1987			2230	16.4	0.00	0350	3.5	0.00
1710	1.3	0.05	2235	15.5	0.00	0355	3.5	0.00
1715	1.9	0.11	2240	13.2	0.00	0400	3.5	0.00
1720	3.5	0.07	2245	12.1	0.00	0405	3.5	0.00
1725	5.3	0.08	2250	11.0	0.00	0410	3.5	0.00
1730	5.7	0.01	2255	9.3	0.00	0415	3.5	0.00
1735	7.2	0.01	2300	8.4	0.00	0420	3.5	0.00
1740	7.5	0.01	2305	8.4	0.00	0425	3.2	0.00
1745	8.0	0.00	2310	8.4	0.00	0430	3.2	0.00
1750	8.5	0.00	2315	8.4	0.00	0435	3.2	0.00
1755	9.3	0.00	2320	8.4	0.00	0440	3.2	0.00
1800	20.8	0.00	2325	7.6	0.00	0445	3.2	0.00
1805	26.9	0.00	2330	7.1	0.00	0450	3.2	0.00
1810	31.3	0.00	2335	6.9	0.00	0455	3.2	0.00
1815	42.4	0.00	2340	6.7	0.00	0500	3.2	0.00
1820	40.4	0.00	2345	6.4	0.00	0505	3.2	0.00
1825	39.5	0.00	2350	6.4	0.00	0510	3.2	0.00
1830	37.0	0.00	2355	6.4	0.00	0515	3.2	0.00
1835	35.7	0.00	May 5, 1987			0520	3.2	0.00
1840	33.9	0.02	0000	6.2	0.00	0525	3.2	0.00
1845	34.9	0.22	0005	6.2	0.00	0530	3.2	0.00
1850	49.8	0.19	0010	6.2	0.00	0535	3.2	0.00
1855	55.6	0.11	0015	5.7	0.00	0540	3.2	0.00
1900	58.2	0.03	0020	5.7	0.00	0545	3.2	0.00
1905	61.1	0.02	0025	5.7	0.00	0550	3.2	0.00
1910	63.9	0.01	0030	5.5	0.00	0555	2.9	0.00
1915	76.0	0.00	0035	5.5	0.00	0600	2.9	0.00
1920	96.0	0.02	0040	5.5	0.00	0605	2.9	0.00
1925	120.0	0.01	0045	5.2	0.00	0610	2.9	0.00
1930	128.0	0.02	0050	5.2	0.00	0615	2.9	0.00
1935	134.0	0.02	0055	5.2	0.00	0620	2.9	0.00
1940	137.0	0.01	0100	5.0	0.00	0625	2.9	0.00
1945	140.0	0.02	0105	5.0	0.00	0630	2.9	0.00
1950	142.0	0.03	0110	5.0	0.00	0635	2.9	0.00
1955	132.0	0.01	0115	4.7	0.00	0640	2.9	0.00
2000	123.0	0.01	0120	4.7	0.00	0645	2.9	0.00
2005	113.0	0.02	0125	4.7	0.00	0650	2.9	0.00
2010	106.0	0.01	0130	4.7	0.00	0655	2.9	0.00
2015	103.0	0.02	0135	4.7	0.00	0700	2.9	0.00
2020	98.9	0.01	0140	4.4	0.00	0705	2.9	0.00
2025	94.9	0.01	0145	4.4	0.00	0710	2.9	0.00
2030	86.2	0.00	0150	4.4	0.00	0715	2.9	0.00
2035	82.2	0.01	0155	4.4	0.00	0720	2.9	0.00
2040	77.8	0.01	0200	4.4	0.00	0725	2.9	0.00
2045	74.1	0.00	0205	4.4	0.00	0730	2.9	0.00
2050	70.9	0.00	0210	4.4	0.00	0735	2.9	0.00
2055	67.5	0.00	0215	4.1	0.00	0740	2.9	0.00
2100	63.9	0.00	0220	4.1	0.00	0745	2.9	0.00
2105	60.3	0.00	0225	4.1	0.00	0750	2.5	0.00
2110	54.8	0.00	0230	4.1	0.00	0755	2.5	0.00
2115	50.5	0.01	0235	4.1	0.00	0800	2.5	0.00
2120	47.8	0.00	0240	3.8	0.00	0805	2.5	0.00
2125	44.1	0.00	0245	3.8	0.00	0810	2.5	0.00
2130	41.3	0.00	0250	3.8	0.00	0815	2.5	0.00
2135	37.6	0.00	0255	3.8	0.00	0820	2.5	0.00
2140	34.8	0.00	0300	3.8	0.00	0825	2.5	0.00
2145	32.1	0.00	0305	3.8	0.00	0830	2.5	0.00
2150	30.4	0.00	0310	3.8	0.00	0835	2.5	0.00
2155	27.7	0.00	0315	3.8	0.00	0840	2.5	0.00
2200	26 0	0.00	0320	3.8	0.00	0845	2.5	0.00
2205	23.4	0.00	0325	3.5	0.00	0850	2.5	0.00
2210	22.5	0.00	0330	3.5	0.00	0855	2.5	0.00
2215	20.7	0.00	0335	3.5	0.00	0900	2.5	0.00
2220	19.0	0.00	0340	3.5	0.00	0905	2.5	0.00
2225	17.2	0.00	0345	3.5	0.00	0910	2.5	0.00

Table 136.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, May 4-5, 1987--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0915	2.5	0.00	0955	2.5	0.00	1035	2.5	0.00
0920	2.5	0.00	1000	2.5	0.00	1040	2.5	0.00
0925	2.5	0.00	1005	2.5	0.00	1045	2.5	0.00
0930	2.5	0.00	1010	2.5	0.00	1050	2.5	0.00
0935	2.5	0.00	1015	2.5	0.00	1055	2.5	0.00
0940	2.5	0.00	1020	2.5	0.00	1100	2.5	0.00
0945	2.5	0.00	1025	2.5	0.00			
0950	2.5	0.00	1030	2.5	0.00			

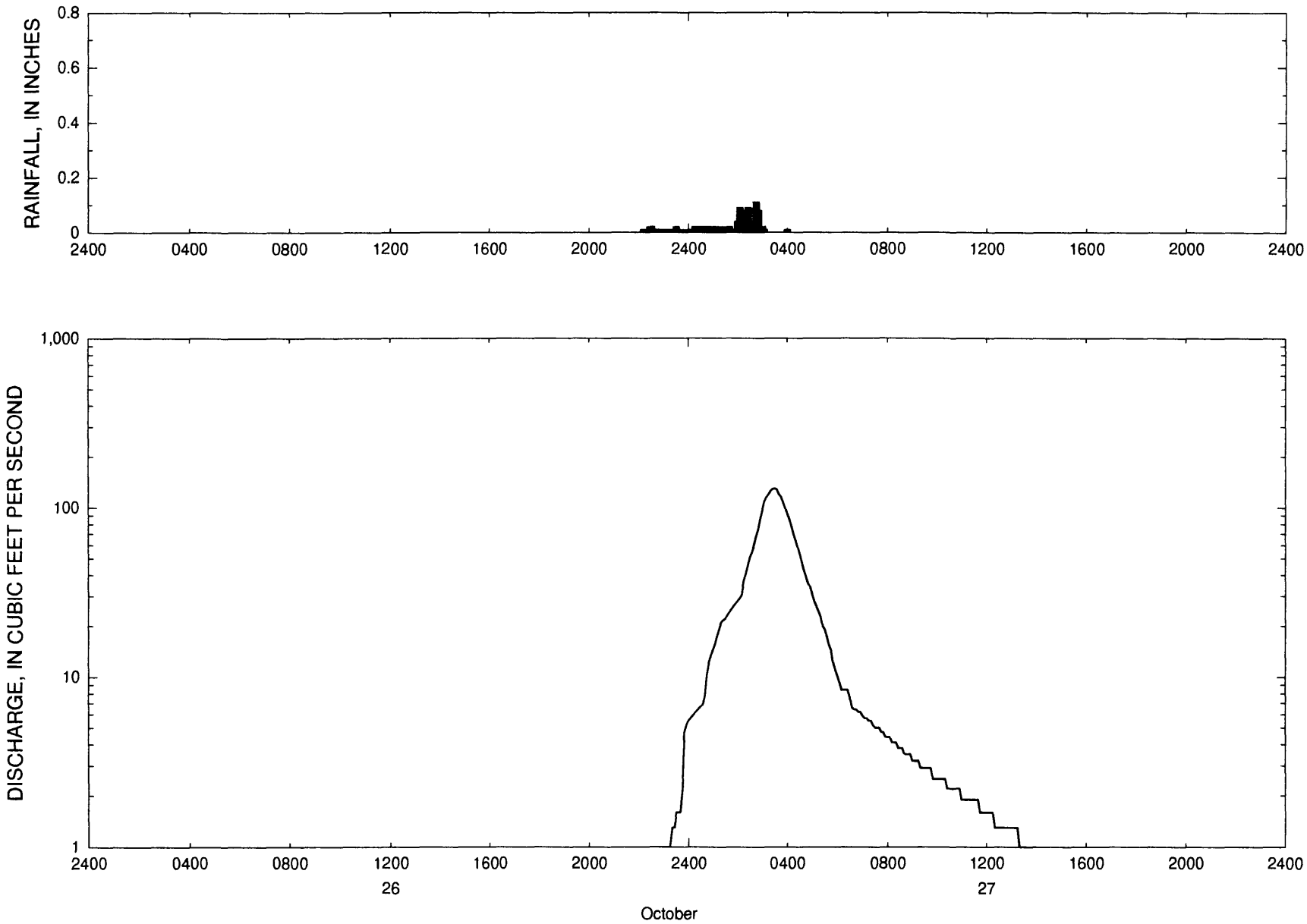


Figure 138.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, October 26-27, 1987.

Table 137.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, October 26-27, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
October 26, 1987			0325	129.0	0.00	0850	3.5	0.00
2210	1.0	0.01	0330	130.0	0.00	0855	3.5	0.00
2215	1.0	0.00	0335	128.0	0.00	0900	3.2	0.00
2220	1.0	0.01	0340	120.0	0.00	0905	3.2	0.00
2225	1.0	0.02	0345	116.0	0.00	0910	3.2	0.00
2230	1.0	0.02	0350	108.0	0.00	0915	3.2	0.00
2235	1.0	0.01	0355	100.0	0.00	0920	2.9	0.00
2240	1.0	0.01	0400	92.1	0.01	0925	2.9	0.00
2245	1.0	0.01	0405	85.2	0.00	0930	2.9	0.00
2250	1.0	0.01	0410	77.7	0.00	0935	2.9	0.00
2255	1.0	0.00	0415	69.5	0.00	0940	2.9	0.00
2300	1.0	0.01	0420	64.3	0.00	0945	2.9	0.00
2305	1.0	0.00	0425	58.2	0.00	0950	2.5	0.00
2310	1.0	0.01	0430	53.1	0.00	0955	2.5	0.00
2315	1.0	0.00	0435	47.7	0.00	1000	2.5	0.00
2320	1.3	0.01	0440	43.1	0.00	1005	2.5	0.00
2325	1.3	0.00	0445	39.4	0.00	1010	2.5	0.00
2330	1.6	0.02	0450	35.7	0.00	1015	2.5	0.00
2335	1.6	0.01	0455	33.9	0.00	1020	2.5	0.00
2340	1.6	0.01	0500	30.3	0.00	1025	2.2	0.00
2345	2.2	0.01	0505	27.7	0.00	1030	2.2	0.00
2350	4.7	0.01	0510	26.0	0.00	1035	2.2	0.00
2355	5.2	0.00	0515	24.2	0.00	1040	2.2	0.00
October 27, 1987			0520	22.5	0.00	1045	2.2	0.00
0000	5.5	0.01	0525	19.9	0.00	1050	2.2	0.00
0005	5.7	0.00	0530	19.0	0.00	1055	2.2	0.00
0010	5.9	0.01	0535	17.2	0.00	1100	1.9	0.00
0015	6.1	0.02	0540	15.5	0.00	1105	1.9	0.00
0020	6.3	0.02	0545	14.4	0.00	1110	1.9	0.00
0025	6.5	0.02	0550	12.1	0.00	1115	1.9	0.00
0030	6.7	0.01	0555	11.0	0.00	1120	1.9	0.00
0035	6.9	0.02	0600	10.1	0.00	1125	1.9	0.00
0040	7.6	0.00	0605	9.3	0.00	1130	1.9	0.00
0045	10.2	0.02	0610	8.4	0.00	1135	1.9	0.00
0050	12.1	0.00	0615	8.4	0.00	1140	1.9	0.00
0055	13.3	0.01	0620	8.4	0.00	1145	1.6	0.00
0100	14.4	0.02	0625	8.4	0.00	1150	1.6	0.00
0105	15.5	0.01	0630	7.6	0.00	1155	1.6	0.00
0110	17.3	0.01	0635	6.6	0.00	1200	1.6	0.00
0115	19.0	0.02	0640	6.4	0.00	1205	1.6	0.00
0120	20.8	0.02	0645	6.4	0.00	1210	1.6	0.00
0125	21.6	0.02	0650	6.2	0.00	1215	1.6	0.00
0130	22.0	0.01	0655	6.2	0.00	1220	1.3	0.00
0135	23.0	0.01	0700	5.9	0.00	1225	1.3	0.00
0140	24.0	0.02	0705	5.7	0.00	1230	1.3	0.00
0145	25.0	0.01	0710	5.7	0.00	1235	1.3	0.00
0150	26.0	0.01	0715	5.5	0.00	1240	1.3	0.00
0155	27.0	0.01	0720	5.5	0.00	1245	1.3	0.00
0200	28.0	0.04	0725	5.2	0.00	1250	1.3	0.00
0205	29.0	0.09	0730	5.0	0.00	1255	1.3	0.00
0210	30.4	0.08	0735	5.0	0.00	1300	1.3	0.00
0215	36.8	0.08	0740	5.0	0.00	1305	1.3	0.00
0220	40.4	0.06	0745	4.7	0.00	1310	1.3	0.00
0225	45.1	0.09	0750	4.7	0.00	1315	1.3	0.00
0230	50.7	0.04	0755	4.4	0.00	1320	1.0	0.00
0235	54.5	0.01	0800	4.4	0.00	1325	1.0	0.00
0240	59.4	0.03	0805	4.4	0.00	1330	1.0	0.00
0245	67.6	0.11	0810	4.1	0.00	1335	1.0	0.00
0250	74.2	0.08	0815	4.1	0.00	1340	1.0	0.00
0255	86.2	0.02	0820	4.1	0.00	1345	1.0	0.00
0300	97.6	0.02	0825	3.8	0.00	1350	1.0	0.00
0305	109.0	0.01	0830	3.8	0.00	1355	1.0	0.00
0310	115.0	0.00	0835	3.8	0.00	1400	1.0	0.00
0315	119.0	0.00	0840	3.5	0.00			
0320	125.0	0.00	0845	3.5	0.00			

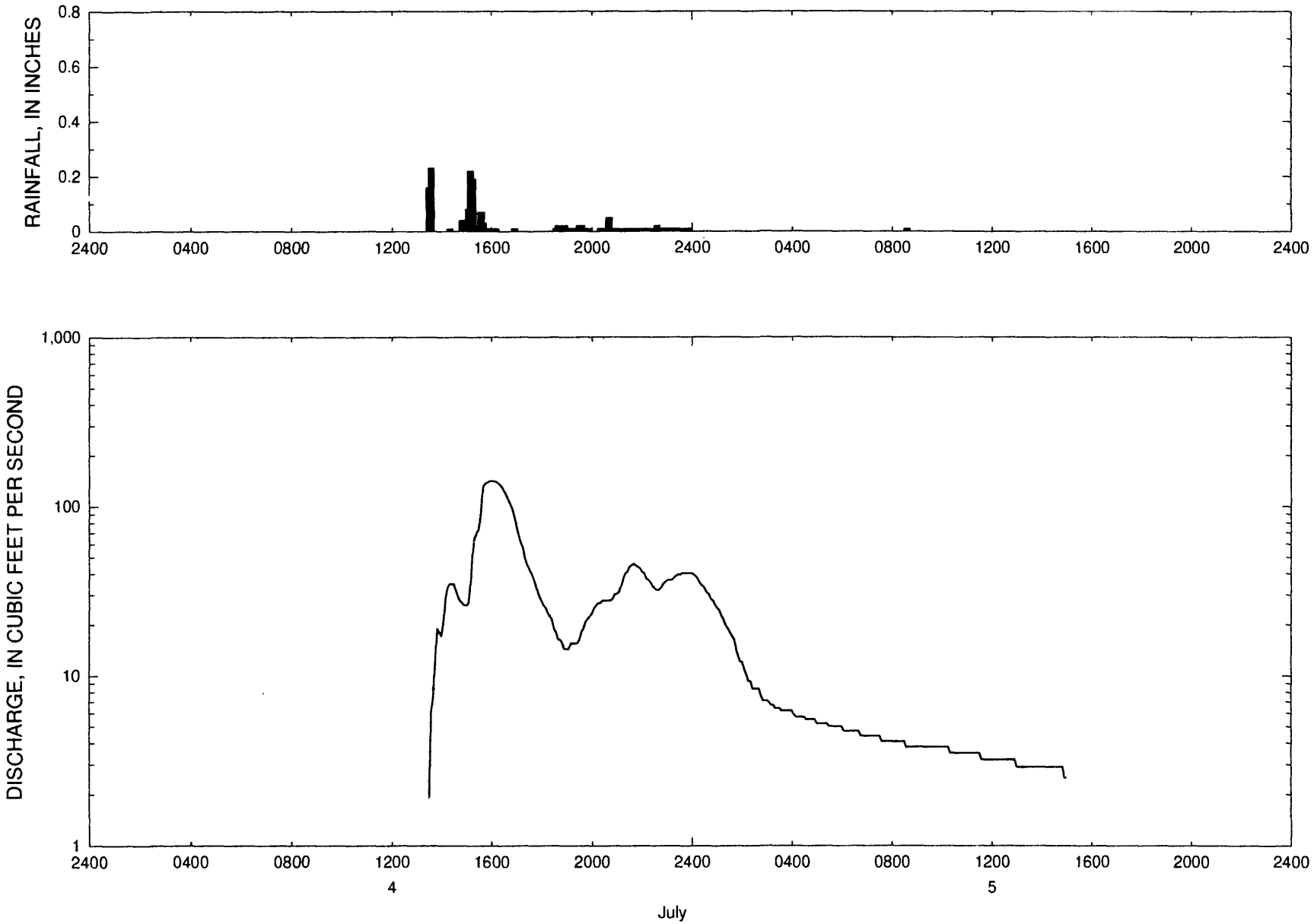


Figure 139.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, July 4-5, 1989.

Table 138.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, July 4-5, 1989

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
July 4, 1989			1850	15.5	0.01	0010	38.5	0.00
1330	1.9	0.16	1855	14.4	0.02	0015	36.7	0.00
1335	6.0	0.23	1900	14.4	0.01	0020	34.8	0.00
1340	7.6	0.00	1905	14.4	0.01	0025	33.9	0.00
1345	12.2	0.00	1910	15.5	0.00	0030	33.0	0.00
1350	19.0	0.00	1915	15.5	0.01	0035	31.2	0.00
1355	18.1	0.00	1920	15.5	0.01	0040	30.4	0.00
1400	17.2	0.00	1925	15.5	0.01	0045	28.6	0.00
1405	20.8	0.00	1930	16.4	0.02	0050	27.7	0.00
1410	28.7	0.00	1935	18.1	0.02	0055	26.0	0.00
1415	33.0	0.00	1940	19.0	0.01	0100	25.1	0.00
1420	34.9	0.01	1945	20.8	0.00	0105	24.2	0.00
1425	34.8	0.00	1950	21.6	0.01	0110	22.5	0.00
1430	34.8	0.00	1955	22.5	0.00	0115	21.6	0.00
1435	32.1	0.00	2000	23.4	0.00	0120	19.9	0.00
1440	29.5	0.00	2005	25.1	0.00	0125	19.0	0.00
1445	27.7	0.00	2010	26.0	0.00	0130	18.1	0.00
1450	26.9	0.04	2015	26.9	0.00	0135	17.2	0.00
1455	26.0	0.01	2020	26.9	0.01	0140	16.4	0.00
1500	26.0	0.00	2025	27.8	0.00	0145	14.4	0.00
1505	26.9	0.08	2030	27.8	0.00	0150	13.2	0.00
1510	34.9	0.22	2035	27.8	0.01	0155	12.1	0.00
1515	52.0	0.19	2040	27.8	0.05	0200	12.1	0.00
1520	65.3	0.01	2045	27.8	0.01	0205	11.0	0.00
1525	70.2	0.00	2050	28.6	0.01	0210	10.1	0.00
1530	73.5	0.02	2055	30.4	0.01	0215	9.3	0.00
1535	95.1	0.07	2100	30.4	0.01	0220	9.3	0.00
1540	132.0	0.03	2105	31.3	0.01	0225	8.4	0.00
1545	137.0	0.01	2110	34.0	0.01	0230	8.4	0.00
1550	139.0	0.01	2115	37.7	0.00	0235	8.4	0.00
1555	141.0	0.00	2120	40.4	0.00	0240	8.4	0.00
1600	142.0	0.01	2125	41.3	0.01	0245	7.6	0.00
1605	141.0	0.00	2130	44.1	0.00	0250	7.1	0.00
1610	140.0	0.01	2135	45.0	0.00	0255	7.1	0.00
1615	138.0	0.00	2140	46.0	0.01	0300	7.1	0.00
1620	135.0	0.00	2145	45.0	0.00	0305	6.9	0.00
1625	130.0	0.00	2150	44.1	0.01	0310	6.7	0.00
1630	123.0	0.00	2155	43.2	0.01	0315	6.7	0.00
1635	118.0	0.00	2200	41.3	0.01	0320	6.4	0.00
1640	111.0	0.00	2205	40.4	0.01	0325	6.4	0.00
1645	104.0	0.00	2210	37.6	0.01	0330	6.4	0.00
1650	96.9	0.00	2215	36.7	0.01	0335	6.2	0.00
1655	86.3	0.01	2220	35.8	0.01	0340	6.2	0.00
1700	77.8	0.00	2225	33.9	0.01	0345	6.2	0.00
1705	68.3	0.00	2230	33.0	0.00	0350	6.2	0.00
1710	61.5	0.00	2235	32.1	0.02	0355	6.2	0.00
1715	57.5	0.00	2240	32.1	0.01	0400	6.2	0.00
1720	50.4	0.00	2245	33.0	0.01	0405	5.9	0.00
1725	45.9	0.00	2250	34.9	0.01	0410	5.7	0.00
1730	43.1	0.00	2255	35.8	0.01	0415	5.7	0.00
1735	40.4	0.00	2300	36.7	0.01	0420	5.7	0.00
1740	37.6	0.00	2305	36.7	0.01	0425	5.7	0.00
1745	34.8	0.00	2310	36.7	0.01	0430	5.7	0.00
1750	32.1	0.00	2315	37.6	0.01	0435	5.5	0.00
1755	29.5	0.00	2320	38.6	0.01	0440	5.5	0.00
1800	27.7	0.00	2325	39.5	0.00	0445	5.5	0.00
1805	26.0	0.00	2330	39.5	0.01	0450	5.5	0.00
1810	25.1	0.00	2335	40.4	0.00	0455	5.5	0.00
1815	23.4	0.00	2340	40.4	0.01	0500	5.2	0.00
1820	22.5	0.00	2345	40.4	0.00	0505	5.2	0.00
1825	21.6	0.00	2350	40.4	0.01	0510	5.2	0.00
1830	19.0	0.00	2355	40.4	0.00	0515	5.2	0.00
1835	18.1	0.01	July 5, 1989			0520	5.2	0.00
1840	16.4	0.02	0000	40.4	0.00	0525	5.2	0.00
1845	16.4	0.02	0005	39.5	0.00	0530	5.0	0.00

Table 138.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, July 4-5, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (irches)
0535	5.0	0.00	0845	3.8	0.00	1155	3.2	0.00
0540	5.0	0.00	0850	3.8	0.00	1200	3.2	0.00
0545	5.0	0.00	0855	3.8	0.00	1205	3.2	0.00
0550	5.0	0.00	0900	3.8	0.00	1210	3.2	0.00
0555	5.0	0.00	0905	3.8	0.00	1215	3.2	0.00
0600	5.0	0.00	0910	3.8	0.00	1220	3.2	0.00
0605	4.7	0.00	0915	3.8	0.00	1225	3.2	0.00
0610	4.7	0.00	0920	3.8	0.00	1230	3.2	0.00
0615	4.7	0.00	0925	3.8	0.00	1235	3.2	0.00
0620	4.7	0.00	0930	3.8	0.00	1240	3.2	0.00
0625	4.7	0.00	0935	3.8	0.00	1245	3.2	0.00
0630	4.7	0.00	0940	3.8	0.00	1250	3.2	0.00
0635	4.7	0.00	0945	3.8	0.00	1255	3.2	0.00
0640	4.7	0.00	0950	3.8	0.00	1300	2.9	0.00
0645	4.4	0.00	0955	3.8	0.00	1305	2.9	0.00
0650	4.4	0.00	1000	3.8	0.00	1310	2.9	0.00
0655	4.4	0.00	1005	3.8	0.00	1315	2.9	0.00
0700	4.4	0.00	1010	3.8	0.00	1320	2.9	0.00
0705	4.4	0.00	1015	3.8	0.00	1325	2.9	0.00
0710	4.4	0.00	1020	3.5	0.00	1330	2.9	0.00
0715	4.4	0.00	1025	3.5	0.00	1335	2.9	0.00
0720	4.4	0.00	1030	3.5	0.00	1340	2.9	0.00
0725	4.4	0.00	1035	3.5	0.00	1345	2.9	0.00
0730	4.4	0.00	1040	3.5	0.00	1350	2.9	0.00
0735	4.1	0.00	1045	3.5	0.00	1355	2.9	0.00
0740	4.1	0.00	1050	3.5	0.00	1400	2.9	0.00
0745	4.1	0.00	1055	3.5	0.00	1405	2.9	0.00
0750	4.1	0.00	1100	3.5	0.00	1410	2.9	0.00
0755	4.1	0.00	1105	3.5	0.00	1415	2.9	0.00
0800	4.1	0.00	1110	3.5	0.00	1420	2.9	0.00
0805	4.1	0.00	1115	3.5	0.00	1425	2.9	0.00
0810	4.1	0.00	1120	3.5	0.00	1430	2.9	0.00
0815	4.1	0.00	1125	3.5	0.00	1435	2.9	0.00
0820	4.1	0.00	1130	3.5	0.00	1440	2.9	0.00
0825	4.1	0.00	1135	3.2	0.00	1445	2.9	0.00
0830	4.1	0.00	1140	3.2	0.00	1450	2.9	0.00
0835	3.8	0.01	1145	3.2	0.00	1455	2.5	0.00
0840	3.8	0.00	1150	3.2	0.00	1500	2.5	0.00

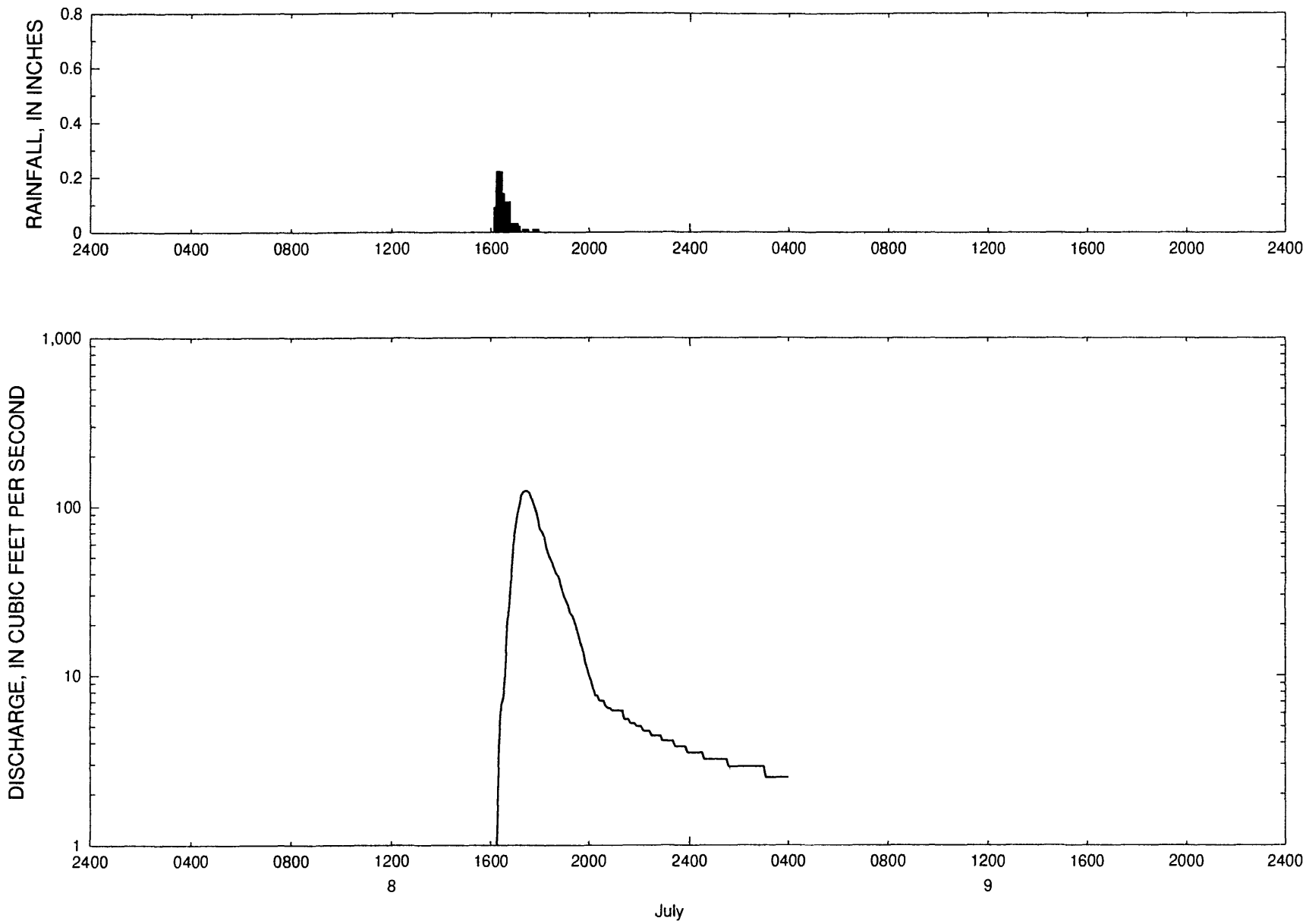


Figure 140.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, July 8-9, 1989.

Table 139.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, July 8-9, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 8, 1989			2010	8.4	0.00	0005	3.5	0.00
1615	1.0	0.09	2015	7.6	0.00	0010	3.5	0.00
1620	3.8	0.22	2020	7.6	0.00	0015	3.5	0.00
1625	6.7	0.14	2025	7.1	0.00	0020	3.5	0.00
1630	7.4	0.05	2030	7.1	0.00	0025	3.5	0.00
1635	10.2	0.05	2035	7.1	0.00	0030	3.5	0.00
1640	20.8	0.11	2040	6.6	0.00	0035	3.2	0.00
1645	25.2	0.03	2045	6.4	0.00	0040	3.2	0.00
1650	38.7	0.02	2050	6.4	0.00	0045	3.2	0.00
1655	59.8	0.02	2055	6.2	0.00	0050	3.2	0.00
1700	74.0	0.03	2100	6.2	0.00	0055	3.2	0.00
1705	89.0	0.02	2105	6.2	0.00	0100	3.2	0.00
1710	102.0	0.00	2110	6.2	0.00	0105	3.2	0.00
1715	117.0	0.00	2115	6.2	0.00	0110	3.2	0.00
1720	123.0	0.00	2120	6.2	0.00	0115	3.2	0.00
1725	124.0	0.01	2125	5.5	0.00	0120	3.2	0.00
1730	124.0	0.00	2130	5.5	0.00	0125	3.2	0.00
1735	121.0	0.00	2135	5.5	0.00	0130	3.2	0.00
1740	112.0	0.00	2140	5.2	0.00	0135	2.9	0.00
1745	103.0	0.00	2145	5.2	0.00	0140	2.9	0.00
1750	95.0	0.01	2150	5.2	0.00	0145	2.9	0.00
1755	86.0	0.00	2155	5.0	0.00	0150	2.9	0.00
1800	74.0	0.00	2200	5.0	0.00	0155	2.9	0.00
1805	70.9	0.00	2205	5.0	0.00	0200	2.9	0.00
1810	67.3	0.00	2210	4.7	0.00	0205	2.9	0.00
1815	58.0	0.00	2215	4.7	0.00	0210	2.9	0.00
1820	53.1	0.00	2220	4.7	0.00	0215	2.9	0.00
1825	49.6	0.00	2225	4.7	0.00	0220	2.9	0.00
1830	46.8	0.00	2230	4.4	0.00	0225	2.9	0.00
1835	43.1	0.00	2235	4.4	0.00	0230	2.9	0.00
1840	40.4	0.00	2240	4.4	0.00	0235	2.9	0.00
1845	38.5	0.00	2245	4.4	0.00	0240	2.9	0.00
1850	35.7	0.00	2250	4.4	0.00	0245	2.9	0.00
1855	32.1	0.00	2255	4.1	0.00	0250	2.9	0.00
1900	29.5	0.00	2300	4.1	0.00	0255	2.9	0.00
1905	27.7	0.00	2305	4.1	0.00	0300	2.9	0.00
1910	26.0	0.00	2310	4.1	0.00	0305	2.5	0.00
1915	23.4	0.00	2315	4.1	0.00	0310	2.5	0.00
1920	22.5	0.00	2320	4.1	0.00	0315	2.5	0.00
1925	20.7	0.00	2325	3.8	0.00	0320	2.5	0.00
1930	19.0	0.00	2330	3.8	0.00	0325	2.5	0.00
1935	17.2	0.00	2335	3.8	0.00	0330	2.5	0.00
1940	15.5	0.00	2340	3.8	0.00	0335	2.5	0.00
1945	14.4	0.00	2345	3.8	0.00	0340	2.5	0.00
1950	12.1	0.00	2350	3.8	0.00	0345	2.5	0.00
1955	11.0	0.00	2355	3.5	0.00	0350	2.5	0.00
2000	10.0	0.00	July 9, 1989			0355	2.5	0.00
2005	9.3	0.00	0000	3.5	0.00	0400	2.5	0.00

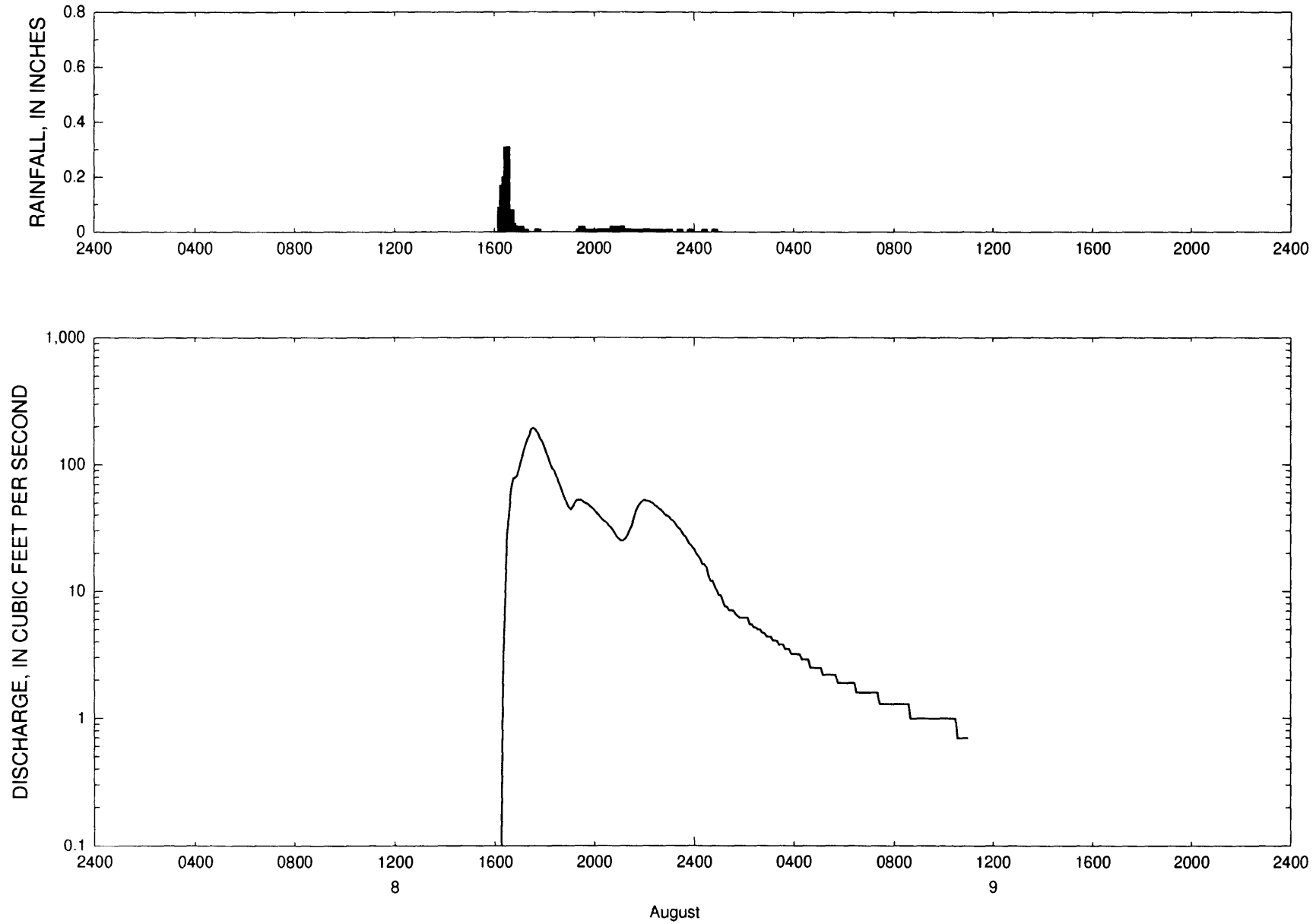


Figure 141.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, August 8-9, 1990.

Table 140.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, August 8-9, 1990

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 8, 1990			2135	37.7	0.01	0255	4.4	0.00
1615	0.1	0.09	2140	43.2	0.01	0300	4.4	0.00
1620	2.6	0.17	2145	46.9	0.01	0305	4.4	0.00
1625	7.5	0.20	2150	49.7	0.01	0310	4.1	0.00
1630	27.9	0.31	2155	51.6	0.00	0315	4.1	0.00
1635	38.7	0.07	2200	52.5	0.01	0320	4.1	0.00
1640	63.4	0.08	2205	51.5	0.01	0325	3.8	0.00
1645	77.9	0.03	2210	51.5	0.01	0330	3.8	0.00
1650	79.1	0.02	2215	50.6	0.01	0335	3.8	0.00
1655	81.6	0.01	2220	49.6	0.01	0340	3.5	0.00
1700	94.1	0.01	2225	47.8	0.00	0345	3.5	0.00
1705	109.0	0.02	2230	46.9	0.00	0350	3.5	0.00
1710	124.0	0.00	2235	45.0	0.01	0355	3.2	0.00
1715	141.0	0.01	2240	44.1	0.00	0400	3.2	0.00
1720	158.0	0.00	2245	42.2	0.00	0405	3.2	0.00
1725	171.0	0.00	2250	40.4	0.01	0410	3.2	0.00
1730	191.0	0.00	2255	39.5	0.00	0415	3.2	0.00
1735	195.0	0.00	2300	38.5	0.01	0420	2.9	0.00
1740	189.0	0.00	2305	36.7	0.00	0425	2.9	0.00
1745	178.0	0.01	2310	35.8	0.00	0430	2.9	0.00
1750	162.0	0.00	2315	33.9	0.00	0435	2.9	0.00
1755	154.0	0.00	2320	32.1	0.00	0440	2.5	0.00
1800	142.0	0.00	2325	31.2	0.01	0445	2.5	0.00
1805	128.0	0.00	2330	29.5	0.00	0450	2.5	0.00
1810	114.0	0.00	2335	27.7	0.00	0455	2.5	0.00
1815	102.0	0.00	2340	26.9	0.00	0500	2.5	0.00
1820	93.5	0.00	2345	25.1	0.00	0505	2.5	0.00
1825	90.1	0.00	2350	23.4	0.01	0510	2.2	0.00
1830	81.9	0.00	2355	22.5	0.00	0515	2.2	0.00
1835	73.4	0.00	August 9, 1990			0520	2.2	0.00
1840	67.2	0.00	0000	21.6	0.00	0525	2.2	0.00
1845	60.7	0.00	0005	19.9	0.00	0530	2.2	0.00
1850	54.8	0.00	0010	19.0	0.00	0535	2.2	0.00
1855	49.6	0.00	0015	18.1	0.00	0540	2.2	0.00
1900	45.9	0.00	0020	16.4	0.00	0545	1.9	0.00
1905	44.1	0.00	0025	16.4	0.01	0550	1.9	0.00
1910	46.9	0.00	0030	15.5	0.00	0555	1.9	0.00
1915	50.7	0.00	0035	13.2	0.00	0600	1.9	0.00
1920	52.5	0.00	0040	12.1	0.00	0605	1.9	0.00
1925	52.4	0.01	0045	12.1	0.00	0610	1.9	0.00
1930	52.4	0.02	0050	11.0	0.01	0615	1.9	0.00
1935	50.5	0.01	0055	10.1	0.00	0620	1.9	0.00
1940	49.6	0.01	0100	9.3	0.00	0625	1.9	0.00
1945	48.7	0.01	0105	9.3	0.00	0630	1.6	0.00
1950	46.9	0.01	0110	8.4	0.00	0635	1.6	0.00
1955	45.9	0.00	0115	7.6	0.00	0640	1.6	0.00
2000	44.1	0.01	0120	7.6	0.00	0645	1.6	0.00
2005	42.2	0.00	0125	7.1	0.00	0650	1.6	0.00
2010	40.4	0.00	0130	7.1	0.00	0655	1.6	0.00
2015	38.5	0.01	0135	7.1	0.00	0700	1.6	0.00
2020	36.7	0.00	0140	6.6	0.00	0705	1.6	0.00
2025	35.8	0.01	0145	6.4	0.00	0710	1.6	0.00
2030	34.8	0.01	0150	6.2	0.00	0715	1.6	0.00
2035	33.0	0.01	0155	6.2	0.00	0720	1.6	0.00
2040	32.1	0.00	0200	6.2	0.00	0725	1.3	0.00
2045	30.4	0.02	0205	6.2	0.00	0730	1.3	0.00
2050	28.6	0.00	0210	6.2	0.00	0735	1.3	0.00
2055	26.9	0.02	0215	5.5	0.00	0740	1.3	0.00
2100	26.0	0.01	0220	5.5	0.00	0745	1.3	0.00
2105	25.1	0.02	0225	5.2	0.00	0750	1.3	0.00
2110	25.1	0.01	0230	5.2	0.00	0755	1.3	0.00
2115	26.0	0.01	0235	5.0	0.00	0800	1.3	0.00
2120	27.8	0.01	0240	5.0	0.00	0805	1.3	0.00
2125	30.4	0.01	0245	4.7	0.00	0810	1.3	0.00
2130	33.0	0.01	0250	4.7	0.00	0815	1.3	0.00

Table 140.--Streamflow and rainfall at station 02174240, Middlepen Branch at Orangeburg, August 8-9, 1990--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
0820	1.3	0.00	0915	1.0	0.00	1010	1.0	0.00
0825	1.3	0.00	0920	1.0	0.00	1015	1.0	0.00
0830	1.3	0.00	0925	1.0	0.00	1020	1.0	0.00
0835	1.3	0.00	0930	1.0	0.00	1025	1.0	0.00
0840	1.0	0.00	0935	1.0	0.00	1030	1.0	0.00
0845	1.0	0.00	0940	1.0	0.00	1035	0.7	0.00
0850	1.0	0.00	0945	1.0	0.00	1040	0.7	0.00
0855	1.0	0.00	0950	1.0	0.00	1045	0.7	0.00
0900	1.0	0.00	0955	1.0	0.00	1050	0.7	0.00
0905	1.0	0.00	1000	1.0	0.00	1055	0.7	0.00
0910	1.0	0.00	1005	1.0	0.00	1100	0.7	0.00

Station 02176380, Coosawhatchie River Tributary at Allendale, S.C.

Location.--Lat 32°59'53", long 81°19'01", Allendale County, Hydrologic Unit 03050208, at culvert on Allendale County secondary road 129, 0.9 mi southwest of Allendale City Hall, and 0.4 mi upstream from the mouth at Coosawhatchie River.

Period of record.-- May 8, 1986 to October 5, 1990.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to a free-standing platform 2 ft upstream from a single 6-ft reinforced concrete pipe culvert on the right bank. An enameled staff gage is attached to the platform. One crest-stage indicator is located on the left downstream bank near the culvert exit. A second crest-stage indicator is located 20 ft upstream on the left bank.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 85 ft^3/s. The stage-streamflow relation was extended to 160 ft^3/s using indirect computational methods.

Rain gage and location.--Station 330040081183800, lat 33°00'40", long 81°18'38". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval located by a grain elevator on Bay Street (Allendale County road 98), 0.3 mi northwest of Allendale City Hall.

Selected basin characteristics.--

Drainage area -- 2.06 mi^2
Physiographic province -- Lower Coastal Plain
Channel slope -- 24.3 ft/mi
Channel length -- 2.02 mi
Total impervious area -- 13.0 percent
Basin development factor -- 2
2-year, 2-hour rainfall amount -- 2.28 in.

Flood frequency data:	UQ_2	107 ft^3/s
	UQ_5	206 ft^3/s
	UQ_{10}	308 ft^3/s
	UQ_{25}	497 ft^3/s
	UQ_{50}	695 ft^3/s
	UQ_{100}	958 ft^3/s
	UQ_{500}	1,930 ft^3/s

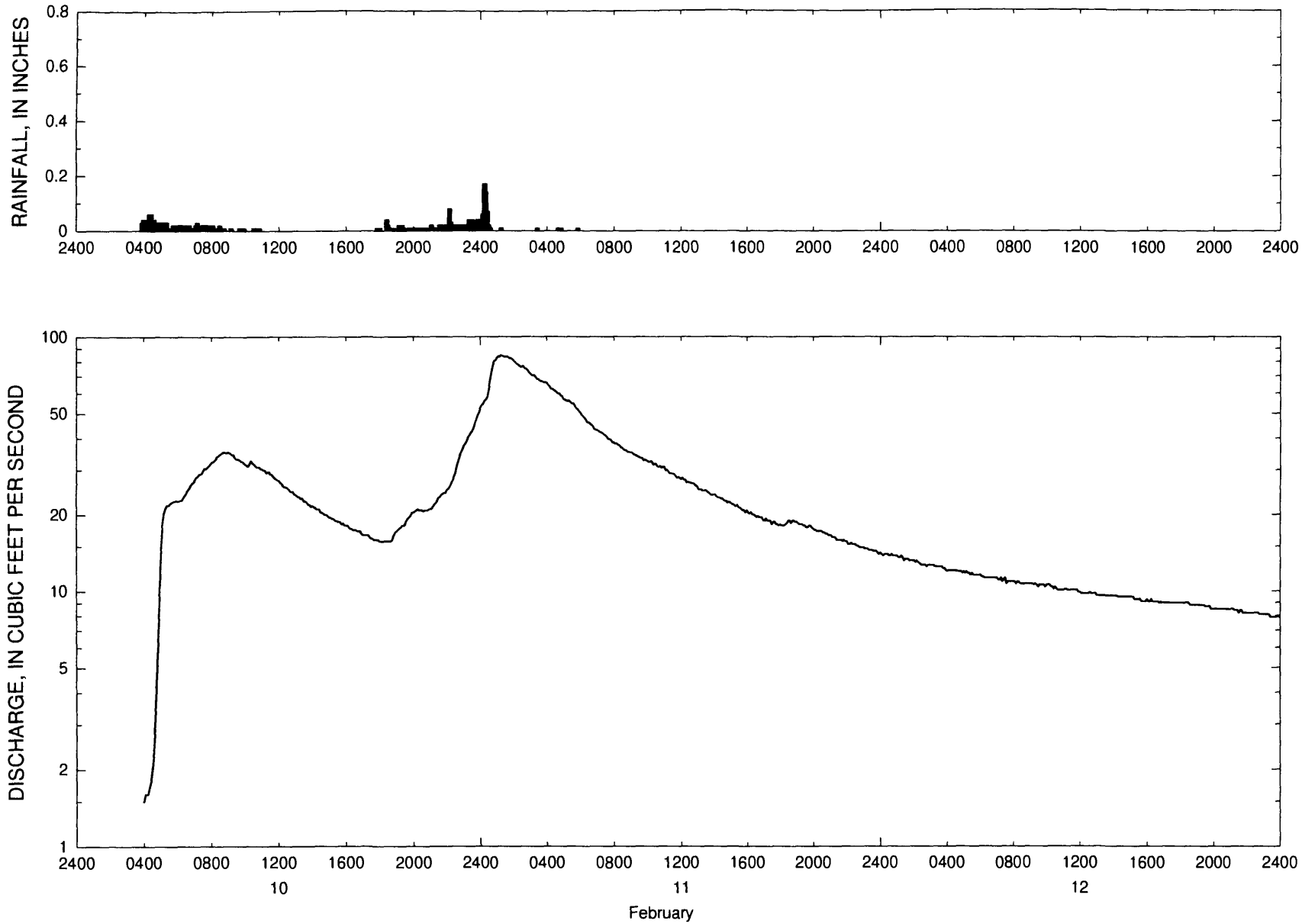


Figure 142.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, February 10-13, 1986.

Table 141.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, February 10-13, 1986

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
February 10, 1986			0915	34.4	0.00	1440	20.2	0.00
0355	1.5	0.03	0920	34.4	0.00	1445	20.0	0.00
0400	1.5	0.04	0925	33.4	0.00	1450	20.0	0.00
0405	1.6	0.03	0930	33.1	0.00	1455	19.8	0.00
0410	1.6	0.02	0935	33.1	0.00	1500	19.5	0.00
0415	1.6	0.03	0940	32.9	0.01	1505	19.5	0.00
0420	1.7	0.06	0945	32.4	0.00	1510	19.3	0.00
0425	1.8	0.06	0950	32.4	0.00	1515	19.3	0.00
0430	2.0	0.04	0955	31.9	0.01	1520	19.1	0.00
0435	2.3	0.04	1000	31.7	0.00	1525	18.9	0.00
0440	3.1	0.02	1005	31.2	0.00	1530	18.9	0.00
0445	4.4	0.02	1010	31.0	0.00	1535	18.7	0.00
0450	6.3	0.02	1015	31.7	0.00	1540	18.7	0.00
0455	9.8	0.03	1020	32.7	0.00	1545	18.3	0.00
0500	14.2	0.03	1025	31.9	0.00	1550	18.5	0.00
0505	18.1	0.01	1030	31.7	0.01	1555	18.1	0.00
0510	20.2	0.03	1035	31.2	0.01	1600	18.1	0.00
0515	21.0	0.01	1040	30.8	0.00	1605	18.1	0.00
0520	21.7	0.03	1045	30.8	0.00	1610	17.8	0.00
0525	21.7	0.01	1050	30.8	0.01	1615	17.6	0.00
0530	21.9	0.01	1055	30.3	0.00	1620	17.6	0.00
0535	22.2	0.01	1100	30.3	0.00	1625	17.4	0.00
0540	22.4	0.01	1105	30.0	0.00	1630	17.4	0.00
0545	22.6	0.02	1110	30.0	0.00	1635	17.4	0.00
0550	22.6	0.01	1115	29.3	0.00	1640	17.2	0.00
0555	22.8	0.02	1120	29.5	0.00	1645	17.2	0.00
0600	22.6	0.02	1125	29.5	0.00	1650	17.2	0.00
0605	22.6	0.02	1130	28.8	0.00	1655	16.8	0.00
0610	22.8	0.02	1135	28.8	0.00	1700	16.6	0.00
0615	22.8	0.02	1140	28.3	0.00	1705	16.6	0.00
0620	23.3	0.02	1145	27.9	0.00	1710	16.6	0.00
0625	23.8	0.01	1150	27.6	0.00	1715	16.6	0.00
0630	24.2	0.02	1155	27.4	0.00	1720	16.6	0.00
0635	24.9	0.01	1200	27.2	0.00	1725	16.3	0.00
0640	25.3	0.02	1205	26.7	0.00	1730	16.1	0.00
0645	26.0	0.01	1210	26.5	0.00	1735	16.1	0.00
0650	26.7	0.01	1215	26.0	0.00	1740	15.9	0.00
0655	26.9	0.00	1220	25.8	0.00	1745	15.9	0.00
0700	27.4	0.01	1225	25.8	0.00	1750	15.9	0.01
0705	28.1	0.02	1230	25.6	0.00	1755	15.9	0.01
0710	28.3	0.03	1235	25.3	0.00	1800	15.7	0.01
0715	28.8	0.01	1240	24.9	0.00	1805	15.7	0.00
0720	29.0	0.01	1245	24.7	0.00	1810	15.7	0.00
0725	29.0	0.02	1250	24.7	0.00	1815	15.7	0.00
0730	29.8	0.02	1255	24.2	0.00	1820	15.7	0.00
0735	30.5	0.01	1300	24.0	0.00	1825	15.7	0.04
0740	30.3	0.02	1305	23.8	0.00	1830	15.7	0.02
0745	30.8	0.01	1310	23.5	0.00	1835	15.7	0.01
0750	31.2	0.02	1315	23.5	0.00	1840	15.7	0.00
0755	31.7	0.02	1320	23.1	0.00	1845	15.9	0.01
0800	32.2	0.02	1325	23.3	0.00	1850	16.6	0.00
0805	32.4	0.02	1330	22.6	0.00	1855	17.0	0.00
0810	32.7	0.01	1335	22.6	0.00	1900	17.2	0.00
0815	33.1	0.01	1340	22.4	0.00	1905	17.4	0.01
0820	33.9	0.01	1345	21.9	0.00	1910	17.6	0.02
0825	34.1	0.01	1350	21.9	0.00	1915	17.8	0.02
0830	34.6	0.02	1355	21.5	0.00	1920	18.1	0.02
0835	34.8	0.01	1400	21.7	0.00	1925	18.1	0.00
0840	35.3	0.00	1405	21.5	0.00	1930	18.3	0.01
0845	35.3	0.01	1410	21.3	0.00	1935	18.9	0.00
0850	35.1	0.00	1415	21.0	0.00	1940	19.3	0.01
0855	35.1	0.00	1420	21.0	0.00	1945	19.5	0.00
0900	35.3	0.00	1425	21.0	0.00	1950	19.8	0.01
0905	35.1	0.00	1430	20.4	0.00	1955	20.4	0.00
0910	34.8	0.01	1435	20.4	0.00	2000	20.4	0.00

Table 141.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, February 10-13, 1986--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
2005	20.6	0.00	0125	83.7	0.00	0650	43.4	0.00
2010	20.8	0.01	0130	83.4	0.00	0655	43.1	0.00
2015	21.0	0.01	0135	83.7	0.00	0700	43.1	0.00
2020	20.8	0.00	0140	83.4	0.00	0705	42.6	0.00
2025	20.8	0.00	0145	82.5	0.00	0710	42.3	0.00
2030	20.8	0.00	0150	82.5	0.00	0715	42.1	0.00
2035	20.6	0.01	0155	81.9	0.00	0720	41.8	0.00
2040	20.8	0.00	0200	80.9	0.00	0725	41.3	0.00
2045	20.8	0.01	0205	80.0	0.00	0730	41.0	0.00
2050	20.8	0.01	0210	78.7	0.00	0735	40.5	0.00
2055	21.0	0.01	0215	78.0	0.00	0740	39.7	0.00
2100	21.0	0.01	0220	77.3	0.00	0745	39.7	0.00
2105	21.0	0.02	0225	76.3	0.00	0750	39.4	0.00
2110	21.5	0.00	0230	76.3	0.00	0755	38.6	0.00
2115	21.9	0.00	0235	76.7	0.00	0800	38.4	0.00
2120	22.2	0.01	0240	75.3	0.00	0805	37.9	0.00
2125	22.6	0.00	0245	75.0	0.00	0810	38.1	0.00
2130	23.3	0.01	0250	74.0	0.00	0815	37.6	0.00
2135	23.5	0.02	0255	72.7	0.00	0820	37.4	0.00
2140	24.0	0.01	0300	71.8	0.00	0825	36.8	0.00
2145	24.2	0.01	0305	70.8	0.00	0830	36.6	0.00
2150	24.4	0.02	0310	70.5	0.00	0835	36.1	0.00
2155	24.4	0.02	0315	70.8	0.00	0840	35.8	0.00
2200	25.1	0.01	0320	69.5	0.00	0845	35.8	0.00
2205	25.3	0.00	0325	68.2	0.01	0850	35.3	0.00
2210	25.8	0.08	0330	68.2	0.00	0855	35.3	0.00
2215	26.7	0.03	0335	67.3	0.00	0900	35.1	0.00
2220	27.4	0.02	0340	67.0	0.00	0905	35.1	0.00
2225	28.3	0.02	0345	66.7	0.00	0910	34.6	0.00
2230	29.3	0.02	0350	66.4	0.00	0915	34.4	0.00
2235	31.2	0.02	0355	66.1	0.00	0920	34.1	0.00
2240	32.7	0.02	0400	66.1	0.00	0925	33.9	0.00
2245	34.1	0.02	0405	64.8	0.00	0930	33.6	0.00
2250	35.3	0.01	0410	63.6	0.00	0935	33.4	0.00
2255	36.1	0.02	0415	62.4	0.00	0940	33.4	0.00
2300	37.4	0.01	0420	62.4	0.00	0945	32.7	0.00
2305	38.1	0.02	0425	61.8	0.00	0950	32.9	0.00
2310	38.9	0.02	0430	61.2	0.00	0955	32.7	0.00
2315	40.5	0.01	0435	60.6	0.00	1000	32.4	0.00
2320	41.0	0.04	0440	59.7	0.01	1005	32.2	0.00
2325	42.1	0.04	0445	60.0	0.01	1010	32.4	0.00
2330	42.6	0.04	0450	58.8	0.01	1015	32.4	0.00
2335	43.9	0.02	0455	58.5	0.00	1020	31.4	0.00
2340	45.8	0.00	0500	57.0	0.00	1025	31.7	0.00
2345	47.5	0.02	0505	56.7	0.00	1030	31.7	0.00
2350	49.2	0.04	0510	56.4	0.00	1035	31.0	0.00
2355	50.6	0.01	0515	55.9	0.00	1040	30.8	0.00
	February 11, 1986		0520	56.2	0.00	1045	31.0	0.00
0000	52.6	0.01	0525	55.3	0.00	1050	30.5	0.00
0005	53.8	0.02	0530	54.7	0.00	1055	30.8	0.00
0010	54.4	0.06	0535	54.7	0.00	1100	30.8	0.00
0015	55.9	0.17	0540	53.8	0.00	1105	29.8	0.00
0020	56.7	0.14	0545	52.3	0.00	1110	30.0	0.00
0025	57.9	0.07	0550	51.8	0.01	1115	29.5	0.00
0030	61.8	0.02	0555	50.9	0.00	1120	29.0	0.00
0035	67.6	0.01	0600	50.3	0.00	1125	29.0	0.00
0040	73.0	0.00	0605	49.2	0.00	1130	29.0	0.00
0045	77.7	0.00	0610	48.6	0.00	1135	28.8	0.00
0050	80.6	0.00	0615	48.0	0.00	1140	28.3	0.00
0055	80.9	0.00	0620	47.2	0.00	1145	27.9	0.00
0100	82.8	0.00	0625	46.1	0.00	1150	28.1	0.00
0105	84.1	0.00	0630	46.1	0.00	1155	27.9	0.00
0110	83.4	0.00	0635	45.5	0.00	1200	27.6	0.00
0115	84.7	0.01	0640	45.0	0.00	1205	27.9	0.00
0120	84.1	0.00	0645	44.5	0.00	1210	27.4	0.00

Table 141.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, February 10-13, 1986--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1215	27.4	0.00	1740	18.7	0.00	2305	14.7	0.00
1220	26.7	0.00	1745	18.3	0.00	2310	14.7	0.00
1225	26.9	0.00	1750	18.3	0.00	2315	14.7	0.00
1230	26.7	0.00	1755	18.1	0.00	2320	14.5	0.00
1235	26.7	0.00	1800	18.3	0.00	2325	14.5	0.00
1240	26.5	0.00	1805	18.1	0.00	2330	14.5	0.00
1245	26.5	0.00	1810	18.1	0.00	2335	14.4	0.00
1250	26.2	0.00	1815	18.1	0.00	2340	14.4	0.00
1255	26.0	0.00	1820	18.3	0.00	2345	14.4	0.00
1300	25.8	0.00	1825	18.5	0.00	2350	14.2	0.00
1305	25.1	0.00	1830	18.9	0.00	2355	14.0	0.00
1310	25.1	0.00	1835	18.9	0.00	February 12, 1986		
1315	25.1	0.00	1840	18.5	0.00	0000	14.2	0.00
1320	24.9	0.00	1845	18.9	0.00	0005	14.0	0.00
1325	24.9	0.00	1850	18.9	0.00	0010	13.8	0.00
1330	24.9	0.00	1855	18.7	0.00	0015	14.0	0.00
1335	24.7	0.00	1900	18.7	0.00	0020	14.0	0.00
1340	24.4	0.00	1905	18.5	0.00	0025	14.0	0.00
1345	24.2	0.00	1910	18.3	0.00	0030	13.8	0.00
1350	23.8	0.00	1915	18.3	0.00	0035	13.8	0.00
1355	23.8	0.00	1920	18.3	0.00	0040	14.0	0.00
1400	24.0	0.00	1925	18.1	0.00	0045	13.8	0.00
1405	24.0	0.00	1930	18.1	0.00	0050	13.8	0.00
1410	23.5	0.00	1935	17.8	0.00	0055	13.8	0.00
1415	23.3	0.00	1940	17.8	0.00	0100	13.8	0.00
1420	23.3	0.00	1945	18.1	0.00	0105	13.6	0.00
1425	23.1	0.00	1950	18.1	0.00	0110	13.6	0.00
1430	23.1	0.00	1955	17.8	0.00	0115	13.8	0.00
1435	22.8	0.00	2000	17.6	0.00	0120	13.6	0.00
1440	22.6	0.00	2005	17.4	0.00	0125	13.2	0.00
1445	22.6	0.00	2010	17.4	0.00	0130	13.4	0.00
1450	22.2	0.00	2015	17.2	0.00	0135	13.4	0.00
1455	22.4	0.00	2020	17.2	0.00	0140	13.4	0.00
1500	22.2	0.00	2025	17.2	0.00	0145	13.2	0.00
1505	21.9	0.00	2030	17.2	0.00	0150	13.2	0.00
1510	21.9	0.00	2035	17.0	0.00	0155	13.2	0.00
1515	21.7	0.00	2040	17.0	0.00	0200	13.2	0.00
1520	21.5	0.00	2045	16.8	0.00	0205	13.0	0.00
1525	21.7	0.00	2050	16.8	0.00	0210	13.2	0.00
1530	21.3	0.00	2055	16.6	0.00	0215	13.0	0.00
1535	21.3	0.00	2100	16.6	0.00	0220	12.9	0.00
1540	21.0	0.00	2105	16.6	0.00	0225	12.7	0.00
1545	20.8	0.00	2110	16.3	0.00	0230	12.7	0.00
1550	20.8	0.00	2115	16.3	0.00	0235	12.7	0.00
1555	20.4	0.00	2120	16.3	0.00	0240	12.7	0.00
1600	20.8	0.00	2125	15.9	0.00	0245	12.5	0.00
1605	20.4	0.00	2130	15.9	0.00	0250	12.7	0.00
1610	20.2	0.00	2135	15.9	0.00	0255	12.7	0.00
1615	20.4	0.00	2140	15.9	0.00	0300	12.7	0.00
1620	20.0	0.00	2145	15.7	0.00	0305	12.7	0.00
1625	20.0	0.00	2150	15.9	0.00	0310	12.7	0.00
1630	19.8	0.00	2155	15.7	0.00	0315	12.5	0.00
1635	19.5	0.00	2200	15.7	0.00	0320	12.5	0.00
1640	19.8	0.00	2205	15.3	0.00	0325	12.5	0.00
1645	19.5	0.00	2210	15.3	0.00	0330	12.5	0.00
1650	19.5	0.00	2215	15.5	0.00	0335	12.5	0.00
1655	19.5	0.00	2220	15.3	0.00	0340	12.5	0.00
1700	18.9	0.00	2225	15.3	0.00	0345	12.3	0.00
1705	18.9	0.00	2230	15.3	0.00	0350	12.3	0.00
1710	19.3	0.00	2235	15.1	0.00	0355	12.1	0.00
1715	18.9	0.00	2240	15.1	0.00	0400	12.0	0.00
1720	18.9	0.00	2245	14.9	0.00	0405	12.1	0.00
1725	18.9	0.00	2250	14.9	0.00	0410	12.1	0.00
1730	18.3	0.00	2255	14.9	0.00	0415	12.1	0.00
1735	18.7	0.00	2300	14.9	0.00	0420	12.1	0.00

Table 141.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, February 10-13, 1986--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
0425	12.1	0.00	0950	10.6	0.00	1515	9.3	0.00
0430	12.1	0.00	0955	10.4	0.00	1520	9.3	0.00
0435	12.0	0.00	1000	10.6	0.00	1525	9.3	0.00
0440	12.0	0.00	1005	10.6	0.00	1530	9.3	0.00
0445	12.0	0.00	1010	10.6	0.00	1535	9.3	0.00
0450	12.0	0.00	1015	10.4	0.00	1540	9.1	0.00
0455	11.8	0.00	1020	10.4	0.00	1545	9.1	0.00
0500	12.0	0.00	1025	10.2	0.00	1550	9.1	0.00
0505	11.8	0.00	1030	10.4	0.00	1555	9.1	0.00
0510	12.0	0.00	1035	10.2	0.00	1600	9.3	0.00
0515	11.8	0.00	1040	10.1	0.00	1605	9.1	0.00
0520	11.8	0.00	1045	10.1	0.00	1610	9.1	0.00
0525	11.6	0.00	1050	10.1	0.00	1615	9.3	0.00
0530	11.8	0.00	1055	10.1	0.00	1620	9.1	0.00
0535	11.6	0.00	1100	10.1	0.00	1625	9.1	0.00
0540	11.6	0.00	1105	10.2	0.00	1630	9.1	0.00
0545	11.6	0.00	1110	10.2	0.00	1635	9.1	0.00
0550	11.6	0.00	1115	10.1	0.00	1640	9.1	0.00
0555	11.6	0.00	1120	10.1	0.00	1645	9.0	0.00
0600	11.6	0.00	1125	10.1	0.00	1650	9.1	0.00
0605	11.4	0.00	1130	10.1	0.00	1655	9.0	0.00
0610	11.4	0.00	1135	10.1	0.00	1700	9.0	0.00
0615	11.3	0.00	1140	10.1	0.00	1705	9.0	0.00
0620	11.3	0.00	1145	10.1	0.00	1710	9.0	0.00
0625	11.3	0.00	1150	10.1	0.00	1715	9.0	0.00
0630	11.3	0.00	1155	9.9	0.00	1720	9.0	0.00
0635	11.3	0.00	1200	9.9	0.00	1725	9.0	0.00
0640	11.3	0.00	1205	9.8	0.00	1730	9.0	0.00
0645	11.3	0.00	1210	9.8	0.00	1735	9.0	0.00
0650	11.3	0.00	1215	9.8	0.00	1740	9.0	0.00
0655	11.3	0.00	1220	9.8	0.00	1745	9.0	0.00
0700	11.3	0.00	1225	9.8	0.00	1750	9.0	0.00
0705	11.1	0.00	1230	9.8	0.00	1755	9.0	0.00
0710	11.1	0.00	1235	9.9	0.00	1800	9.0	0.00
0715	11.3	0.00	1240	9.8	0.00	1805	9.0	0.00
0720	10.9	0.00	1245	9.8	0.00	1810	9.0	0.00
0725	11.1	0.00	1250	9.8	0.00	1815	9.0	0.00
0730	11.3	0.00	1255	9.8	0.00	1820	9.0	0.00
0735	10.7	0.00	1300	9.6	0.00	1825	9.0	0.00
0740	10.9	0.00	1305	9.6	0.00	1830	9.0	0.00
0745	10.9	0.00	1310	9.6	0.00	1835	8.8	0.00
0750	10.9	0.00	1315	9.6	0.00	1840	8.8	0.00
0755	10.9	0.00	1320	9.6	0.00	1845	8.8	0.00
0800	10.9	0.00	1325	9.6	0.00	1850	8.8	0.00
0805	10.9	0.00	1330	9.6	0.00	1855	8.8	0.00
0810	10.7	0.00	1335	9.6	0.00	1900	8.8	0.00
0815	10.9	0.00	1340	9.6	0.00	1905	8.8	0.00
0820	10.9	0.00	1345	9.6	0.00	1910	8.8	0.00
0825	10.7	0.00	1350	9.6	0.00	1915	8.8	0.00
0830	10.7	0.00	1355	9.6	0.00	1920	8.8	0.00
0835	10.7	0.00	1400	9.6	0.00	1925	8.8	0.00
0840	10.7	0.00	1405	9.6	0.00	1930	8.7	0.00
0845	10.7	0.00	1410	9.6	0.00	1935	8.7	0.00
0850	10.7	0.00	1415	9.5	0.00	1940	8.7	0.00
0855	10.7	0.00	1420	9.5	0.00	1945	8.7	0.00
0900	10.7	0.00	1425	9.5	0.00	1950	8.5	0.00
0905	10.7	0.00	1430	9.5	0.00	1955	8.5	0.00
0910	10.7	0.00	1435	9.5	0.00	2000	8.5	0.00
0915	10.6	0.00	1440	9.5	0.00	2005	8.5	0.00
0920	10.7	0.00	1445	9.5	0.00	2010	8.5	0.00
0925	10.6	0.00	1450	9.5	0.00	2015	8.5	0.00
0930	10.4	0.00	1455	9.5	0.00	2020	8.5	0.00
0935	10.6	0.00	1500	9.5	0.00	2025	8.5	0.00
0940	10.6	0.00	1505	9.5	0.00	2030	8.5	0.00
0945	10.6	0.00	1510	9.5	0.00	2035	8.5	0.00

Table 141.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, February 10-13, 1986--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
2040	8.5	0.00	2155	8.2	0.00	2310	8.1	0.00
2045	8.5	0.00	2200	8.2	0.00	2315	8.1	0.00
2050	8.5	0.00	2205	8.2	0.00	2320	8.1	0.00
2055	8.5	0.00	2210	8.2	0.00	2325	7.9	0.00
2100	8.5	0.00	2215	8.2	0.00	2330	7.9	0.00
2105	8.5	0.00	2220	8.2	0.00	2335	7.9	0.00
2110	8.5	0.00	2225	8.2	0.00	2340	7.9	0.00
2115	8.4	0.00	2230	8.2	0.00	2345	7.9	0.00
2120	8.4	0.00	2235	8.2	0.00	2350	7.9	0.00
2125	8.4	0.00	2240	8.2	0.00	2355	7.9	0.00
2130	8.2	0.00	2245	8.1	0.00	February 13, 1986		
2135	8.4	0.00	2250	8.1	0.00	0000	7.9	0.00
2140	8.4	0.00	2255	8.1	0.00			
2145	8.2	0.00	2300	8.1	0.00			
2150	8.2	0.00	2305	8.1	0.00			

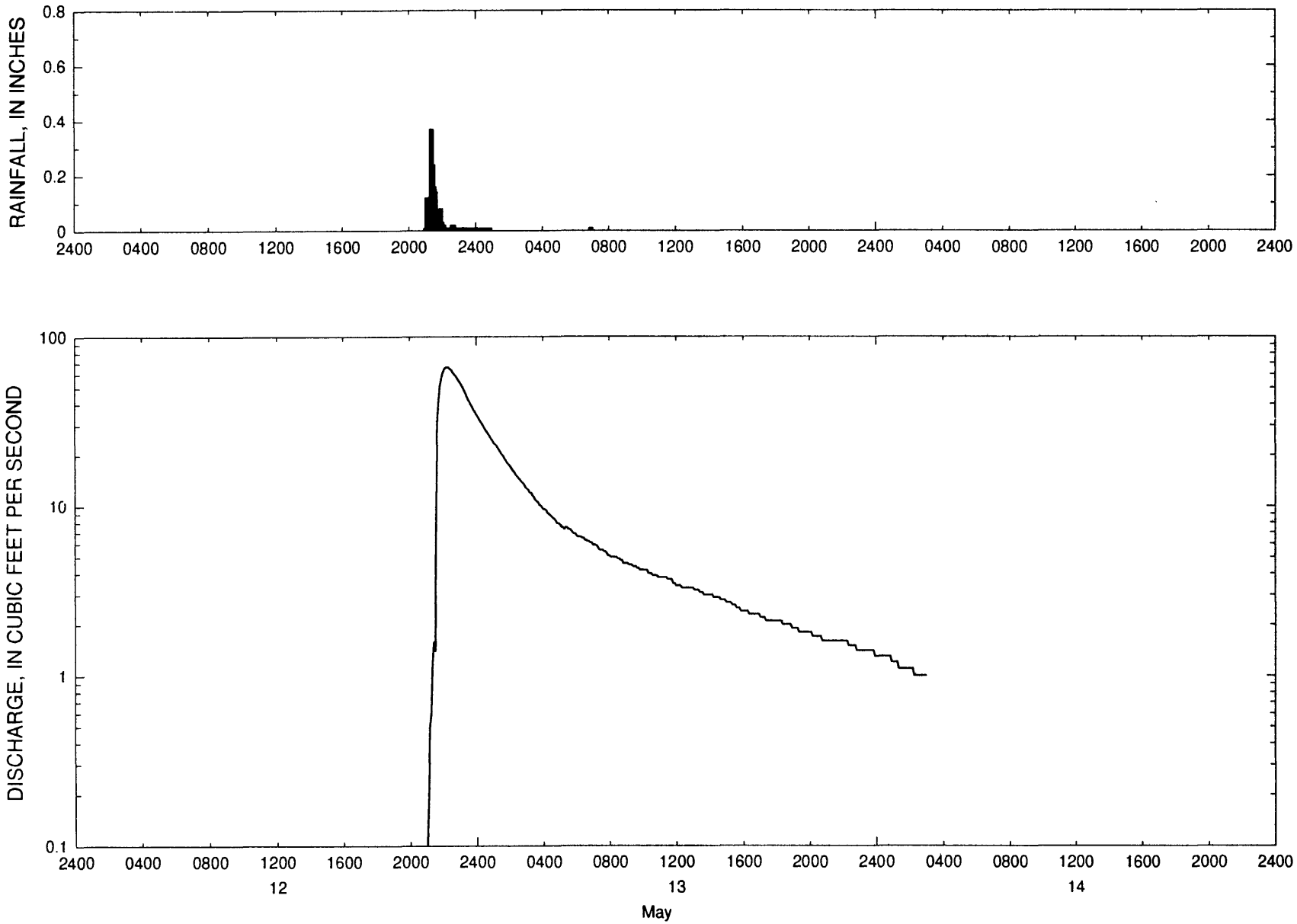


Figure 143.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, May 12-14, 1986.

Table 142.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, May 12-14, 1986

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
May 12, 1986			0215	15.9	0.00	0740	5.4	0.00
2100	0.1	0.01	0220	15.3	0.00	0745	5.4	0.00
2105	0.2	0.12	0225	15.1	0.00	0750	5.3	0.00
2110	0.5	0.06	0230	14.7	0.00	0755	5.1	0.00
2115	0.6	0.11	0235	14.4	0.00	0800	5.1	0.00
2120	1.2	0.37	0240	14.0	0.00	0805	5.0	0.00
2125	1.6	0.24	0245	13.8	0.00	0810	5.0	0.00
2130	1.4	0.16	0250	13.4	0.00	0815	5.0	0.00
2135	9.9	0.14	0255	13.0	0.00	0820	5.0	0.00
2140	31.2	0.07	0300	12.7	0.00	0825	5.0	0.00
2145	42.3	0.04	0305	12.5	0.00	0830	4.9	0.00
2150	51.2	0.04	0310	12.0	0.00	0835	4.9	0.00
2155	57.0	0.08	0315	12.0	0.00	0840	4.8	0.00
2200	61.2	0.03	0320	11.6	0.00	0845	4.8	0.00
2205	64.2	0.02	0325	11.3	0.00	0850	4.6	0.00
2210	66.1	0.01	0330	10.9	0.00	0855	4.6	0.00
2215	66.4	0.01	0335	10.7	0.00	0900	4.6	0.00
2220	66.1	0.01	0340	10.6	0.00	0905	4.6	0.00
2225	64.8	0.01	0345	10.2	0.00	0910	4.5	0.00
2230	63.6	0.01	0350	10.1	0.00	0915	4.5	0.00
2235	61.8	0.02	0355	9.9	0.00	0920	4.5	0.00
2240	60.0	0.02	0400	9.6	0.00	0925	4.4	0.00
2245	58.8	0.01	0405	9.6	0.00	0930	4.4	0.00
2250	57.3	0.01	0410	9.5	0.00	0935	4.4	0.00
2255	55.6	0.01	0415	9.1	0.00	0940	4.3	0.00
2300	54.1	0.01	0420	9.0	0.00	0945	4.3	0.00
2305	52.3	0.00	0425	8.8	0.00	0950	4.2	0.00
2310	50.6	0.01	0430	8.7	0.00	0955	4.2	0.00
2315	48.6	0.00	0435	8.5	0.00	1000	4.2	0.00
2320	46.7	0.01	0440	8.4	0.00	1005	4.2	0.00
2325	44.5	0.01	0445	8.2	0.00	1010	4.2	0.00
2330	42.8	0.00	0450	7.9	0.00	1015	4.2	0.00
2335	41.3	0.01	0455	7.9	0.00	1020	4.0	0.00
2340	39.9	0.00	0500	7.8	0.00	1025	4.0	0.00
2345	38.6	0.01	0505	7.5	0.00	1030	4.0	0.00
2350	37.1	0.00	0510	7.5	0.00	1035	3.9	0.00
2355	36.1	0.00	0515	7.3	0.00	1040	3.9	0.00
May 13, 1986			0520	7.5	0.00	1045	3.9	0.00
0000	34.8	0.01	0525	7.5	0.00	1050	3.9	0.00
0005	33.9	0.00	0530	7.3	0.00	1055	3.8	0.00
0010	32.7	0.00	0535	7.3	0.00	1100	3.8	0.00
0015	31.7	0.00	0540	7.2	0.00	1105	3.8	0.00
0020	30.8	0.01	0545	7.0	0.00	1110	3.8	0.00
0025	29.8	0.00	0550	6.9	0.00	1115	3.8	0.00
0030	28.8	0.00	0555	6.9	0.00	1120	3.8	0.00
0035	27.9	0.01	0600	6.7	0.00	1125	3.8	0.00
0040	27.2	0.00	0605	6.6	0.00	1130	3.7	0.00
0045	26.5	0.00	0610	6.6	0.00	1135	3.7	0.00
0050	25.6	0.01	0615	6.6	0.00	1140	3.7	0.00
0055	24.9	0.00	0620	6.5	0.00	1145	3.7	0.00
0100	24.2	0.00	0625	6.5	0.00	1150	3.5	0.00
0105	23.5	0.00	0630	6.3	0.00	1155	3.5	0.00
0110	23.1	0.00	0635	6.3	0.00	1200	3.4	0.00
0115	22.4	0.00	0640	6.2	0.00	1205	3.4	0.00
0120	21.7	0.00	0645	6.2	0.00	1210	3.4	0.00
0125	21.0	0.00	0650	6.1	0.00	1215	3.4	0.00
0130	20.4	0.00	0655	6.1	0.01	1220	3.3	0.00
0135	20.0	0.00	0700	5.9	0.00	1225	3.3	0.00
0140	19.3	0.00	0705	5.9	0.00	1230	3.3	0.00
0145	18.7	0.00	0710	5.9	0.00	1235	3.3	0.00
0150	18.1	0.00	0715	5.8	0.00	1240	3.3	0.00
0155	17.8	0.00	0720	5.6	0.00	1245	3.3	0.00
0200	17.4	0.00	0725	5.5	0.00	1250	3.3	0.00
0205	16.8	0.00	0730	5.5	0.00	1255	3.3	0.00
0210	16.3	0.00	0735	5.5	0.00	1300	3.3	0.00

Table 142.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, May 12-14, 1986--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1305	3.2	0.00	1750	2.1	0.00	2235	1.5	0.00
1310	3.2	0.00	1755	2.1	0.00	2240	1.5	0.00
1315	3.2	0.00	1800	2.1	0.00	2245	1.5	0.00
1320	3.2	0.00	1805	2.1	0.00	2250	1.4	0.00
1325	3.1	0.00	1810	2.1	0.00	2255	1.4	0.00
1330	3.1	0.00	1815	2.1	0.00	2300	1.4	0.00
1335	3.1	0.00	1820	2.0	0.00	2305	1.4	0.00
1340	3.0	0.00	1825	2.0	0.00	2310	1.4	0.00
1345	3.0	0.00	1830	2.0	0.00	2315	1.4	0.00
1350	3.0	0.00	1835	2.0	0.00	2320	1.4	0.00
1355	3.0	0.00	1840	2.0	0.00	2325	1.4	0.00
1400	3.0	0.00	1845	2.0	0.00	2330	1.4	0.00
1405	3.0	0.00	1850	2.0	0.00	2335	1.4	0.00
1410	3.0	0.00	1855	1.9	0.00	2340	1.4	0.00
1415	2.9	0.00	1900	1.9	0.00	2345	1.4	0.00
1420	2.9	0.00	1905	1.9	0.00	2350	1.4	0.00
1425	2.9	0.00	1910	1.9	0.00	2355	1.3	0.00
1430	2.9	0.00	1915	1.9	0.00	May 14, 1986		
1435	2.9	0.00	1920	1.8	0.00	0000	1.3	0.00
1440	2.8	0.00	1925	1.8	0.00	0005	1.3	0.00
1445	2.8	0.00	1930	1.8	0.00	0010	1.3	0.00
1450	2.8	0.00	1935	1.8	0.00	0015	1.3	0.00
1455	2.8	0.00	1940	1.8	0.00	0020	1.3	0.00
1500	2.7	0.00	1945	1.8	0.00	0025	1.3	0.00
1505	2.7	0.00	1950	1.8	0.00	0030	1.3	0.00
1510	2.7	0.00	1955	1.8	0.00	0035	1.3	0.00
1515	2.7	0.00	2000	1.8	0.00	0040	1.3	0.00
1520	2.6	0.00	2005	1.8	0.00	0045	1.3	0.00
1525	2.6	0.00	2010	1.7	0.00	0050	1.3	0.00
1530	2.6	0.00	2015	1.7	0.00	0055	1.2	0.00
1535	2.5	0.00	2020	1.7	0.00	0100	1.2	0.00
1540	2.5	0.00	2025	1.7	0.00	0105	1.2	0.00
1545	2.5	0.00	2030	1.7	0.00	0110	1.2	0.00
1550	2.4	0.00	2035	1.7	0.00	0115	1.2	0.00
1555	2.4	0.00	2040	1.7	0.00	0120	1.1	0.00
1600	2.4	0.00	2045	1.6	0.00	0125	1.1	0.00
1605	2.4	0.00	2050	1.6	0.00	0130	1.1	0.00
1610	2.4	0.00	2055	1.6	0.00	0135	1.1	0.00
1615	2.4	0.00	2100	1.6	0.00	0140	1.1	0.00
1620	2.3	0.00	2105	1.6	0.00	0145	1.1	0.00
1625	2.3	0.00	2110	1.6	0.00	0150	1.1	0.00
1630	2.3	0.00	2115	1.6	0.00	0155	1.1	0.00
1635	2.3	0.00	2120	1.6	0.00	0200	1.1	0.00
1640	2.3	0.00	2125	1.6	0.00	0205	1.1	0.00
1645	2.3	0.00	2130	1.6	0.00	0210	1.1	0.00
1650	2.3	0.00	2135	1.6	0.00	0215	1.0	0.00
1655	2.3	0.00	2140	1.6	0.00	0220	1.0	0.00
1700	2.2	0.00	2145	1.6	0.00	0225	1.0	0.00
1705	2.2	0.00	2150	1.6	0.00	0230	1.0	0.00
1710	2.2	0.00	2155	1.6	0.00	0235	1.0	0.00
1715	2.2	0.00	2200	1.6	0.00	0240	1.0	0.00
1720	2.1	0.00	2205	1.6	0.00	0245	1.0	0.00
1725	2.1	0.00	2210	1.6	0.00	0250	1.0	0.00
1730	2.1	0.00	2215	1.6	0.00	0255	1.0	0.00
1735	2.1	0.00	2220	1.5	0.00	0300	1.0	0.00
1740	2.1	0.00	2225	1.5	0.00			
1745	2.1	0.00	2230	1.5	0.00			

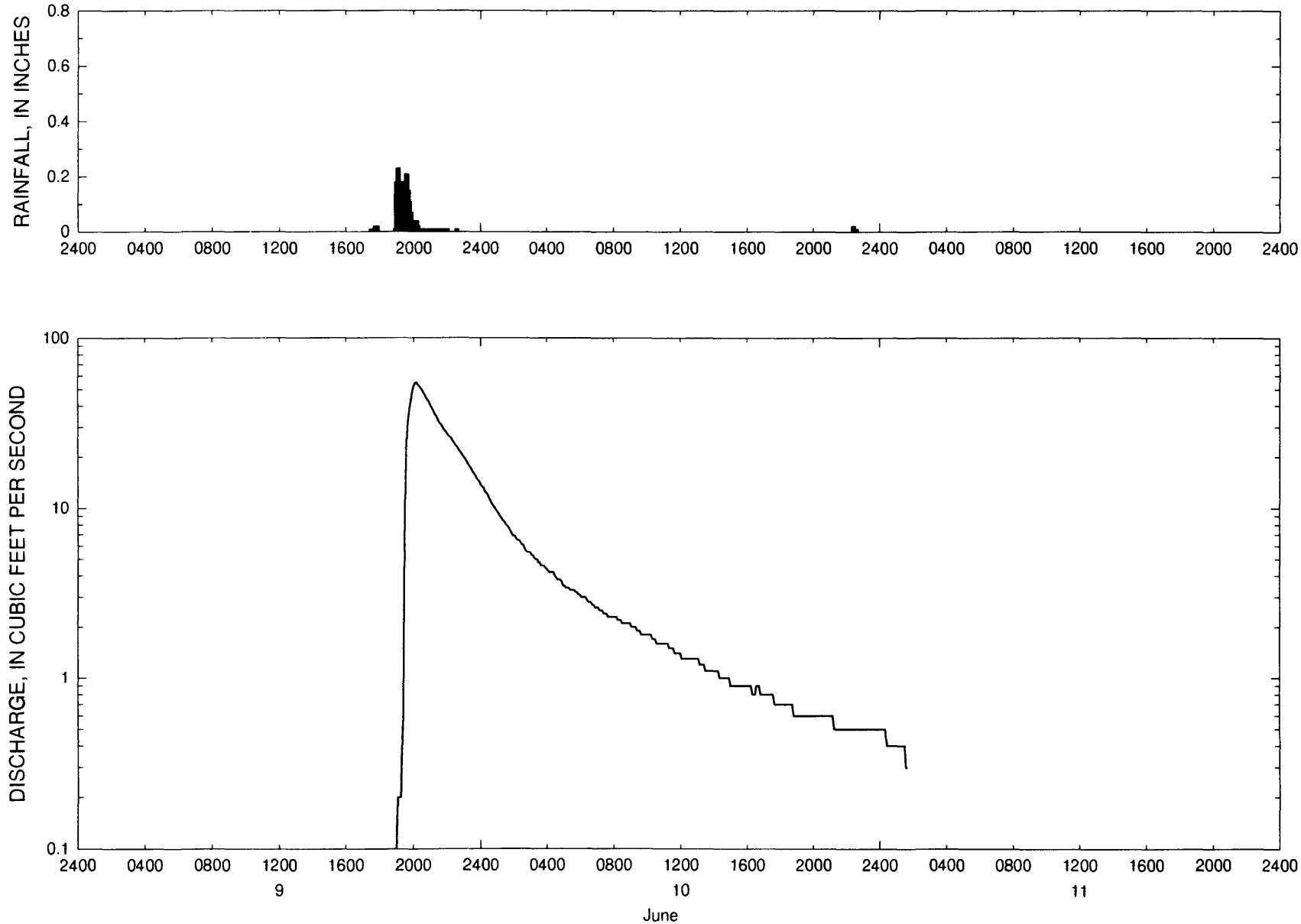


Figure 144.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, June 9-11, 1986.

Table 143.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, June 9-11, 1986

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 9, 1986			2250	21.3	0.00	0410	4.2	0.00
1730	0.1	0.01	2255	20.6	0.00	0415	4.2	0.00
1735	0.1	0.00	2300	20.1	0.00	0420	4.2	0.00
1740	0.1	0.00	2305	19.5	0.00	0425	4.2	0.00
1745	0.1	0.02	2310	18.9	0.00	0430	4.0	0.00
1750	0.1	0.02	2315	18.1	0.00	0435	3.9	0.00
1755	0.1	0.00	2320	17.6	0.00	0440	3.8	0.00
1800	0.1	0.00	2325	17.2	0.00	0445	3.8	0.00
1805	0.1	0.00	2330	16.6	0.00	0450	3.8	0.00
1810	0.1	0.00	2335	16.1	0.00	0455	3.7	0.00
1815	0.1	0.00	2340	15.7	0.00	0500	3.5	0.00
1820	0.1	0.00	2345	15.1	0.00	0505	3.5	0.00
1825	0.1	0.00	2350	14.7	0.00	0510	3.4	0.00
1830	0.1	0.00	2355	14.4	0.00	0515	3.4	0.00
1835	0.1	0.00	June 10, 1986			0520	3.4	0.00
1840	0.1	0.00	0000	13.8	0.00	0525	3.3	0.00
1845	0.1	0.00	0005	13.4	0.00	0530	3.3	0.00
1850	0.1	0.00	0010	13.2	0.00	0535	3.3	0.00
1855	0.1	0.01	0015	12.5	0.00	0540	3.3	0.00
1900	0.1	0.18	0020	12.3	0.00	0545	3.2	0.00
1905	0.2	0.23	0025	12.0	0.00	0550	3.2	0.00
1910	0.2	0.04	0030	11.4	0.00	0555	3.1	0.00
1915	0.2	0.02	0035	11.1	0.00	0600	3.1	0.00
1920	0.4	0.12	0040	10.7	0.00	0605	3.0	0.00
1925	0.6	0.18	0045	10.4	0.00	0610	3.0	0.00
1930	9.5	0.14	0050	10.1	0.00	0615	3.0	0.00
1935	24.9	0.21	0055	9.8	0.00	0620	3.0	0.00
1940	32.7	0.15	0100	9.6	0.00	0625	2.9	0.00
1945	38.4	0.11	0105	9.3	0.00	0630	2.8	0.00
1950	42.8	0.07	0110	9.0	0.00	0635	2.8	0.00
1955	48.6	0.04	0115	8.8	0.00	0640	2.8	0.00
2000	52.1	0.02	0120	8.5	0.00	0645	2.7	0.00
2005	54.4	0.01	0125	8.4	0.00	0650	2.7	0.00
2010	55.0	0.04	0130	8.1	0.00	0655	2.6	0.00
2015	53.2	0.02	0135	7.9	0.00	0700	2.6	0.00
2020	52.1	0.01	0140	7.8	0.00	0705	2.6	0.00
2025	50.9	0.01	0145	7.5	0.00	0710	2.5	0.00
2030	49.7	0.01	0150	7.3	0.00	0715	2.5	0.00
2035	47.8	0.01	0155	7.0	0.00	0720	2.5	0.00
2040	46.4	0.00	0200	6.9	0.00	0725	2.4	0.00
2045	44.7	0.00	0205	6.9	0.00	0730	2.4	0.00
2050	43.4	0.00	0210	6.6	0.00	0735	2.4	0.00
2055	42.1	0.01	0215	6.5	0.00	0740	2.3	0.00
2100	40.2	0.00	0220	6.5	0.00	0745	2.3	0.00
2105	38.9	0.00	0225	6.3	0.00	0750	2.3	0.00
2110	37.6	0.01	0230	6.1	0.00	0755	2.3	0.00
2115	35.8	0.01	0235	6.1	0.00	0800	2.3	0.00
2120	35.1	0.01	0240	5.8	0.00	0805	2.3	0.00
2125	33.6	0.00	0245	5.6	0.00	0810	2.3	0.00
2130	32.2	0.01	0250	5.5	0.00	0815	2.2	0.00
2135	31.5	0.01	0255	5.5	0.00	0820	2.2	0.00
2140	30.8	0.00	0300	5.5	0.00	0825	2.2	0.00
2145	29.8	0.01	0305	5.3	0.00	0830	2.1	0.00
2150	28.8	0.00	0310	5.3	0.00	0835	2.1	0.00
2155	28.3	0.00	0315	5.1	0.00	0840	2.1	0.00
2200	27.4	0.01	0320	5.0	0.00	0845	2.1	0.00
2205	26.7	0.00	0325	5.0	0.00	0850	2.1	0.00
2210	26.2	0.00	0330	4.8	0.00	0855	2.1	0.00
2215	25.6	0.00	0335	4.8	0.00	0900	2.1	0.00
2220	24.9	0.00	0340	4.6	0.00	0905	2.0	0.00
2225	24.2	0.00	0345	4.6	0.00	0910	2.0	0.00
2230	23.5	0.00	0350	4.6	0.00	0915	2.0	0.00
2235	23.1	0.01	0355	4.5	0.00	0920	2.0	0.00
2240	22.4	0.00	0400	4.4	0.00	0925	1.9	0.00
2245	21.7	0.00	0405	4.3	0.00	0930	1.9	0.00

Table 143.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, June 9-11, 1986--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0935	1.9	0.00	1500	0.9	0.00	2025	0.6	0.00
0940	1.8	0.00	1505	0.9	0.00	2030	0.6	0.00
0945	1.8	0.00	1510	0.9	0.00	2035	0.6	0.00
0950	1.8	0.00	1515	0.9	0.00	2040	0.6	0.00
0955	1.8	0.00	1520	0.9	0.00	2045	0.6	0.00
1000	1.8	0.00	1525	0.9	0.00	2050	0.6	0.00
1005	1.8	0.00	1530	0.9	0.00	2055	0.6	0.00
1010	1.8	0.00	1535	0.9	0.00	2100	0.6	0.00
1015	1.8	0.00	1540	0.9	0.00	2105	0.6	0.00
1020	1.7	0.00	1545	0.9	0.00	2110	0.6	0.00
1025	1.7	0.00	1550	0.9	0.00	2115	0.5	0.00
1030	1.7	0.00	1555	0.9	0.00	2120	0.5	0.00
1035	1.6	0.00	1600	0.9	0.00	2125	0.5	0.00
1040	1.6	0.00	1605	0.9	0.00	2130	0.5	0.00
1045	1.6	0.00	1610	0.9	0.00	2135	0.5	0.00
1050	1.6	0.00	1615	0.9	0.00	2140	0.5	0.00
1055	1.6	0.00	1620	0.8	0.00	2145	0.5	0.00
1100	1.6	0.00	1625	0.8	0.00	2150	0.5	0.00
1105	1.6	0.00	1630	0.8	0.00	2155	0.5	0.00
1110	1.6	0.00	1635	0.9	0.00	2200	0.5	0.00
1115	1.6	0.00	1640	0.9	0.00	2205	0.5	0.00
1120	1.5	0.00	1645	0.9	0.00	2210	0.5	0.00
1125	1.5	0.00	1650	0.8	0.00	2215	0.5	0.00
1130	1.5	0.00	1655	0.8	0.00	2220	0.5	0.00
1135	1.5	0.00	1700	0.8	0.00	2225	0.5	0.02
1140	1.4	0.00	1705	0.8	0.00	2230	0.5	0.01
1145	1.4	0.00	1710	0.8	0.00	2235	0.5	0.01
1150	1.4	0.00	1715	0.8	0.00	2240	0.5	0.00
1155	1.4	0.00	1720	0.8	0.00	2245	0.5	0.00
1200	1.4	0.00	1725	0.8	0.00	2250	0.5	0.00
1205	1.3	0.00	1730	0.8	0.00	2255	0.5	0.00
1210	1.3	0.00	1735	0.8	0.00	2300	0.5	0.00
1215	1.3	0.00	1740	0.7	0.00	2305	0.5	0.00
1220	1.3	0.00	1745	0.7	0.00	2310	0.5	0.00
1225	1.3	0.00	1750	0.7	0.00	2315	0.5	0.00
1230	1.3	0.00	1755	0.7	0.00	2320	0.5	0.00
1235	1.3	0.00	1800	0.7	0.00	2325	0.5	0.00
1240	1.3	0.00	1805	0.7	0.00	2330	0.5	0.00
1245	1.3	0.00	1810	0.7	0.00	2335	0.5	0.00
1250	1.3	0.00	1815	0.7	0.00	2340	0.5	0.00
1255	1.3	0.00	1820	0.7	0.00	2345	0.5	0.00
1300	1.3	0.00	1825	0.7	0.00	2350	0.5	0.00
1305	1.3	0.00	1830	0.7	0.00	2355	0.5	0.00
1310	1.2	0.00	1835	0.7	0.00	June 11, 1986		
1315	1.2	0.00	1840	0.7	0.00	0000	0.5	0.00
1320	1.2	0.00	1845	0.7	0.00	0005	0.5	0.00
1325	1.2	0.00	1850	0.6	0.00	0010	0.5	0.00
1330	1.1	0.00	1855	0.6	0.00	0015	0.5	0.00
1335	1.1	0.00	1900	0.6	0.00	0020	0.5	0.00
1340	1.1	0.00	1905	0.6	0.00	0025	0.4	0.00
1345	1.1	0.00	1910	0.6	0.00	0030	0.4	0.00
1350	1.1	0.00	1915	0.6	0.00	0035	0.4	0.00
1355	1.1	0.00	1920	0.6	0.00	0040	0.4	0.00
1400	1.1	0.00	1925	0.6	0.00	0045	0.4	0.00
1405	1.1	0.00	1930	0.6	0.00	0050	0.4	0.00
1410	1.1	0.00	1935	0.6	0.00	0055	0.4	0.00
1415	1.1	0.00	1940	0.6	0.00	0100	0.4	0.00
1420	1.0	0.00	1945	0.6	0.00	0105	0.4	0.00
1425	1.0	0.00	1950	0.6	0.00	0110	0.4	0.00
1430	1.0	0.00	1955	0.6	0.00	0115	0.4	0.00
1435	1.0	0.00	2000	0.6	0.00	0120	0.4	0.00
1440	1.0	0.00	2005	0.6	0.00	0125	0.4	0.00
1445	1.0	0.00	2010	0.6	0.00	0130	0.4	0.00
1450	1.0	0.00	2015	0.6	0.00	0135	0.3	0.00
1455	1.0	0.00	2020	0.6	0.00	0140	0.3	0.00

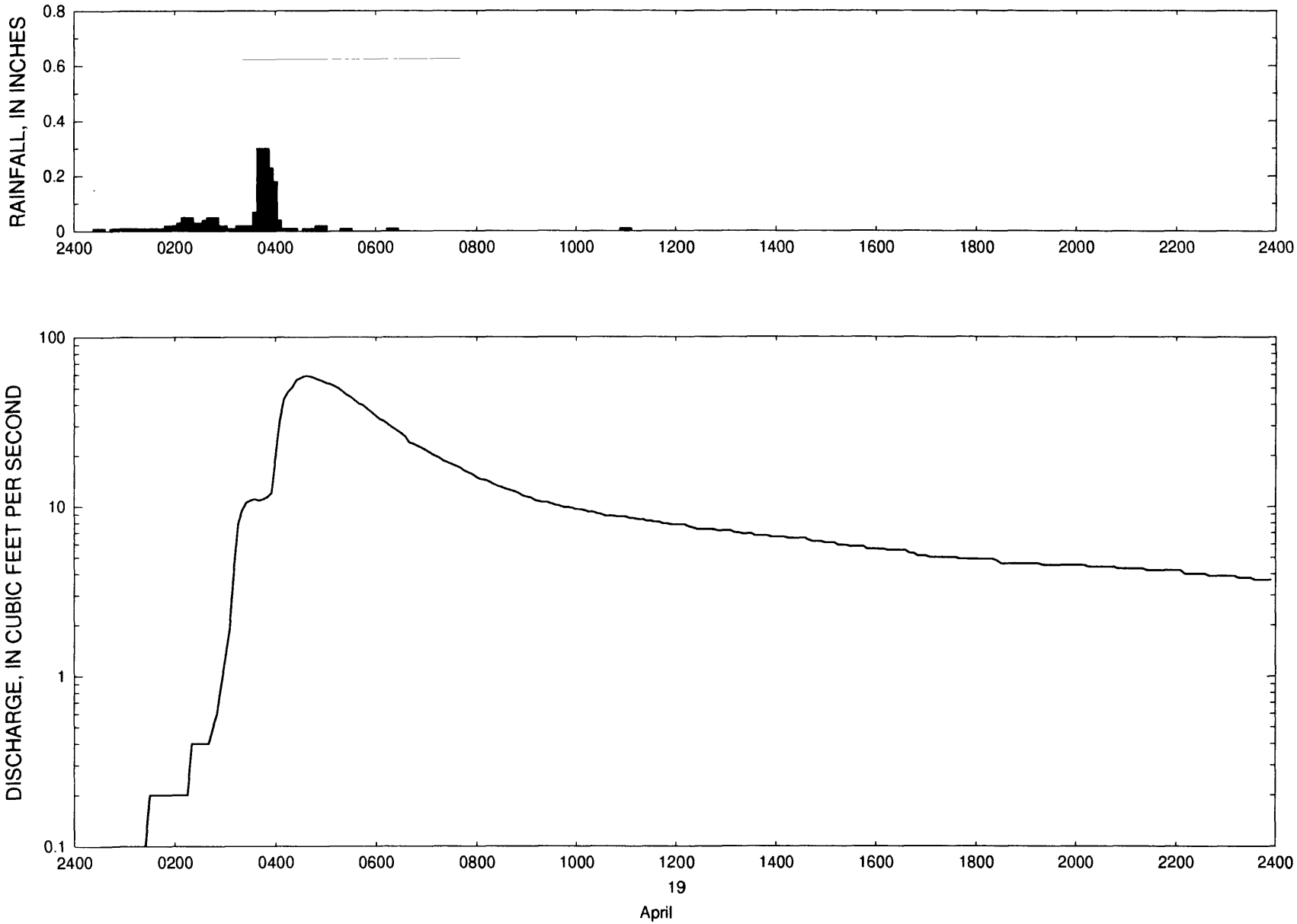


Figure 145.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, April 19, 1988.

Table 144.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, April 19, 1988

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
April 19, 1988			0550	37.9	0.00	1115	8.4	0.00
0030	0.1	0.01	0555	36.1	0.00	1120	8.4	0.00
0035	0.1	0.00	0600	34.4	0.00	1125	8.2	0.00
0040	0.1	0.00	0605	32.9	0.00	1130	8.2	0.00
0045	0.1	0.00	0610	31.9	0.00	1135	8.1	0.00
0050	0.1	0.01	0615	30.5	0.00	1140	8.1	0.00
0055	0.1	0.01	0620	29.3	0.01	1145	7.9	0.00
0100	0.1	0.01	0625	28.3	0.00	1150	7.9	0.00
0105	0.1	0.01	0630	27.2	0.00	1155	7.8	0.00
0110	0.1	0.00	0635	26.0	0.00	1200	7.8	0.00
0115	0.1	0.01	0640	24.0	0.00	1205	7.8	0.00
0120	0.1	0.00	0645	23.5	0.00	1210	7.8	0.00
0125	0.1	0.01	0650	22.8	0.00	1215	7.6	0.00
0130	0.2	0.01	0655	22.2	0.00	1220	7.5	0.00
0135	0.2	0.00	0700	21.5	0.00	1225	7.3	0.00
0140	0.2	0.01	0705	20.8	0.00	1230	7.3	0.00
0145	0.2	0.00	0710	20.0	0.00	1235	7.3	0.00
0150	0.2	0.01	0715	19.5	0.00	1240	7.3	0.00
0155	0.2	0.02	0720	18.7	0.00	1245	7.3	0.00
0200	0.2	0.02	0725	18.3	0.00	1250	7.2	0.00
0205	0.2	0.02	0730	17.8	0.00	1255	7.2	0.00
0210	0.2	0.03	0735	17.4	0.00	1300	7.2	0.00
0215	0.2	0.05	0740	17.0	0.00	1305	7.2	0.00
0220	0.4	0.03	0745	16.3	0.00	1310	7.0	0.00
0225	0.4	0.02	0750	15.9	0.00	1315	7.0	0.00
0230	0.4	0.03	0755	15.5	0.00	1320	6.9	0.00
0235	0.4	0.02	0800	14.9	0.00	1325	6.9	0.00
0240	0.4	0.04	0805	14.5	0.00	1330	6.9	0.00
0245	0.5	0.05	0810	14.4	0.00	1335	6.7	0.00
0250	0.6	0.02	0815	14.0	0.00	1340	6.7	0.00
0255	0.9	0.02	0820	13.6	0.00	1345	6.7	0.00
0300	1.3	0.00	0825	13.2	0.00	1350	6.7	0.00
0305	1.9	0.01	0830	13.0	0.00	1355	6.6	0.00
0310	4.2	0.00	0835	12.7	0.00	1400	6.6	0.00
0315	7.9	0.00	0840	12.5	0.00	1405	6.6	0.00
0320	9.5	0.02	0845	12.3	0.00	1410	6.6	0.00
0325	10.6	0.02	0850	12.0	0.00	1415	6.5	0.00
0330	10.9	0.02	0855	11.6	0.00	1420	6.5	0.00
0335	11.1	0.02	0900	11.4	0.00	1425	6.5	0.00
0340	10.9	0.07	0905	11.3	0.00	1430	6.5	0.00
0345	11.1	0.30	0910	10.9	0.00	1435	6.5	0.00
0350	11.4	0.23	0915	10.7	0.00	1440	6.3	0.00
0355	12.1	0.18	0920	10.6	0.00	1445	6.2	0.00
0400	19.5	0.04	0925	10.6	0.00	1450	6.2	0.00
0405	32.9	0.01	0930	10.4	0.00	1455	6.2	0.00
0410	43.4	0.00	0935	10.2	0.00	1500	6.1	0.00
0415	47.8	0.00	0940	10.1	0.00	1505	6.1	0.00
0420	50.6	0.01	0945	9.9	0.00	1510	6.1	0.00
0425	55.9	0.00	0950	9.9	0.00	1515	5.9	0.00
0430	57.6	0.00	0955	9.8	0.00	1520	5.9	0.00
0435	59.1	0.00	1000	9.6	0.00	1525	5.9	0.00
0440	59.1	0.01	1005	9.6	0.00	1530	5.8	0.00
0445	58.2	0.01	1010	9.5	0.00	1535	5.8	0.00
0450	56.7	0.00	1015	9.3	0.00	1540	5.8	0.00
0455	55.6	0.02	1020	9.3	0.00	1545	5.8	0.00
0500	54.1	0.00	1025	9.1	0.00	1550	5.6	0.00
0505	53.2	0.00	1030	9.0	0.00	1555	5.6	0.00
0510	51.8	0.00	1035	8.8	0.00	1600	5.6	0.00
0515	50.3	0.00	1040	8.8	0.00	1605	5.6	0.00
0520	48.3	0.00	1045	8.8	0.00	1610	5.6	0.00
0525	46.1	0.01	1050	8.7	0.00	1615	5.5	0.00
0530	44.5	0.00	1055	8.7	0.00	1620	5.5	0.00
0535	42.6	0.00	1100	8.7	0.01	1625	5.5	0.00
0540	40.7	0.00	1105	8.5	0.00	1630	5.5	0.00
0545	39.9	0.00	1110	8.5	0.00	1635	5.5	0.00

Table 144.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, April 19, 1988--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
1640	5.3	0.00	1910	4.6	0.00	2140	4.2	0.00
1645	5.3	0.00	1915	4.6	0.00	2145	4.2	0.00
1650	5.1	0.00	1920	4.5	0.00	2150	4.2	0.00
1655	5.1	0.00	1925	4.5	0.00	2155	4.2	0.00
1700	5.1	0.00	1930	4.5	0.00	2200	4.2	0.00
1705	5.0	0.00	1935	4.5	0.00	2205	4.2	0.00
1710	5.0	0.00	1940	4.5	0.00	2210	4.0	0.00
1715	5.0	0.00	1945	4.5	0.00	2215	4.0	0.00
1720	5.0	0.00	1950	4.5	0.00	2220	4.0	0.00
1725	5.0	0.00	1955	4.5	0.00	2225	4.0	0.00
1730	5.0	0.00	2000	4.5	0.00	2230	4.0	0.00
1735	5.0	0.00	2005	4.5	0.00	2235	4.0	0.00
1740	4.9	0.00	2010	4.5	0.00	2240	3.9	0.00
1745	4.9	0.00	2015	4.4	0.00	2245	3.9	0.00
1750	4.9	0.00	2020	4.4	0.00	2250	3.9	0.00
1755	4.9	0.00	2025	4.4	0.00	2255	3.9	0.00
1800	4.9	0.00	2030	4.4	0.00	2300	3.9	0.00
1805	4.9	0.00	2035	4.4	0.00	2305	3.9	0.00
1810	4.9	0.00	2040	4.4	0.00	2310	3.9	0.00
1815	4.9	0.00	2045	4.4	0.00	2315	3.8	0.00
1820	4.9	0.00	2050	4.3	0.00	2320	3.8	0.00
1825	4.8	0.00	2055	4.3	0.00	2325	3.8	0.00
1830	4.6	0.00	2100	4.3	0.00	2330	3.8	0.00
1835	4.6	0.00	2105	4.3	0.00	2335	3.7	0.00
1840	4.6	0.00	2110	4.3	0.00	2340	3.7	0.00
1845	4.6	0.00	2115	4.3	0.00	2345	3.7	0.00
1850	4.6	0.00	2120	4.3	0.00	2350	3.7	0.00
1855	4.6	0.00	2125	4.2	0.00	2355	3.7	0.00
1900	4.6	0.00	2130	4.2	0.00			
1905	4.6	0.00	2135	4.2	0.00			

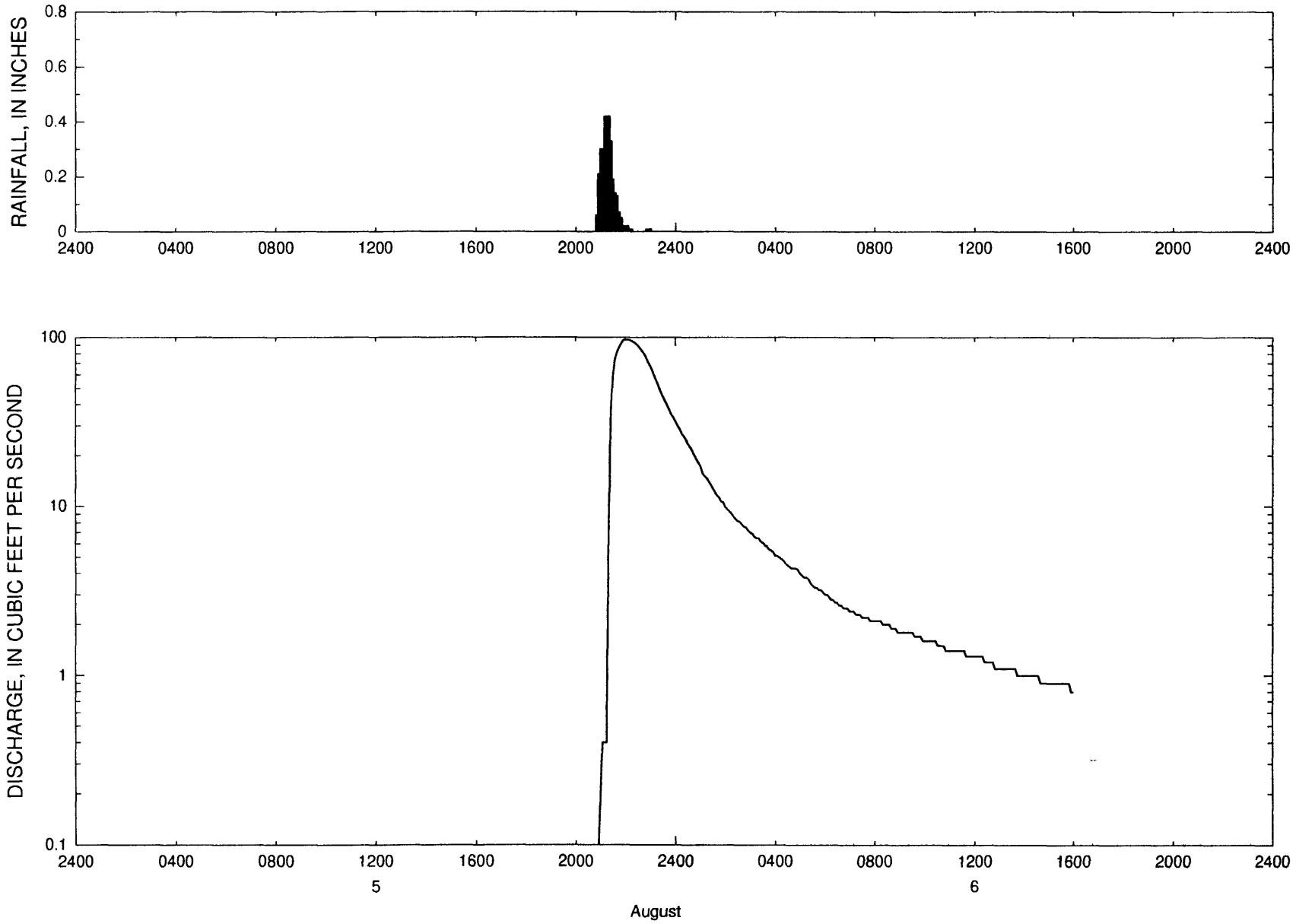


Figure 146.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, August 5-6, 1988.

Table 145.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, August 5-6, 1988

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
August 5, 1988			0210	9.3	0.00	0735	2.2	0.00
2055	0.1	0.06	0215	9.0	0.00	0740	2.2	0.00
2100	0.2	0.21	0220	8.7	0.00	0745	2.2	0.00
2105	0.4	0.30	0225	8.4	0.00	0750	2.1	0.00
2110	0.4	0.26	0230	8.2	0.00	0755	2.1	0.00
2115	0.4	0.42	0235	8.1	0.00	0800	2.1	0.00
2120	7.3	0.33	0240	7.8	0.00	0805	2.1	0.00
2125	37.1	0.19	0245	7.6	0.00	0810	2.1	0.00
2130	58.5	0.14	0250	7.5	0.00	0815	2.1	0.00
2135	74.0	0.13	0255	7.2	0.00	0820	2.0	0.00
2140	81.5	0.07	0300	7.0	0.00	0825	2.0	0.00
2145	87.2	0.05	0305	6.9	0.00	0830	2.0	0.00
2150	91.7	0.02	0310	6.6	0.00	0835	2.0	0.00
2155	96.0	0.01	0315	6.5	0.00	0840	1.9	0.00
2200	96.9	0.02	0320	6.5	0.00	0845	1.9	0.00
2205	96.9	0.01	0325	6.2	0.00	0850	1.9	0.00
2210	96.6	0.01	0330	6.1	0.00	0855	1.8	0.00
2215	95.7	0.00	0335	5.9	0.00	0900	1.8	0.00
2220	94.0	0.00	0340	5.8	0.00	0905	1.8	0.00
2225	92.4	0.00	0345	5.6	0.00	0910	1.8	0.00
2230	89.8	0.00	0350	5.5	0.00	0915	1.8	0.00
2235	86.9	0.00	0355	5.4	0.00	0920	1.8	0.00
2240	83.1	0.00	0400	5.1	0.00	0925	1.8	0.00
2245	79.9	0.00	0405	5.1	0.00	0930	1.8	0.00
2250	75.7	0.00	0410	5.0	0.00	0935	1.7	0.00
2255	71.1	0.01	0415	4.9	0.00	0940	1.7	0.00
2300	67.3	0.00	0420	4.8	0.00	0945	1.7	0.00
2305	63.0	0.00	0425	4.6	0.00	0950	1.7	0.00
2310	58.5	0.00	0430	4.5	0.00	0955	1.6	0.00
2315	54.7	0.00	0435	4.4	0.00	1000	1.6	0.00
2320	51.2	0.00	0440	4.3	0.00	1005	1.6	0.00
2325	48.0	0.00	0445	4.3	0.00	1010	1.6	0.00
2330	45.0	0.00	0450	4.3	0.00	1015	1.6	0.00
2335	42.3	0.00	0455	4.2	0.00	1020	1.6	0.00
2340	39.9	0.00	0500	4.0	0.00	1025	1.6	0.00
2345	37.4	0.00	0505	3.9	0.00	1030	1.5	0.00
2350	35.1	0.00	0510	3.8	0.00	1035	1.5	0.00
2355	33.6	0.00	0515	3.8	0.00	1040	1.5	0.00
August 6, 1988			0520	3.7	0.00	1045	1.5	0.00
0000	31.7	0.00	0525	3.5	0.00	1050	1.4	0.00
0005	30.0	0.00	0530	3.4	0.00	1055	1.4	0.00
0010	28.6	0.00	0535	3.3	0.00	1100	1.4	0.00
0015	26.9	0.00	0540	3.3	0.00	1105	1.4	0.00
0020	26.0	0.00	0545	3.2	0.00	1110	1.4	0.00
0025	24.7	0.00	0550	3.2	0.00	1115	1.4	0.00
0030	23.5	0.00	0555	3.1	0.00	1120	1.4	0.00
0035	22.6	0.00	0600	3.0	0.00	1125	1.4	0.00
0040	21.5	0.00	0605	3.0	0.00	1130	1.4	0.00
0045	20.2	0.00	0610	2.9	0.00	1135	1.4	0.00
0050	19.1	0.00	0615	2.8	0.00	1140	1.3	0.00
0055	18.1	0.00	0620	2.8	0.00	1145	1.3	0.00
0100	17.2	0.00	0625	2.7	0.00	1150	1.3	0.00
0105	15.7	0.00	0630	2.7	0.00	1155	1.3	0.00
0110	15.1	0.00	0635	2.6	0.00	1200	1.3	0.00
0115	14.7	0.00	0640	2.6	0.00	1205	1.3	0.00
0120	14.0	0.00	0645	2.5	0.00	1210	1.3	0.00
0125	13.4	0.00	0650	2.5	0.00	1215	1.3	0.00
0130	12.7	0.00	0655	2.5	0.00	1220	1.3	0.00
0135	12.1	0.00	0700	2.4	0.00	1225	1.2	0.00
0140	11.6	0.00	0705	2.4	0.00	1230	1.2	0.00
0145	11.3	0.00	0710	2.4	0.00	1235	1.2	0.00
0150	10.7	0.00	0715	2.3	0.00	1240	1.2	0.00
0155	10.6	0.00	0720	2.3	0.00	1245	1.2	0.00
0200	9.9	0.00	0725	2.3	0.00	1250	1.1	0.00
0205	9.6	0.00	0730	2.2	0.00	1255	1.1	0.00

Table 145.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, August 5-6, 1988--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1300	1.1	0.00	1405	1.0	0.00	1510	0.9	0.00
1305	1.1	0.00	1410	1.0	0.00	1515	0.9	0.00
1310	1.1	0.00	1415	1.0	0.00	1520	0.9	0.00
1315	1.1	0.00	1420	1.0	0.00	1525	0.9	0.00
1320	1.1	0.00	1425	1.0	0.00	1530	0.9	0.00
1325	1.1	0.00	1430	1.0	0.00	1535	0.9	0.00
1330	1.1	0.00	1435	1.0	0.00	1540	0.9	0.00
1335	1.1	0.00	1440	0.9	0.00	1545	0.9	0.00
1340	1.1	0.00	1445	0.9	0.00	1550	0.9	0.00
1345	1.0	0.00	1450	0.9	0.00	1555	0.8	0.00
1350	1.0	0.00	1455	0.9	0.00	1600	0.8	0.00
1355	1.0	0.00	1500	0.9	0.00			
1400	1.0	0.00	1505	0.9	0.00			

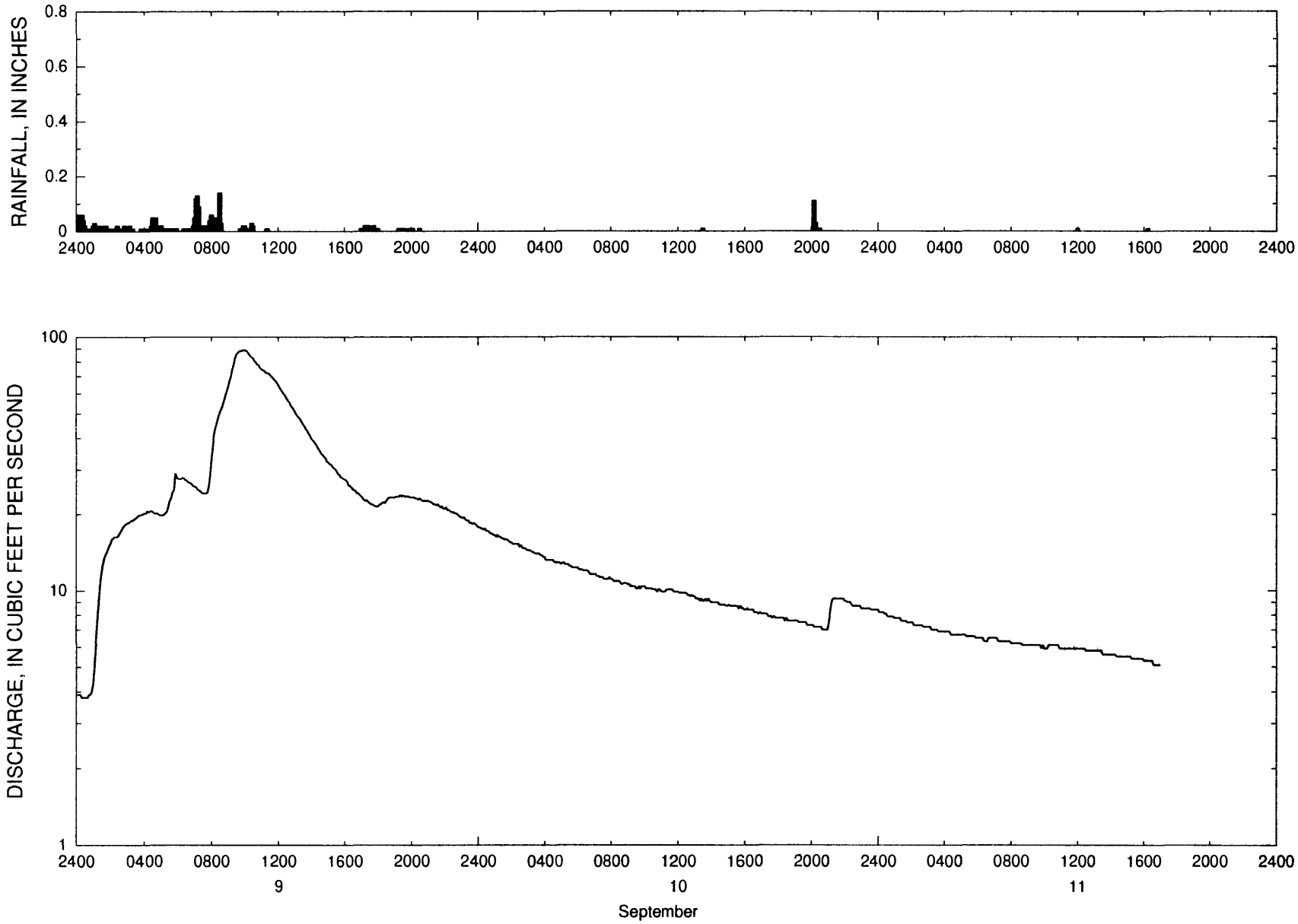


Figure 147.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, September 9-11, 1988.

Table 146.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, September 9-11, 1988

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
September 09, 1988			0525	21.5	0.00	1050	77.7	0.00
0005	3.9	0.06	0530	22.6	0.01	1055	75.7	0.00
0010	3.9	0.03	0535	23.3	0.00	1100	74.7	0.00
0015	3.9	0.03	0540	24.4	0.00	1105	74.3	0.00
0020	3.8	0.06	0545	25.1	0.01	1110	73.7	0.00
0025	3.8	0.04	0550	29.0	0.00	1115	72.7	0.00
0030	3.8	0.02	0555	28.1	0.01	1120	72.1	0.01
0035	3.8	0.01	0600	27.6	0.00	1125	72.1	0.00
0040	3.8	0.00	0605	27.6	0.00	1130	71.1	0.00
0045	3.9	0.01	0610	27.6	0.00	1135	70.1	0.00
0050	3.9	0.01	0615	27.9	0.00	1140	69.2	0.00
0055	4.0	0.01	0620	27.9	0.01	1145	68.2	0.00
0100	4.3	0.02	0625	27.4	0.00	1150	67.3	0.00
0105	5.0	0.03	0630	27.2	0.00	1155	66.1	0.00
0110	6.2	0.02	0635	26.9	0.00	1200	64.8	0.00
0115	7.5	0.01	0640	26.7	0.01	1205	63.3	0.00
0120	9.0	0.02	0645	26.5	0.00	1210	62.1	0.00
0125	10.6	0.01	0650	26.2	0.00	1215	60.9	0.00
0130	12.0	0.01	0655	25.8	0.02	1220	59.7	0.00
0135	12.9	0.01	0700	25.8	0.05	1225	58.8	0.00
0140	13.6	0.02	0705	25.6	0.12	1230	57.3	0.00
0145	14.0	0.02	0710	25.1	0.13	1235	56.2	0.00
0150	14.4	0.01	0715	24.9	0.09	1240	55.3	0.00
0155	14.9	0.00	0720	24.7	0.02	1245	53.8	0.00
0200	15.3	0.01	0725	24.4	0.01	1250	52.9	0.00
0205	15.9	0.01	0730	24.2	0.00	1255	52.1	0.00
0210	16.1	0.00	0735	24.2	0.02	1300	50.9	0.00
0215	16.3	0.01	0740	24.2	0.02	1305	49.7	0.00
0220	16.3	0.00	0745	24.4	0.01	1310	48.9	0.00
0225	16.3	0.02	0750	25.6	0.02	1315	48.3	0.00
0230	16.6	0.01	0755	28.6	0.04	1320	47.5	0.00
0235	17.0	0.01	0800	33.1	0.06	1325	46.4	0.00
0240	17.4	0.01	0805	37.4	0.03	1330	45.5	0.00
0245	17.8	0.01	0810	41.5	0.05	1335	44.7	0.00
0250	18.1	0.02	0815	44.2	0.02	1340	43.6	0.00
0255	18.3	0.00	0820	46.1	0.00	1345	42.8	0.00
0300	18.5	0.00	0825	48.3	0.05	1350	41.8	0.00
0305	18.5	0.01	0830	50.3	0.14	1355	41.0	0.00
0310	18.7	0.02	0835	51.8	0.03	1400	39.9	0.00
0315	18.9	0.01	0840	53.5	0.00	1405	39.2	0.00
0320	18.9	0.01	0845	55.9	0.00	1410	38.6	0.00
0325	19.1	0.00	0850	58.8	0.00	1415	37.9	0.00
0330	19.3	0.00	0855	61.2	0.00	1420	37.1	0.00
0335	19.5	0.00	0900	63.9	0.00	1425	36.3	0.00
0340	19.8	0.00	0905	67.3	0.00	1430	35.6	0.00
0345	19.8	0.00	0910	69.8	0.00	1435	34.8	0.00
0350	20.0	0.01	0915	74.3	0.00	1440	34.4	0.00
0355	20.0	0.00	0920	77.7	0.00	1445	33.9	0.00
0400	20.2	0.01	0925	82.5	0.00	1450	33.4	0.00
0405	20.2	0.00	0930	85.6	0.00	1455	32.4	0.00
0410	20.6	0.01	0935	86.9	0.00	1500	32.2	0.00
0415	20.4	0.01	0940	87.9	0.00	1505	31.7	0.00
0420	20.6	0.01	0945	88.5	0.01	1510	31.5	0.00
0425	20.6	0.02	0950	88.5	0.00	1515	31.0	0.00
0430	20.4	0.05	0955	89.1	0.02	1520	30.5	0.00
0435	20.2	0.04	1000	88.8	0.02	1525	30.3	0.00
0440	20.2	0.05	1005	88.5	0.01	1530	29.8	0.00
0445	20.2	0 02	1010	87.5	0.01	1535	29.0	0.00
0450	20.0	0.01	1015	85.6	0.01	1540	28.8	0.00
0455	19.8	0.02	1020	84.4	0.01	1545	28.1	0.00
0500	19 8	0.02	1025	83.3	0.03	1550	28.1	0.00
0505	19.8	0.00	1030	82.5	0.02	1555	27.6	0.00
0510	20 0	0.01	1035	80.6	0.00	1600	27.6	0.00
0515	20.2	0.00	1040	79.7	0.00	1605	27.2	0.00
0520	20.6	0.01	1045	78.0	0.00	1610	26.9	0.00

Table 146.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, September 9-11, 1988--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
1615	26.0	0.00	2140	21.5	0.00	0300	14.4	0.00
1620	26.0	0.00	2145	21.3	0.00	0305	14.4	0.00
1625	25.6	0.00	2150	21.5	0.00	0310	14.4	0.00
1630	25.1	0.00	2155	21.0	0.00	0315	14.2	0.00
1635	24.9	0.00	2200	21.0	0.00	0320	14.2	0.00
1640	24.7	0.00	2205	21.3	0.00	0325	14.0	0.00
1645	24.2	0.00	2210	20.8	0.00	0330	14.0	0.00
1650	24.2	0.00	2215	20.8	0.00	0335	14.0	0.00
1655	23.8	0.00	2220	20.6	0.00	0340	14.0	0.00
1700	23.5	0.01	2225	20.4	0.00	0345	13.8	0.00
1705	23.3	0.00	2230	20.4	0.00	0350	13.8	0.00
1710	22.8	0.01	2235	20.2	0.00	0355	13.6	0.00
1715	22.6	0.02	2240	20.2	0.00	0400	13.6	0.00
1720	22.8	0.01	2245	20.0	0.00	0405	13.2	0.00
1725	22.4	0.02	2250	19.8	0.00	0410	13.2	0.00
1730	22.2	0.01	2255	19.5	0.00	0415	13.2	0.00
1735	21.9	0.01	2300	19.5	0.00	0420	13.2	0.00
1740	21.9	0.01	2305	19.3	0.00	0425	13.2	0.00
1745	21.7	0.02	2310	19.5	0.00	0430	13.2	0.00
1750	21.5	0.01	2315	19.1	0.00	0435	13.0	0.00
1755	21.5	0.00	2320	18.9	0.00	0440	12.9	0.00
1800	21.5	0.01	2325	18.9	0.00	0445	12.9	0.00
1805	21.9	0.00	2330	18.5	0.00	0450	12.9	0.00
1810	21.9	0.00	2335	18.5	0.00	0455	12.9	0.00
1815	22.2	0.00	2340	18.3	0.00	0500	12.7	0.00
1820	22.4	0.00	2345	18.5	0.00	0505	12.9	0.00
1825	22.2	0.00	2350	18.3	0.00	0510	12.9	0.00
1830	22.6	0.00	2355	18.1	0.00	0515	12.7	0.00
1835	23.1	0.00	September 10, 1988			0520	12.7	0.00
1840	23.3	0.00	0000	17.8	0.00	0525	12.7	0.00
1845	23.3	0.00	0005	17.8	0.00	0530	12.5	0.00
1850	23.3	0.00	0010	17.6	0.00	0535	12.5	0.00
1855	23.3	0.00	0015	17.6	0.00	0540	12.3	0.00
1900	23.3	0.00	0020	17.4	0.00	0545	12.3	0.00
1905	23.5	0.00	0025	17.6	0.00	0550	12.3	0.00
1910	23.5	0.00	0030	17.2	0.00	0555	12.3	0.00
1915	23.5	0.01	0035	17.2	0.00	0600	12.3	0.00
1920	23.8	0.00	0040	17.0	0.00	0605	12.1	0.00
1925	23.5	0.01	0045	16.8	0.00	0610	12.1	0.00
1930	23.8	0.00	0050	16.8	0.00	0615	12.1	0.00
1935	23.5	0.01	0055	16.6	0.00	0620	12.0	0.00
1940	23.5	0.00	0100	16.6	0.00	0625	12.0	0.00
1945	23.5	0.00	0105	16.3	0.00	0630	12.0	0.00
1950	23.5	0.00	0110	16.6	0.00	0635	12.0	0.00
1955	23.3	0.01	0115	16.3	0.00	0640	11.8	0.00
2000	23.3	0.00	0120	16.3	0.00	0645	11.6	0.00
2005	23.3	0.01	0125	16.1	0.00	0650	11.6	0.00
2010	23.3	0.00	0130	16.1	0.00	0655	11.6	0.00
2015	23.1	0.00	0135	15.9	0.00	0700	11.6	0.00
2020	23.1	0.00	0140	15.9	0.00	0705	11.6	0.00
2025	22.8	0.00	0145	15.9	0.00	0710	11.4	0.00
2030	23.1	0.01	0150	15.7	0.00	0715	11.4	0.00
2035	22.8	0.00	0155	15.5	0.00	0720	11.3	0.00
2040	22.6	0.00	0200	15.5	0.00	0725	11.3	0.00
2045	22.6	0.00	0205	15.3	0.00	0730	11.3	0.00
2050	22.6	0.00	0210	15.3	0.00	0735	11.1	0.00
2055	22.6	0.00	0215	15.3	0.00	0740	11.1	0.00
2100	22.6	0.00	0220	15.3	0.00	0745	11.1	0.00
2105	22.4	0.00	0225	15.3	0.00	0750	11.1	0.00
2110	22.4	0.00	0230	14.9	0.00	0755	11.3	0.00
2115	22.2	0.00	0235	15.1	0.00	0800	11.1	0.00
2120	21.9	0.00	0240	14.7	0.00	0805	11.1	0.00
2125	21.9	0.00	0245	14.7	0.00	0810	10.9	0.00
2130	21.7	0.00	0250	14.7	0.00	0815	10.9	0.00
2135	21.9	0.00	0255	14.5	0.00	0820	10.9	0.00

Table 146.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, September 9-11, 1988--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0825	10.9	0.00	1350	9.3	0.00	1915	7.5	0.00
0830	10.9	0.00	1355	9.1	0.00	1920	7.5	0.00
0835	10.7	0.00	1400	9.0	0.00	1925	7.5	0.00
0840	10.6	0.00	1405	9.0	0.00	1930	7.5	0.00
0845	10.7	0.00	1410	9.0	0.00	1935	7.5	0.00
0850	10.7	0.00	1415	9.0	0.00	1940	7.5	0.00
0855	10.7	0.00	1420	9.0	0.00	1945	7.3	0.00
0900	10.6	0.00	1425	9.0	0.00	1950	7.3	0.00
0905	10.6	0.00	1430	8.8	0.00	1955	7.3	0.00
0910	10.4	0.00	1435	8.8	0.00	2000	7.3	0.00
0915	10.4	0.00	1440	8.8	0.00	2005	7.3	0.00
0920	10.4	0.00	1445	8.8	0.00	2010	7.2	0.11
0925	10.4	0.00	1450	8.8	0.00	2015	7.2	0.03
0930	10.2	0.00	1455	8.7	0.00	2020	7.2	0.01
0935	10.2	0.00	1500	8.7	0.00	2025	7.2	0.00
0940	10.4	0.00	1505	8.8	0.00	2030	7.2	0.01
0945	10.2	0.00	1510	8.7	0.00	2035	7.2	0.00
0950	10.4	0.00	1515	8.7	0.00	2040	7.0	0.00
0955	10.4	0.00	1520	8.7	0.00	2045	7.0	0.00
1000	10.4	0.00	1525	8.7	0.00	2050	7.0	0.00
1005	10.2	0.00	1530	8.7	0.00	2055	7.0	0.00
1010	10.2	0.00	1535	8.7	0.00	2100	7.0	0.00
1015	10.2	0.00	1540	8.5	0.00	2105	7.6	0.00
1020	10.2	0.00	1545	8.7	0.00	2110	8.5	0.00
1025	10.2	0.00	1550	8.5	0.00	2115	9.1	0.00
1030	10.1	0.00	1555	8.5	0.00	2120	9.3	0.00
1035	10.1	0.00	1600	8.4	0.00	2125	9.3	0.00
1040	10.1	0.00	1605	8.4	0.00	2130	9.3	0.00
1045	9.9	0.00	1610	8.5	0.00	2135	9.3	0.00
1050	10.1	0.00	1615	8.4	0.00	2140	9.3	0.00
1055	10.1	0.00	1620	8.4	0.00	2145	9.3	0.00
1100	9.9	0.00	1625	8.4	0.00	2150	9.3	0.00
1105	9.9	0.00	1630	8.4	0.00	2155	9.3	0.00
1110	9.9	0.00	1635	8.2	0.00	2200	9.1	0.00
1115	9.9	0.00	1640	8.2	0.00	2205	9.1	0.00
1120	10.1	0.00	1645	8.2	0.00	2210	9.0	0.00
1125	10.1	0.00	1650	8.1	0.00	2215	9.0	0.00
1130	10.1	0.00	1655	8.2	0.00	2220	9.0	0.00
1135	10.1	0.00	1700	8.1	0.00	2225	8.8	0.00
1140	10.1	0.00	1705	8.1	0.00	2230	8.7	0.00
1145	9.9	0.00	1710	8.1	0.00	2235	8.7	0.00
1150	9.9	0.00	1715	8.1	0.00	2240	8.7	0.00
1155	9.9	0.00	1720	8.1	0.00	2245	8.7	0.00
1200	9.9	0.00	1725	7.9	0.00	2250	8.7	0.00
1205	9.8	0.00	1730	7.9	0.00	2255	8.7	0.00
1210	9.8	0.00	1735	7.9	0.00	2300	8.5	0.00
1215	9.8	0.00	1740	7.8	0.00	2305	8.5	0.00
1220	9.8	0.00	1745	7.9	0.00	2310	8.5	0.00
1225	9.8	0.00	1750	7.8	0.00	2315	8.5	0.00
1230	9.8	0.00	1755	7.8	0.00	2320	8.5	0.00
1235	9.6	0.00	1800	7.8	0.00	2325	8.5	0.00
1240	9.6	0.00	1805	7.8	0.00	2330	8.5	0.00
1245	9.5	0.00	1810	7.8	0.00	2335	8.4	0.00
1250	9.6	0.00	1815	7.8	0.00	2340	8.4	0.00
1255	9.5	0.00	1820	7.8	0.00	2345	8.4	0.00
1300	9.5	0.00	1825	7.6	0.00	2350	8.4	0.00
1305	9.3	0.00	1830	7.8	0.00	2355	8.4	0.00
1310	9.3	0.00	1835	7.6	0.00	September 11, 1988		
1315	9.3	0.00	1840	7.6	0.00	0000	8.4	0.00
1320	9.1	0.00	1845	7.6	0.00	0005	8.2	0.00
1325	9.3	0.00	1850	7.6	0.00	0010	8.2	0.00
1330	9.1	0.01	1855	7.6	0.00	0015	8.2	0.00
1335	9.1	0.00	1900	7.6	0.00	0020	8.2	0.00
1340	9.3	0.00	1905	7.6	0.00	0025	8.1	0.00
1345	9.1	0.00	1910	7.6	0.00	0030	8.1	0.00

Table 146.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, September 9-11, 1988--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0035	7.9	0.00	0600	6.5	0.00	1125	5.9	0.00
0040	7.9	0.00	0605	6.5	0.00	1130	5.9	0.00
0045	7.9	0.00	0610	6.5	0.00	1135	5.9	0.00
0050	7.9	0.00	0615	6.5	0.00	1140	5.9	0.00
0055	7.9	0.00	0620	6.5	0.00	1145	5.9	0.00
0100	7.8	0.00	0625	6.3	0.00	1150	5.9	0.00
0105	7.8	0.00	0630	6.3	0.00	1155	5.9	0.00
0110	7.8	0.00	0635	6.3	0.00	1200	5.9	0.01
0115	7.8	0.00	0640	6.5	0.00	1205	5.9	0.00
0120	7.8	0.00	0645	6.5	0.00	1210	5.9	0.00
0125	7.6	0.00	0650	6.5	0.00	1215	5.9	0.00
0130	7.6	0.00	0655	6.5	0.00	1220	5.9	0.00
0135	7.6	0.00	0700	6.5	0.00	1225	5.9	0.00
0140	7.6	0.00	0705	6.5	0.00	1230	5.8	0.00
0145	7.5	0.00	0710	6.5	0.00	1235	5.8	0.00
0150	7.5	0.00	0715	6.3	0.00	1240	5.8	0.00
0155	7.5	0.00	0720	6.3	0.00	1245	5.8	0.00
0200	7.5	0.00	0725	6.3	0.00	1250	5.8	0.00
0205	7.5	0.00	0730	6.3	0.00	1255	5.8	0.00
0210	7.3	0.00	0735	6.3	0.00	1300	5.8	0.00
0215	7.3	0.00	0740	6.3	0.00	1305	5.8	0.00
0220	7.3	0.00	0745	6.3	0.00	1310	5.8	0.00
0225	7.3	0.00	0750	6.3	0.00	1315	5.8	0.00
0230	7.3	0.00	0755	6.3	0.00	1320	5.8	0.00
0235	7.3	0.00	0800	6.2	0.00	1325	5.8	0.00
0240	7.3	0.00	0805	6.2	0.00	1330	5.6	0.00
0245	7.2	0.00	0810	6.2	0.00	1335	5.6	0.00
0250	7.2	0.00	0815	6.2	0.00	1340	5.6	0.00
0255	7.2	0.00	0820	6.2	0.00	1345	5.6	0.00
0300	7.2	0.00	0825	6.2	0.00	1350	5.6	0.00
0305	7.2	0.00	0830	6.2	0.00	1355	5.6	0.00
0310	7.2	0.00	0835	6.2	0.00	1400	5.6	0.00
0315	7.0	0.00	0840	6.1	0.00	1405	5.6	0.00
0320	7.0	0.00	0845	6.1	0.00	1410	5.6	0.00
0325	7.0	0.00	0850	6.1	0.00	1415	5.6	0.00
0330	7.0	0.00	0855	6.1	0.00	1420	5.5	0.00
0335	7.0	0.00	0900	6.1	0.00	1425	5.5	0.00
0340	6.9	0.00	0905	6.1	0.00	1430	5.5	0.00
0345	6.9	0.00	0910	6.1	0.00	1435	5.5	0.00
0350	6.9	0.00	0915	6.1	0.00	1440	5.5	0.00
0355	6.9	0.00	0920	6.1	0.00	1445	5.5	0.00
0400	6.9	0.00	0925	6.1	0.00	1450	5.5	0.00
0405	6.9	0.00	0930	6.1	0.00	1455	5.5	0.00
0410	6.9	0.00	0935	6.1	0.00	1500	5.5	0.00
0415	6.9	0.00	0940	6.1	0.00	1505	5.5	0.00
0420	6.9	0.00	0945	6.1	0.00	1510	5.5	0.00
0425	6.7	0.00	0950	5.9	0.00	1515	5.4	0.00
0430	6.7	0.00	0955	6.1	0.00	1520	5.4	0.00
0435	6.7	0.00	1000	5.9	0.00	1525	5.4	0.00
0440	6.7	0.00	1005	5.9	0.00	1530	5.4	0.00
0445	6.7	0.00	1010	5.9	0.00	1535	5.4	0.00
0450	6.7	0.00	1015	6.1	0.00	1540	5.4	0.00
0455	6.7	0.00	1020	6.1	0.00	1545	5.4	0.00
0500	6.7	0.00	1025	6.1	0.00	1550	5.4	0.00
0505	6.7	0.00	1030	6.1	0.00	1555	5.4	0.00
0510	6.7	0.00	1035	6.1	0.00	1600	5.3	0.00
0515	6.7	0.00	1040	6.1	0.00	1605	5.3	0.00
0520	6.6	0.00	1045	6.1	0.00	1610	5.3	0.00
0525	6.6	0.00	1050	6.1	0.00	1615	5.3	0.01
0530	6.6	0 00	1055	5.9	0.00	1620	5.3	0.00
0535	6.6	0.00	1100	5.9	0.00	1625	5.3	0.00
0540	6.6	0.00	1105	5.9	0 00	1630	5.3	0.00
0545	6.6	0.00	1110	5.9	0.00	1635	5.1	0.00
0550	6.6	0.00	1115	5.9	0.00	1640	5.1	0.00
0555	6.5	0.00	1120	5.9	0.00	1645	5.1	0.00
1650	5.1	0.00	1655	5.1	0.00	1700	5.1	0.00

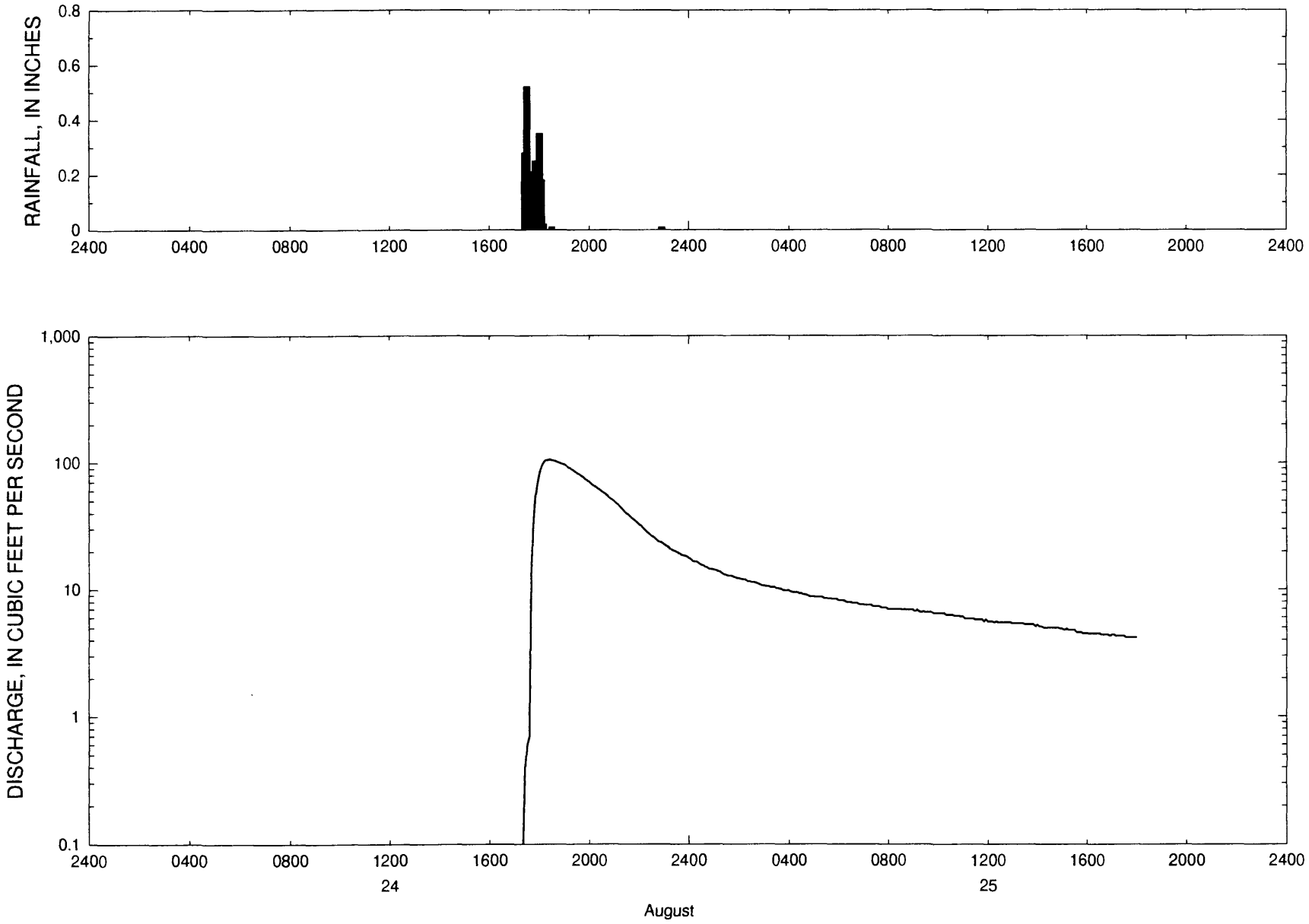


Figure 148.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, August 24-25, 1989.

Table 147.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, August 24-25, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
August 24, 1989			2240	25.1	0.00	0400	9.8	0.00
1720	0.1	0.00	2245	24.2	0.00	0405	9.6	0.00
1725	0.4	0.28	2250	23.8	0.00	0410	9.5	0.00
1730	0.6	0.52	2255	23.5	0.01	0415	9.5	0.00
1735	0.7	0.15	2300	22.8	0.00	0420	9.5	0.00
1740	13.6	0.17	2305	22.2	0.00	0425	9.3	0.00
1745	32.2	0.21	2310	21.7	0.00	0430	9.3	0.00
1750	53.2	0.25	2315	21.0	0.00	0435	9.1	0.00
1755	68.9	0.18	2320	20.6	0.00	0440	9.1	0.00
1800	82.8	0.35	2325	20.2	0.00	0445	9.0	0.00
1805	93.4	0.18	2330	20.0	0.00	0450	8.8	0.00
1810	100.0	0.02	2335	19.5	0.00	0455	8.8	0.00
1815	105.0	0.00	2340	19.1	0.00	0500	8.8	0.00
1820	105.0	0.00	2345	18.7	0.00	0505	8.7	0.00
1825	106.0	0.00	2350	18.5	0.00	0510	8.7	0.00
1830	105.0	0.01	2355	18.3	0.00	0515	8.7	0.00
1835	104.0	0.00	August 25, 1989			0520	8.7	0.00
1840	103.0	0.00	0000	17.8	0.00	0525	8.5	0.00
1845	101.0	0.00	0005	17.4	0.00	0530	8.5	0.00
1850	99.6	0.00	0010	16.8	0.00	0535	8.5	0.00
1855	97.8	0.00	0015	16.6	0.00	0540	8.5	0.00
1900	96.9	0.00	0020	16.6	0.00	0545	8.4	0.00
1905	94.4	0.00	0025	16.1	0.00	0550	8.4	0.00
1910	91.7	0.00	0030	15.7	0.00	0555	8.4	0.00
1915	89.8	0.00	0035	15.5	0.00	0600	8.2	0.00
1920	87.5	0.00	0040	15.1	0.00	0605	8.2	0.00
1925	85.3	0.00	0045	14.9	0.00	0610	8.2	0.00
1930	82.8	0.00	0050	14.5	0.00	0615	8.1	0.00
1935	81.2	0.00	0055	14.5	0.00	0620	7.9	0.00
1940	79.0	0.00	0100	14.4	0.00	0625	7.9	0.00
1945	77.0	0.00	0105	14.2	0.00	0630	7.9	0.00
1950	74.3	0.00	0110	14.0	0.00	0635	7.8	0.00
1955	72.1	0.00	0115	13.8	0.00	0640	7.8	0.00
2000	70.5	0.00	0120	13.4	0.00	0645	7.8	0.00
2005	67.9	0.00	0125	13.2	0.00	0650	7.6	0.00
2010	66.1	0.00	0130	13.0	0.00	0655	7.6	0.00
2015	64.8	0.00	0135	12.9	0.00	0700	7.6	0.00
2020	62.7	0.00	0140	12.9	0.00	0705	7.5	0.00
2025	61.2	0.00	0145	12.7	0.00	0710	7.5	0.00
2030	59.4	0.00	0150	12.5	0.00	0715	7.5	0.00
2035	57.9	0.00	0155	12.3	0.00	0720	7.5	0.00
2040	56.4	0.00	0200	12.3	0.00	0725	7.3	0.00
2045	54.7	0.00	0205	12.1	0.00	0730	7.3	0.00
2050	52.6	0.00	0210	12.0	0.00	0735	7.3	0.00
2055	51.5	0.00	0215	12.0	0.00	0740	7.3	0.00
2100	50.0	0.00	0220	11.6	0.00	0745	7.2	0.00
2105	48.0	0.00	0225	11.6	0.00	0750	7.2	0.00
2110	46.7	0.00	0230	11.4	0.00	0755	7.2	0.00
2115	45.0	0.00	0235	11.4	0.00	0800	7.0	0.00
2120	43.1	0.00	0240	11.3	0.00	0805	7.0	0.00
2125	41.3	0.00	0245	11.1	0.00	0810	7.0	0.00
2130	39.9	0.00	0250	10.9	0.00	0815	7.0	0.00
2135	38.9	0.00	0255	10.7	0.00	0820	7.0	0.00
2140	37.4	0.00	0300	10.7	0.00	0825	7.0	0.00
2145	36.1	0.00	0305	10.6	0.00	0830	7.0	0.00
2150	35.1	0.00	0310	10.6	0.00	0835	6.9	0.00
2155	33.9	0.00	0315	10.4	0.00	0840	7.0	0.00
2200	32.7	0.00	0320	10.4	0.00	0845	6.9	0.00
2205	31.9	0.00	0325	10.4	0.00	0850	6.9	0.00
2210	30.5	0.00	0330	10.2	0.00	0855	6.9	0.00
2215	29.3	0.00	0335	10.2	0.00	0900	6.9	0.00
2220	28.3	0.00	0340	10.1	0.00	0905	6.7	0.00
2225	27.4	0.00	0345	9.9	0.00	0910	6.9	0.00
2230	26.5	0.00	0350	9.8	0.00	0915	6.7	0.00
2235	26.0	0.00	0355	9.8	0.00	0920	6.6	0.00

Table 147.--Streamflow and rainfall at station 02176380, Coosawhatchie River tributary at Allendale, August 24-25, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0925	6.7	0.00	1220	5.6	0.00	1515	4.8	0.00
0930	6.6	0.00	1225	5.5	0.00	1520	4.8	0.00
0935	6.6	0.00	1230	5.5	0.00	1525	4.8	0.00
0940	6.6	0.00	1235	5.5	0.00	1530	4.8	0.00
0945	6.6	0.00	1240	5.5	0.00	1535	4.6	0.00
0950	6.5	0.00	1245	5.5	0.00	1540	4.6	0.00
0955	6.5	0.00	1250	5.5	0.00	1545	4.6	0.00
1000	6.5	0.00	1255	5.5	0.00	1550	4.5	0.00
1005	6.5	0.00	1300	5.4	0.00	1555	4.5	0.00
1010	6.5	0.00	1305	5.4	0.00	1600	4.5	0.00
1015	6.5	0.00	1310	5.4	0.00	1605	4.5	0.00
1020	6.3	0.00	1315	5.4	0.00	1610	4.5	0.00
1025	6.3	0.00	1320	5.4	0.00	1615	4.5	0.00
1030	6.3	0.00	1325	5.4	0.00	1620	4.5	0.00
1035	6.3	0.00	1330	5.3	0.00	1625	4.5	0.00
1040	6.2	0.00	1335	5.3	0.00	1630	4.5	0.00
1045	6.2	0.00	1340	5.3	0.00	1635	4.4	0.00
1050	6.2	0.00	1345	5.3	0.00	1640	4.4	0.00
1055	6.1	0.00	1350	5.3	0.00	1645	4.4	0.00
1100	6.1	0.00	1355	5.1	0.00	1650	4.4	0.00
1105	5.9	0.00	1400	5.3	0.00	1655	4.3	0.00
1110	5.9	0.00	1405	5.1	0.00	1700	4.4	0.00
1115	5.9	0.00	1410	5.1	0.00	1705	4.4	0.00
1120	5.9	0.00	1415	5.0	0.00	1710	4.3	0.00
1125	5.9	0.00	1420	5.0	0.00	1715	4.3	0.00
1130	5.8	0.00	1425	5.0	0.00	1720	4.3	0.00
1135	5.8	0.00	1430	5.0	0.00	1725	4.3	0.00
1140	5.8	0.00	1435	5.0	0.00	1730	4.3	0.00
1145	5.8	0.00	1440	5.0	0.00	1735	4.2	0.00
1150	5.6	0.00	1445	5.0	0.00	1740	4.2	0.00
1155	5.8	0.00	1450	5.0	0.00	1745	4.2	0.00
1200	5.6	0.00	1455	4.9	0.00	1750	4.2	0.00
1205	5.6	0.00	1500	4.9	0.00	1755	4.2	0.00
1210	5.6	0.00	1505	4.8	0.00	1800	4.2	0.00
1215	5.5	0.00	1510	4.9	0.00			

Station 02187260, Whitner Creek at Anderson, S.C.

Location.--Lat 34°30'55", long 82°39'35", Anderson County, Hydrologic Unit 03060103, at culvert on Lee Street (State secondary road 622), 1.1 mi northwest of Anderson City Hall, and 2.1 mi upstream from the mouth at Big Generostee Creek.

Period of record.-- December 18, 1985 to October 20, 1989.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to the upstream headwall. A sealed intake pipe extends 18 ft upstream from the triple 5.9-ft reinforced concrete pipe culvert headwall. The gage is not capable of recording stages less than 0.25 ft above the concrete-lined channel bottom. A single crest-stage indicator is attached to the downstream headwall.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 8.8 ft^3/s. The stage-streamflow relation was extended to 900 ft^3/s using theoretical step-backwater computational methods.

Rain gage and location.--Station 343055082393200, lat 34°30'55", long 82°39'32". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval attached to the downstream headwall at the Lee Street (State secondary road 622) crossing of Whitner Creek, 1.1 mi northwest of Anderson City Hall.

Selected basin characteristics.--

Drainage area -- 0.77 mi^2
Physiographic province -- Piedmont
Channel slope -- 79.4 ft/mi
Channel length -- 1.30 mi
Total impervious area -- 32.0 percent
Basin development factor -- 12
2-year, 2-hour rainfall amount -- 2.15 in.

Flood frequency data:	UQ_2	687 ft^3/s
	UQ_5	1,060 ft^3/s
	UQ_{10}	1,290 ft^3/s
	UQ_{25}	1,580 ft^3/s
	UQ_{50}	1,780 ft^3/s
	UQ_{100}	1,970 ft^3/s
	UQ_{500}	2,390 ft^3/s

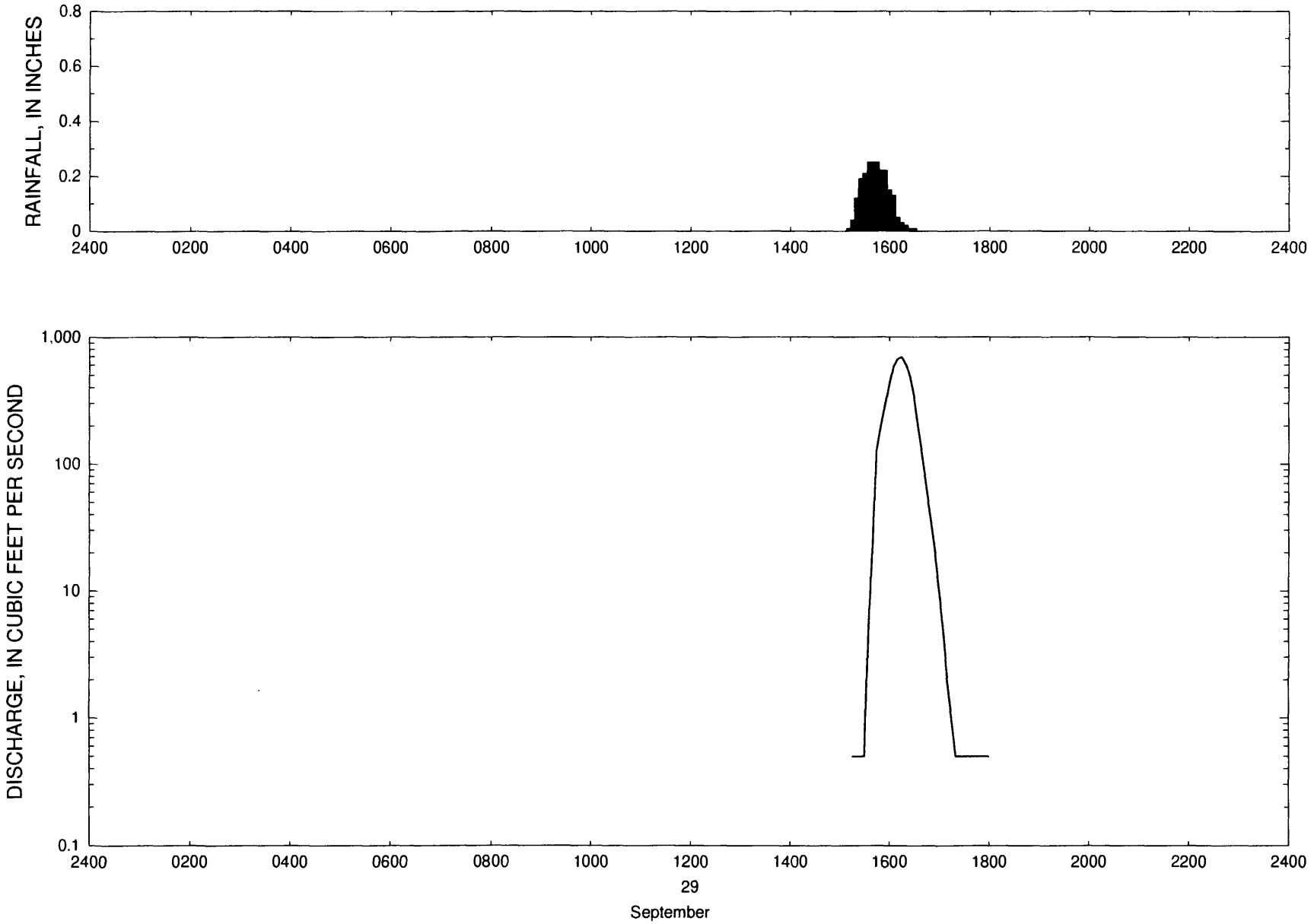


Figure 149.--Streamflow and rainfall at station 02187260, Whitner Creek at Anderson, September 29, 1988.

Table 148.--Streamflow and rainfall at station 02187260, Whitner Creek at Anderson, September 29, 1986

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
September 29, 1986			1610	669.0	0.03	1710	2.0	0.00
1515	0.5	0.01	1615	696.0	0.02	1715	1.0	0.00
1520	0.5	0.04	1620	599.0	0.01	1720	0.5	0.00
1525	0.5	0.12	1625	489.0	0.01	1725	0.5	0.00
1530	0.5	0.19	1630	334.0	0.00	1730	0.5	0.00
1535	5.0	0.21	1635	188.0	0.00	1735	0.5	0.00
1540	23.7	0.25	1640	112.0	0.00	1740	0.5	0.00
1545	134.0	0.21	1645	65.0	0.00	1745	0.5	0.00
1550	200.0	0.22	1650	37.9	0.00	1750	0.5	0.00
1555	284.0	0.15	1655	20.5	0.00	1755	0.5	0.00
1600	422.0	0.13	1700	10.0	0.00	1800	0.5	0.00
1605	587.0	0.05	1705	5.0	0.00			

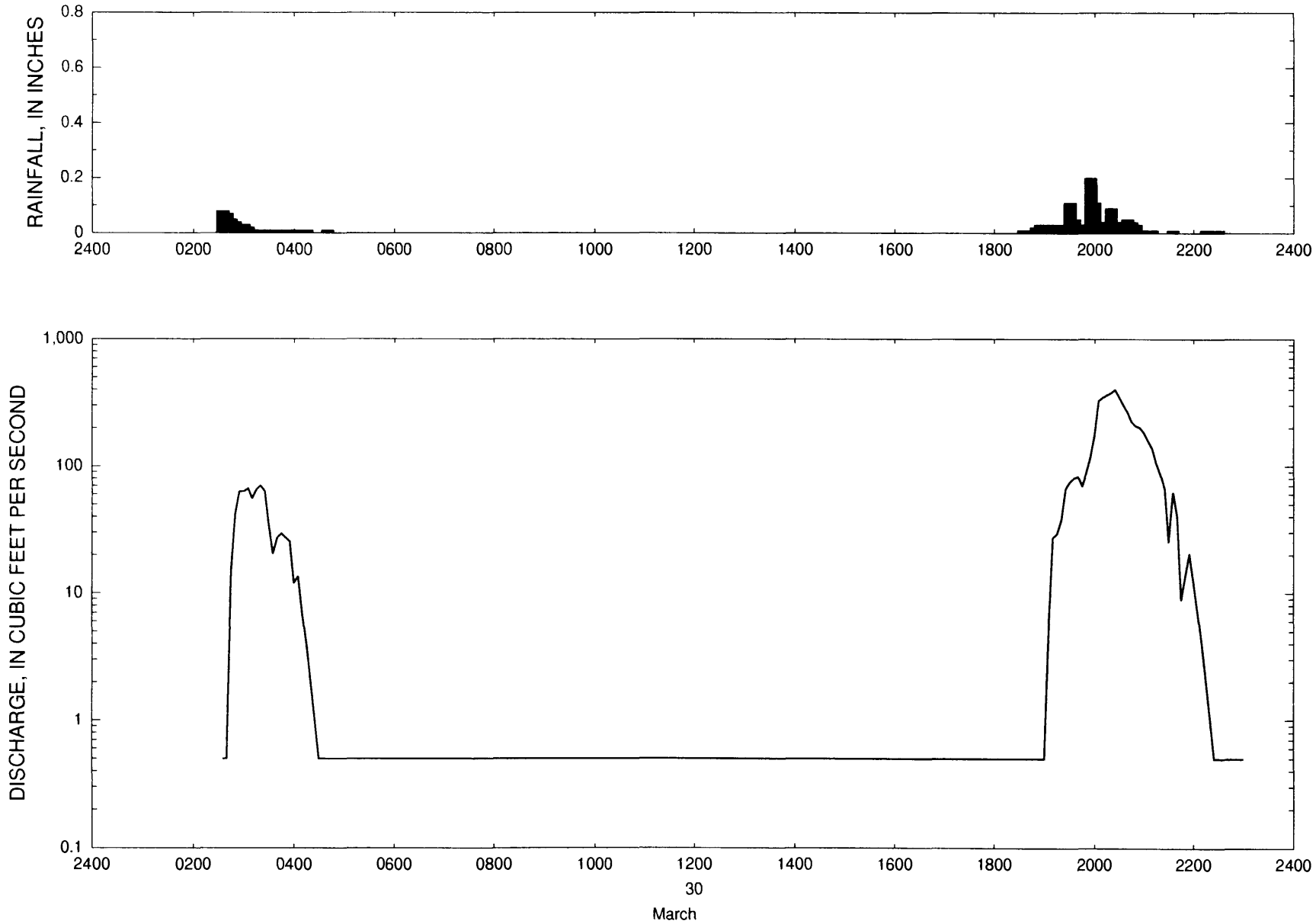


Figure 150.--Streamflow and rainfall at station 02187260, Whitner Creek at Anderson, March 30, 1987.

Table 149.--Streamflow and rainfall at station 02187260, Whitner Creek at Anderson, March 30, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
March 30, 1987			0755	0.5	0.00	1320	0.5	0.00
0235	0.5	0.08	0800	0.5	0.00	1325	0.5	0.00
0240	0.5	0.07	0805	0.5	0.00	1330	0.5	0.00
0245	15.0	0.05	0810	0.5	0.00	1335	0.5	0.00
0250	41.7	0.04	0815	0.5	0.00	1340	0.5	0.00
0255	63.0	0.03	0820	0.5	0.00	1345	0.5	0.00
0300	63.0	0.03	0825	0.5	0.00	1350	0.5	0.00
0305	66.7	0.02	0830	0.5	0.00	1355	0.5	0.00
0310	55.5	0.01	0835	0.5	0.00	1400	0.5	0.00
0315	65.0	0.01	0840	0.5	0.00	1405	0.5	0.00
0320	70.1	0.00	0845	0.5	0.00	1410	0.5	0.00
0325	63.0	0.01	0850	0.5	0.00	1415	0.5	0.00
0330	34.0	0.00	0855	0.5	0.00	1420	0.5	0.00
0335	20.5	0.01	0900	0.5	0.00	1425	0.5	0.00
0340	27.4	0.01	0905	0.5	0.00	1430	0.5	0.00
0345	29.5	0.00	0910	0.5	0.00	1435	0.5	0.00
0350	27.4	0.01	0915	0.5	0.00	1440	0.5	0.00
0355	25.5	0.00	0920	0.5	0.00	1445	0.5	0.00
0400	12.0	0.01	0925	0.5	0.00	1450	0.5	0.00
0405	13.6	0.00	0930	0.5	0.00	1455	0.5	0.00
0410	7.0	0.00	0935	0.5	0.00	1500	0.5	0.00
0415	4.0	0.01	0940	0.5	0.00	1505	0.5	0.00
0420	2.0	0.00	0945	0.5	0.00	1510	0.5	0.00
0425	1.0	0.00	0950	0.5	0.00	1515	0.5	0.00
0430	0.5	0.00	0955	0.5	0.00	1520	0.5	0.00
0435	0.5	0.00	1000	0.5	0.00	1525	0.5	0.00
0440	0.5	0.01	1005	0.5	0.00	1530	0.5	0.00
0445	0.5	0.00	1010	0.5	0.00	1535	0.5	0.00
0450	0.5	0.00	1015	0.5	0.00	1540	0.5	0.00
0455	0.5	0.00	1020	0.5	0.00	1545	0.5	0.00
0500	0.5	0.00	1025	0.5	0.00	1550	0.5	0.00
0505	0.5	0.00	1030	0.5	0.00	1555	0.5	0.00
0510	0.5	0.00	1035	0.5	0.00	1600	0.5	0.00
0515	0.5	0.00	1040	0.5	0.00	1605	0.5	0.00
0520	0.5	0.00	1045	0.5	0.00	1610	0.5	0.00
0525	0.5	0.00	1050	0.5	0.00	1615	0.5	0.00
0530	0.5	0.00	1055	0.5	0.00	1620	0.5	0.00
0535	0.5	0.00	1100	0.5	0.00	1625	0.5	0.00
0540	0.5	0.00	1105	0.5	0.00	1630	0.5	0.00
0545	0.5	0.00	1110	0.5	0.00	1635	0.5	0.00
0550	0.5	0.00	1115	0.5	0.00	1640	0.5	0.00
0555	0.5	0.00	1120	0.5	0.00	1645	0.5	0.00
0600	0.5	0.00	1125	0.5	0.00	1650	0.5	0.00
0605	0.5	0.00	1130	0.5	0.00	1655	0.5	0.00
0610	0.5	0.00	1135	0.5	0.00	1700	0.5	0.00
0615	0.5	0.00	1140	0.5	0.00	1705	0.5	0.00
0620	0.5	0.00	1145	0.5	0.00	1710	0.5	0.00
0625	0.5	0.00	1150	0.5	0.00	1715	0.5	0.00
0630	0.5	0.00	1155	0.5	0.00	1720	0.5	0.00
0635	0.5	0.00	1200	0.5	0.00	1725	0.5	0.00
0640	0.5	0.00	1205	0.5	0.00	1730	0.5	0.00
0645	0.5	0.00	1210	0.5	0.00	1735	0.5	0.00
0650	0.5	0.00	1215	0.5	0.00	1740	0.5	0.00
0655	0.5	0.00	1220	0.5	0.00	1745	0.5	0.00
0700	0.5	0.00	1225	0.5	0.00	1750	0.5	0.00
0705	0.5	0.00	1230	0.5	0.00	1755	0.5	0.00
0710	0.5	0.00	1235	0.5	0.00	1800	0.5	0.00
0715	0.5	0.00	1240	0.5	0.00	1805	0.5	0.00
0720	0.5	0.00	1245	0.5	0.00	1810	0.5	0.00
0725	0.5	0.00	1250	0.5	0.00	1815	0.5	0.00
0730	0.5	0.00	1255	0.5	0.00	1820	0.5	0.00
0735	0.5	0.00	1300	0.5	0.00	1825	0.5	0.00
0740	0.5	0.00	1305	0.5	0.00	1830	0.5	0.00
0745	0.5	0.00	1310	0.5	0.00	1835	0.5	0.01
0750	0.5	0.00	1315	0.5	0.00	1840	0.5	0.01

Table 149.--Streamflow and rainfall at station 02187260, Whitner Creek at Anderson, March 30, 1987--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
1845	0.5	0.01	2015	364.0	0.04	2145	8.8	0.00
1850	0.5	0.02	2020	379.0	0.09	2150	13.6	0.00
1855	0.5	0.03	2025	402.0	0.04	2155	20.5	0.00
1900	0.5	0.03	2030	351.0	0.02	2200	12.0	0.00
1905	5.0	0.03	2035	305.0	0.03	2205	7.0	0.00
1910	27.4	0.02	2040	268.0	0.05	2210	4.0	0.00
1915	29.5	0.02	2045	224.0	0.04	2215	2.0	0.01
1920	37.9	0.03	2050	209.0	0.03	2220	1.0	0.00
1925	66.7	0.02	2055	202.0	0.01	2225	0.5	0.00
1930	75.4	0.11	2100	185.0	0.01	2230	0.5	0.01
1935	81.0	0.05	2105	160.0	0.00	2235	0.5	0.00
1940	83.0	0.02	2110	139.0	0.01	2240	0.5	0.00
1945	70.1	0.02	2115	106.0	0.00	2245	0.5	0.00
1950	88.9	0.03	2120	85.9	0.00	2250	0.5	0.00
1955	118.0	0.20	2125	66.7	0.00	2255	0.5	0.00
2000	175.0	0.11	2130	25.5	0.00	2300	0.5	0.00
2005	328.0	0.02	2135	63.0	0.01			
2010	348.0	0.04	2140	40.0	0.00			

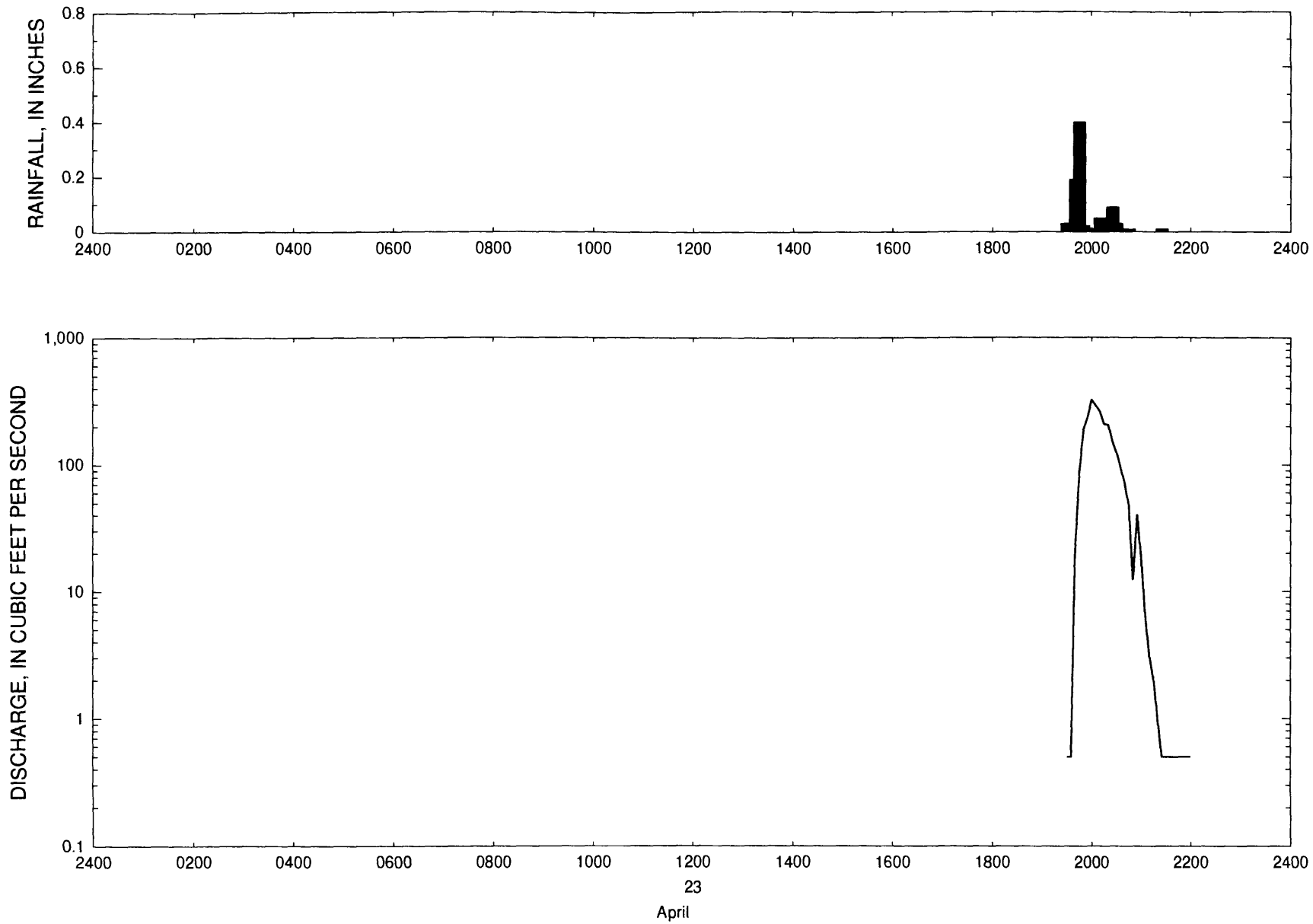


Figure 151.--Streamflow and rainfall at station 02187260, Whitner Creek at Anderson, April 23, 1987.

Table 150.--Streamflow and rainfall at station 02187260, Whitner Creek at Anderson, April 23, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
April 23, 1987			2020	206.0	0.01	2115	2.0	0.00
1930	0.5	0.03	2025	154.0	0.09	2120	1.0	0.00
1935	0.5	0.03	2030	124.0	0.03	2125	0.5	0.01
1940	20.0	0.19	2035	95.2	0.01	2130	0.5	0.00
1945	85.9	0.40	2040	71.8	0.00	2135	0.5	0.00
1950	188.0	0.02	2045	47.0	0.01	2140	0.5	0.00
1955	236.0	0.00	2050	12.0	0.00	2145	0.5	0.00
2000	325.0	0.01	2055	40.0	0.00	2150	0.5	0.00
2005	292.0	0.01	2100	18.7	0.00	2155	0.5	0.00
2010	260.0	0.05	2105	6.3	0.00	2200	0.5	0.00
2015	209.0	0.02	2110	3.0	0.00			

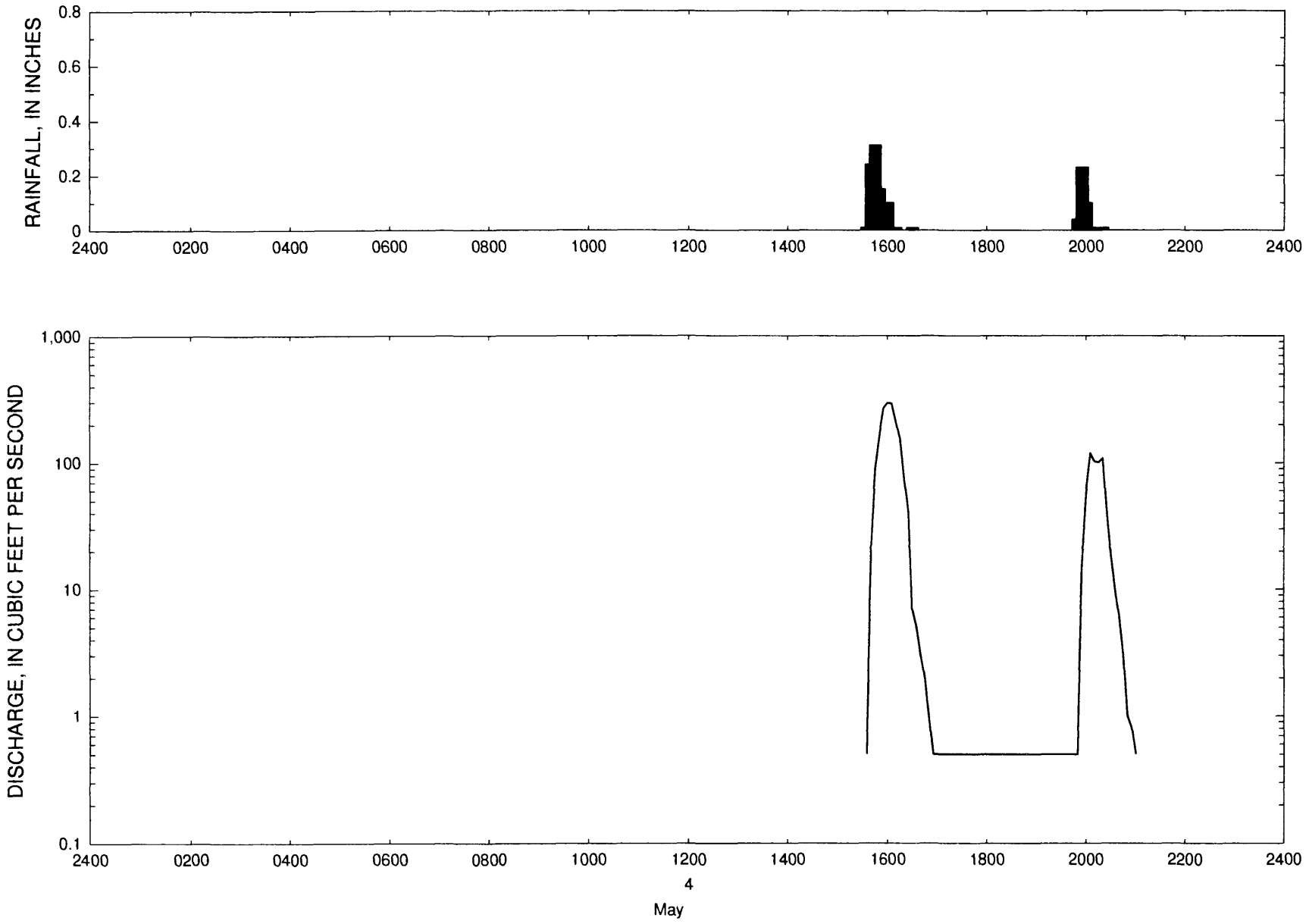


Figure 152.--Streamflow and rainfall at station 02187260, Whitner Creek at Anderson, May 4, 1987.

Table 151.--Streamflow and rainfall at station 02187260, Whitner Creek at Anderson, May 4, 1987

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
May 4, 1987			1725	0.5	0.00	1920	0.5	0.00
1535	0.5	0.01	1730	0.5	0.00	1925	0.5	0.00
1540	20.0	0.24	1735	0.5	0.00	1930	0.5	0.00
1545	88.9	0.31	1740	0.5	0.00	1935	0.5	0.00
1550	162.0	0.15	1745	0.5	0.00	1940	0.5	0.00
1555	268.0	0.04	1750	0.5	0.00	1945	0.5	0.00
1600	297.0	0.10	1755	0.5	0.00	1950	0.5	0.04
1605	292.0	0.00	1800	0.5	0.00	1955	15.0	0.23
1610	213.0	0.01	1805	0.5	0.00	2000	59.2	0.10
1615	154.0	0.00	1810	0.5	0.00	2005	119.0	0.01
1620	75.4	0.00	1815	0.5	0.00	2010	103.0	0.00
1625	40.0	0.00	1820	0.5	0.00	2015	101.0	0.00
1630	7.0	0.01	1825	0.5	0.00	2020	109.0	0.01
1635	5.0	0.00	1830	0.5	0.00	2025	40.0	0.00
1640	3.0	0.00	1835	0.5	0.00	2030	18.7	0.00
1645	2.0	0.00	1840	0.5	0.00	2035	10.0	0.00
1650	1.0	0.00	1845	0.5	0.00	2040	6.0	0.00
1655	0.5	0.00	1850	0.5	0.00	2045	3.0	0.00
1700	0.5	0.00	1855	0.5	0.00	2050	1.0	0.00
1705	0.5	0.00	1900	0.5	0.00	2055	0.8	0.00
1710	0.5	0.00	1905	0.5	0.00	2100	0.5	0.00
1715	0.5	0.00	1910	0.5	0.00			
1720	0.5	0.00	1915	0.5	0.00			

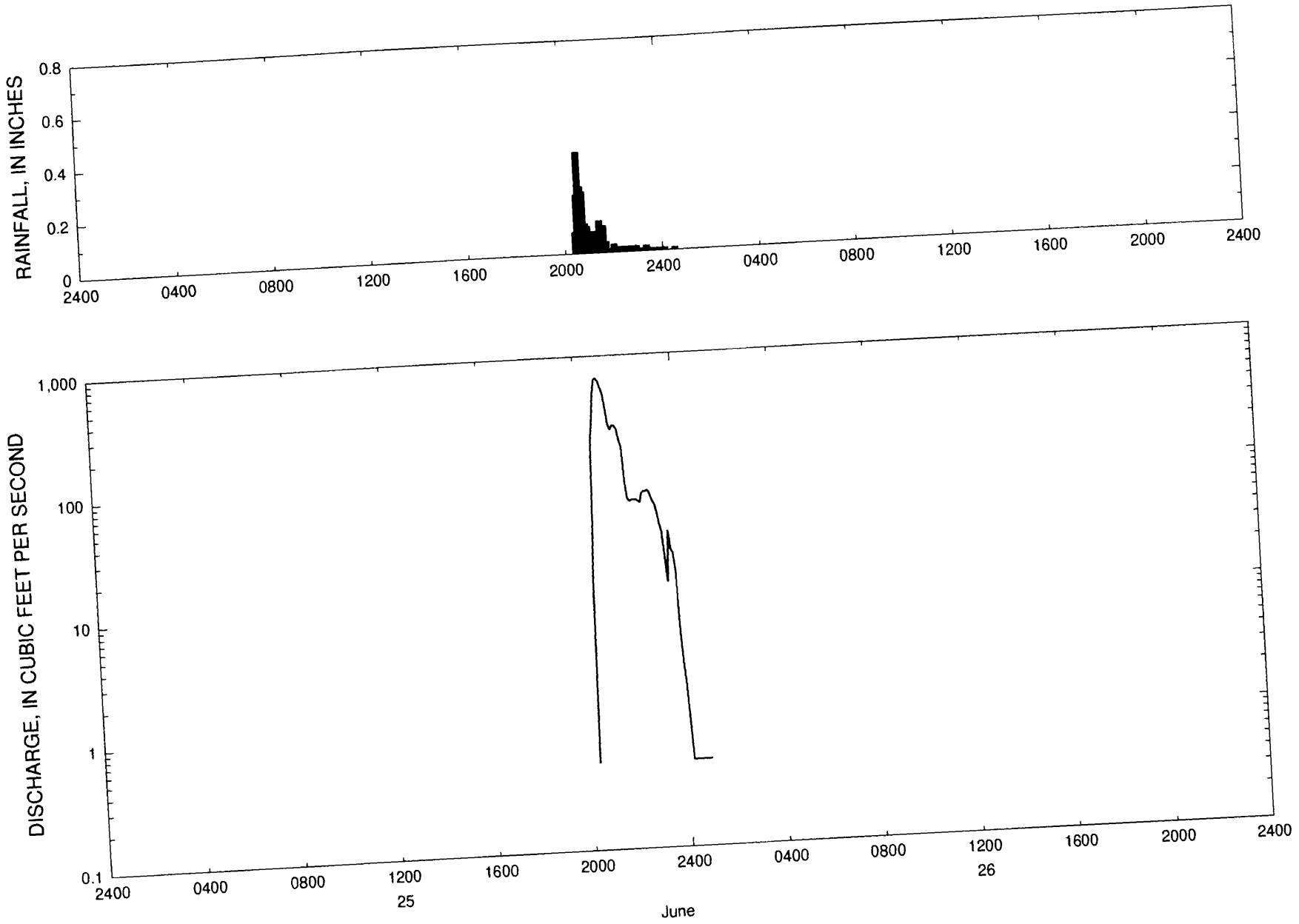


Figure 153.--Streamflow and rainfall at station 02187260, Whitner Creek at Anderson, June 25-26, 1987.

Table 152.--Streamflow and rainfall at station 02187260, Whitner Creek at Anderson, June 25-26, 1987

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
June 25, 1987			2155	93.6	0.01	2335	35.9	0.00
2020	0.5	0.00	2200	68.3	0.03	2340	25.5	0.01
2025	15.0	0.08	2205	65.0	0.02	2345	23.7	0.00
2030	41.7	0.22	2210	66.7	0.02	2350	17.0	0.01
2035	209.0	0.38	2215	66.7	0.02	2355	5.6	0.00
2040	294.0	0.25	2220	66.7	0.02	June 26, 1987		
2045	496.0	0.23	2225	65.0	0.02	0000	3.0	0.00
2050	646.0	0.11	2230	63.0	0.02	0005	2.0	0.01
2055	660.0	0.10	2235	75.4	0.02	0010	1.0	0.00
2100	625.0	0.08	2240	77.2	0.02	0015	0.5	0.00
2105	558.0	0.05	2245	77.2	0.01	0020	0.5	0.00
2110	500.0	0.03	2250	79.1	0.01	0025	0.5	0.00
2115	376.0	0.08	2255	73.6	0.02	0030	0.5	0.01
2120	276.0	0.05	2300	65.0	0.01	0035	0.5	0.00
2125	250.0	0.12	2305	61.1	0.01	0040	0.5	0.00
2130	270.0	0.10	2310	52.0	0.01	0045	0.5	0.00
2135	270.0	0.10	2315	41.7	0.01	0050	0.5	0.00
2140	253.0	0.04	2320	35.9	0.02	0055	0.5	0.00
2145	206.0	0.01	2325	22.1	0.01	0100	0.5	0.00
2150	179.0	0.01	2330	13.6	0.01			

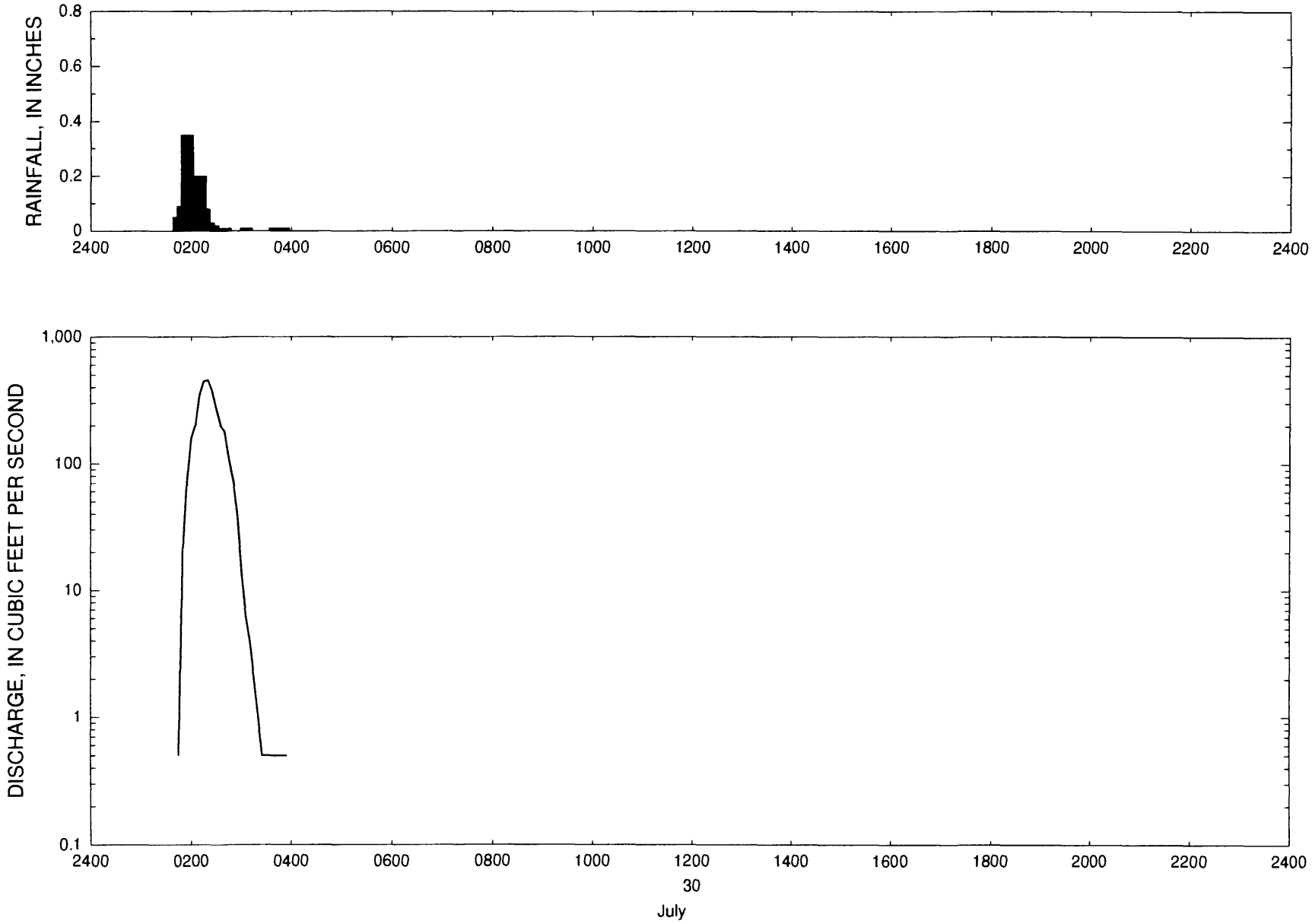


Figure 154.--Streamflow and rainfall at station 02187260, Whitner Creek at Anderson, July 30, 1987.

Table 153.--Streamflow and rainfall at station 02187260, Whitner Creek at Anderson, July 30, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
July 30, 1987			0230	273.0	0.01	0320	1.0	0.01
0145	0.5	0.05	0235	200.0	0.00	0325	0.5	0.01
0150	20.0	0.09	0240	181.0	0.01	0330	0.5	0.00
0155	75.4	0.35	0245	110.0	0.00	0335	0.5	0.00
0200	158.0	0.16	0250	73.6	0.00	0340	0.5	0.01
0205	202.0	0.19	0255	40.0	0.00	0345	0.5	0.01
0210	351.0	0.20	0300	13.6	0.00	0350	0.5	0.01
0215	446.0	0.08	0305	6.3	0.01	0355	0.5	0.00
0220	456.0	0.03	0310	4.0	0.00	0400	0.5	0.01
0225	379.0	0.02	0315	2.0	0.00			

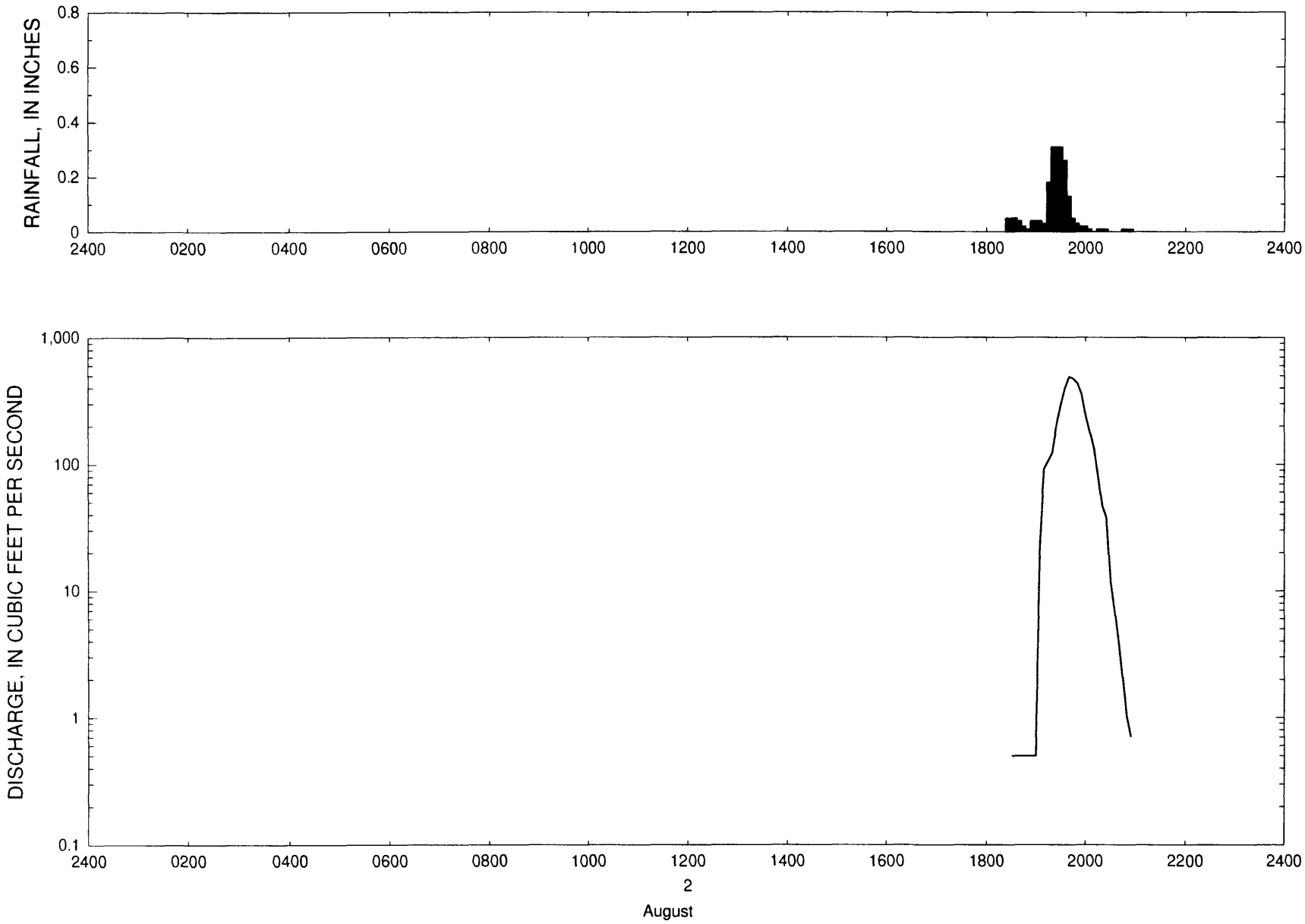


Figure 155.--Streamflow and rainfall at station 02187260, Whitner Creek at Anderson, August 2, 1987.

Table 154.--Streamflow and rainfall at station 02187260, Whitner Creek at Anderson, August 2, 1987

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
August 2, 1987			1920	124.0	0.18	2015	81.0	0.00
1830	0.5	0.05	1925	202.0	0.31	2020	47.0	0.01
1835	0.5	0.04	1930	292.0	0.26	2025	37.9	0.00
1840	0.5	0.02	1935	398.0	0.13	2030	12.0	0.00
1845	0.5	0.01	1940	489.0	0.05	2035	7.0	0.00
1850	0.5	0.01	1945	474.0	0.03	2040	4.0	0.00
1855	0.5	0.00	1950	435.0	0.02	2045	2.0	0.00
1900	0.5	0.04	1955	361.0	0.02	2050	1.0	0.01
1905	20.0	0.03	2000	248.0	0.01	2055	0.7	0.00
1910	92.0	0.01	2005	183.0	0.00	2100	0.5	0.00
1915	106.0	0.03	2010	134.0	0.00			

Station 02187268, Dye Creek at Anderson, S.C.

Location.—Lat 34°30'01", long 82 40'13", Anderson County Hydrologic Unit 03060103, at culvert on Market Street (State secondary road 22), 1.2 mi west of Anderson City Hall, and 0.5 mi upstream from the mouth at Generostee Creek.

Period of record.-- January 30, 1986 to November 1, 1990.

Gage.--Digital stage recorder with 5-minute punch interval. The recorder is housed in a metal shelter atop a stilling well attached to the right upstream webwall of a triple barrel 10.1 ft by 7.6 ft concrete box culvert. A sealed intake pipe extends 40 ft upstream to a separate stilling basin (sand trap) with a removable lid. One crest-stage indicator is located on the right downstream wingwall. A second crest-stage indicator is located on the left bank 40 ft upstream from the culvert.

Rating.--The stage-streamflow relation is defined by current meter measurements up to 266 ft^3/s. The stage-streamflow relation was extended to 810 ft^3/s using indirect computational methods.

Rain gage and location.--Station 343001082401300, lat 34°30'01", long 82°40'13". A shelter containing a digital cumulative rainfall recorder with a 5-minute punch interval attached to the right downstream wingwall of the culvert at Market Street (State secondary road 22), approximately 1.2 mi west of Anderson City Hall, and 0.5 mi upstream from the mouth at Generostee Creek.

Selected basin characteristics.--

Drainage area -- 2.85 mi^2
Physiographic province -- Piedmont
Channel slope -- 43.8 ft/mi
Channel length -- 2.77 mi
Total impervious area -- 20.0 percent
Basin development factor -- 3
2-year, 2-hour rainfall amount -- 2.15 in.

Flood frequency data:	UQ_2	616 ft^3/s
	UQ_5	952 ft^3/s
	UQ_{10}	1,210 ft^3/s
	UQ_{25}	1,560 ft^3/s
	UQ_{50}	1,850 ft^3/s
	UQ_{100}	2,170 ft^3/s
	UQ_{500}	2,990 ft^3/s

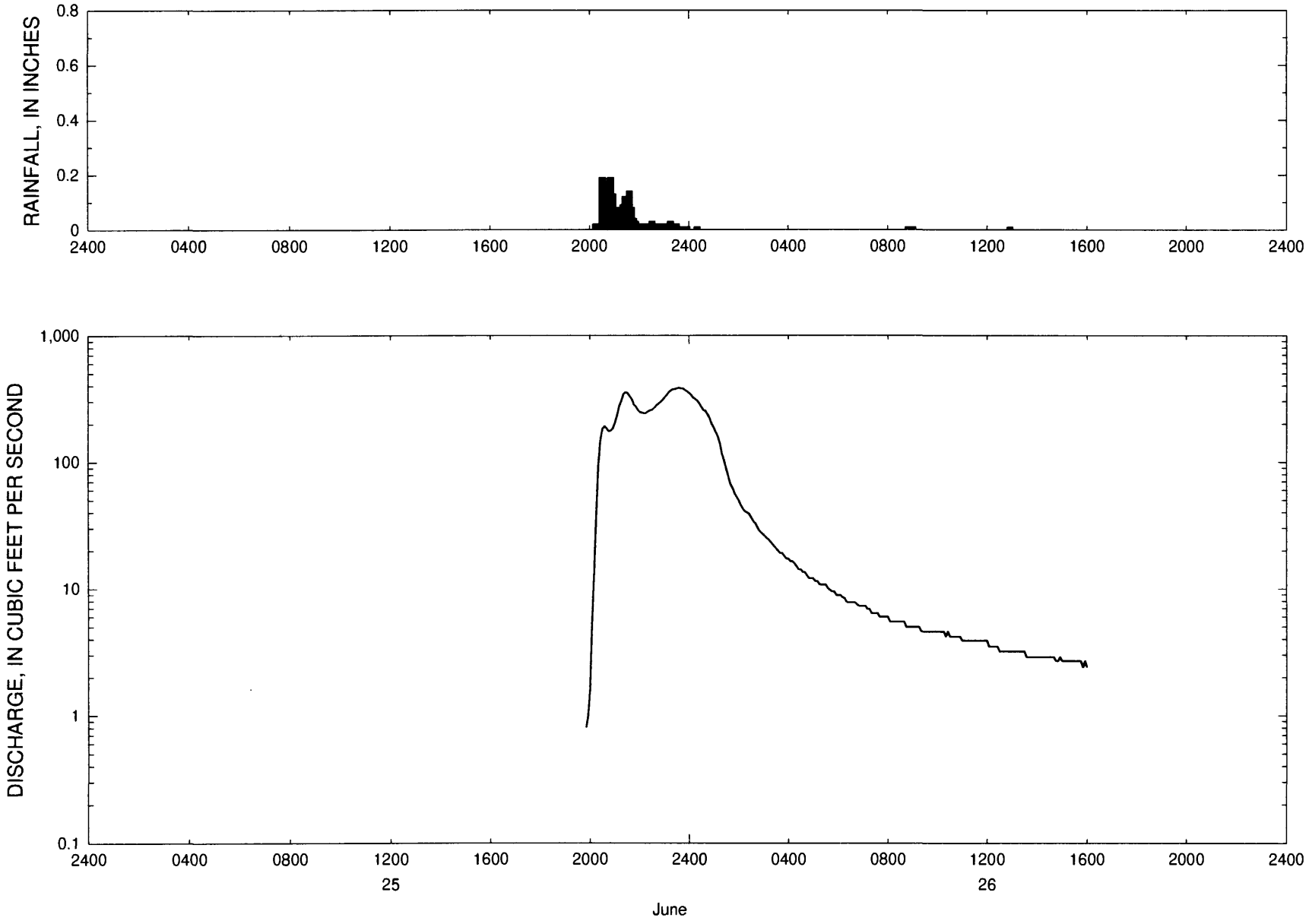


Figure 156.--Streamflow and rainfall at station 02187268, Dve Creek at Anderson, June 25-26, 1987.

Table 155.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, June 25-26, 1987

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 25, 1987			0105	171.0	0.00	0630	7.8	0.00
1950	0.8	0.00	0110	159.0	0.00	0635	7.8	0.00
1955	1.0	0.00	0115	139.0	0.00	0640	7.8	0.00
2000	1.6	0.00	0120	115.0	0.00	0645	7.5	0.00
2005	5.5	0.00	0125	103.0	0.00	0650	7.3	0.00
2010	12.1	0.00	0130	89.2	0.00	0655	7.3	0.00
2015	34.8	0.02	0135	77.8	0.00	0700	7.3	0.00
2020	93.7	0.01	0140	67.4	0.00	0705	7.3	0.00
2025	151.0	0.02	0145	62.4	0.00	0710	6.9	0.00
2030	184.0	0.19	0150	56.5	0.00	0715	6.9	0.00
2035	192.0	0.15	0155	53.2	0.00	0720	6.4	0.00
2040	185.0	0.15	0200	50.0	0.00	0725	6.4	0.00
2045	175.0	0.14	0205	45.9	0.00	0730	6.4	0.00
2050	177.0	0.19	0210	42.9	0.00	0735	6.4	0.00
2055	184.0	0.13	0215	40.9	0.00	0740	6.0	0.00
2100	204.0	0.08	0220	40.0	0.00	0745	6.0	0.00
2105	232.0	0.03	0225	39.1	0.00	0750	6.0	0.00
2110	274.0	0.05	0230	36.5	0.00	0755	6.0	0.00
2115	304.0	0.08	0235	34.0	0.00	0800	6.0	0.00
2120	344.0	0.09	0240	32.9	0.00	0805	5.5	0.00
2125	356.0	0.12	0245	30.7	0.00	0810	5.5	0.00
2130	350.0	0.11	0250	28.7	0.00	0815	5.5	0.00
2135	332.0	0.14	0255	27.7	0.00	0820	5.5	0.00
2140	314.0	0.08	0300	26.7	0.00	0825	5.5	0.00
2145	284.0	0.04	0305	25.8	0.00	0830	5.5	0.00
2150	274.0	0.03	0310	24.9	0.00	0835	5.5	0.00
2155	256.0	0.02	0315	24.0	0.00	0840	5.5	0.00
2200	247.0	0.01	0320	22.9	0.00	0845	5.0	0.00
2205	245.0	0.02	0325	21.9	0.00	0850	5.0	0.01
2210	242.0	0.01	0330	20.9	0.00	0855	5.0	0.00
2215	244.0	0.02	0335	20.0	0.00	0900	5.0	0.01
2220	251.0	0.01	0340	19.1	0.00	0905	5.0	0.00
2225	256.0	0.02	0345	19.1	0.00	0910	5.0	0.00
2230	259.0	0.03	0350	18.2	0.00	0915	5.0	0.00
2235	268.0	0.02	0355	17.3	0.00	0920	4.6	0.00
2240	280.0	0.02	0400	17.3	0.00	0925	4.6	0.00
2245	289.0	0.02	0405	16.5	0.00	0930	4.6	0.00
2250	298.0	0.01	0410	16.5	0.00	0935	4.6	0.00
2255	309.0	0.02	0415	15.8	0.00	0940	4.6	0.00
2300	324.0	0.01	0420	15.0	0.00	0945	4.6	0.00
2305	338.0	0.02	0425	14.2	0 00	0950	4.6	0.00
2310	356.0	0.02	0430	14.2	0.00	0955	4.6	0.00
2315	367.0	0.03	0435	13.5	0.00	1000	4.6	0.00
2320	375.0	0.01	0440	13.5	0.00	1005	4.6	0.00
2325	376.0	0.02	0445	12.8	0.00	1010	4.6	0.00
2330	381.0	0.02	0450	12.1	0.00	1015	4.6	0.00
2335	385.0	0.01	0455	12.1	0.00	1020	4.2	0.00
2340	381.0	0.01	0500	12.1	0.00	1025	4.6	0.00
2345	381.0	0.00	0505	11.5	0.00	1030	4.2	0.00
2350	370.0	0.00	0510	11.5	0 00	1035	4.2	0.00
2355	361.0	0.01	0515	10.8	0.00	1040	4.2	0.00
June 26, 1987			0520	10.8	0.00	1045	4.2	0.00
0000	350.0	0.00	0525	10.8	0.00	1050	4.2	0.00
0005	339.0	0.00	0530	10.8	0.00	1055	4.2	0.00
0010	322.0	0.00	0535	10.1	0 00	1100	3.9	0.00
0015	315.0	0.00	0540	9.8	0.00	1105	3.9	0.00
0020	304.0	0.01	0545	9 5	0.00	1110	3.9	0.00
0025	289.0	0.00	0550	9.5	0.00	1115	3.9	0.00
0030	272.0	0.00	0555	8.9	0.00	1120	3.9	0.00
0035	256.0	0 00	0600	8.9	0.00	1125	3.9	0.00
0040	254 0	0.00	0605	8.9	0.00	1130	3.9	0.00
0045	238.0	0.00	0610	8.6	0.00	1135	3.9	0.00
0050	221.0	0.00	0615	8.4	0.00	1140	3.9	0.00
0055	200 0	0.00	0620	7.8	0.00	1145	3.9	0.00
0100	187 0	0.00	0625	7.8	0.00	1150	3.9	0.00

Table 155.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, June 25-26, 1987--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
1155	3.9	0.00	1320	3.2	0.00	1445	2.7	0.00
1200	3.9	0.00	1325	3.2	0.00	1450	2.7	0.00
1205	3.5	0.00	1330	3.2	0.00	1455	2.9	0.00
1210	3.5	0.00	1335	2.9	0.00	1500	2.7	0.00
1215	3.5	0.00	1340	2.9	0.00	1505	2.7	0.00
1220	3.5	0.00	1345	2.9	0.00	1510	2.7	0.00
1225	3.5	0.00	1350	2.9	0.00	1515	2.7	0.00
1230	3.2	0.00	1355	2.9	0.00	1520	2.7	0.00
1235	3.2	0.00	1400	2.9	0.00	1525	2.7	0.00
1240	3.2	0.00	1405	2.9	0.00	1530	2.7	0.00
1245	3.2	0.00	1410	2.9	0.00	1535	2.7	0.00
1250	3.2	0.00	1415	2.9	0.00	1540	2.7	0.00
1255	3.2	0.01	1420	2.9	0.00	1545	2.7	0.00
1300	3.2	0.00	1425	2.9	0.00	1550	2.4	0.00
1305	3.2	0.00	1430	2.9	0.00	1555	2.7	0.00
1310	3.2	0.00	1435	2.9	0.00	1600	2.4	0.00
1315	3.2	0.00	1440	2.9	0.00			

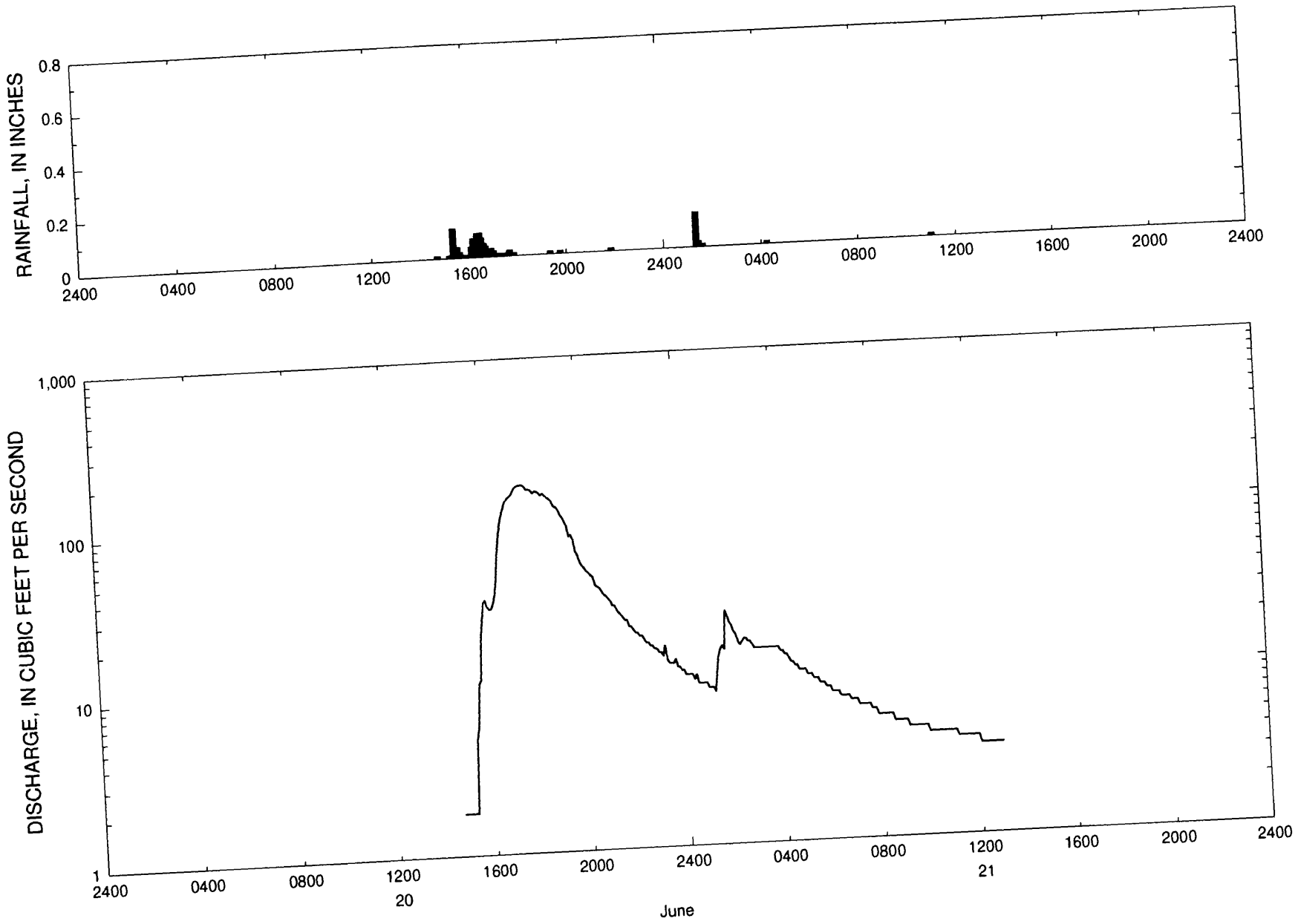


Figure 157.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, June 20-21, 1989.

Table 156.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, June 20-21, 1989

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
June 20, 1989			2000	53.2	0.00	0120	10.8	0.13
1440	1.8	0.01	2005	51.1	0.00	0125	13.5	0.02
1445	1.8	0.00	2010	49.0	0.00	0130	15.0	0.00
1450	1.8	0.00	2015	48.0	0.00	0135	15.8	0.01
1455	1.8	0.00	2020	45.9	0.00	0140	15.0	0.00
1500	1.8	0.00	2025	44.9	0.00	0145	25.8	0.00
1505	1.8	0.00	2030	40.0	0.00	0150	24.0	0.00
1510	1.8	0.01	2035	39.1	0.00	0155	21.9	0.00
1515	1.8	0.01	2040	38.2	0.00	0200	20.9	0.00
1520	5.0	0.11	2045	36.5	0.00	0205	19.1	0.00
1525	6.0	0.02	2050	34.8	0.00	0210	18.2	0.00
1530	10.8	0.04	2055	34.0	0.00	0215	16.5	0.00
1535	11.5	0.02	2100	32.9	0.00	0220	15.8	0.00
1540	20.9	0.00	2105	31.8	0.00	0225	16.5	0.00
1545	26.7	0.00	2110	29.7	0.00	0230	17.3	0.00
1550	34.0	0.01	2115	29.7	0.00	0235	17.3	0.00
1555	34.8	0.00	2120	27.7	0.00	0240	16.5	0.00
1600	31.8	0.01	2125	26.7	0.00	0245	16.5	0.00
1605	30.7	0.04	2130	25.8	0.00	0250	15.8	0.00
1610	30.7	0.07	2135	24.9	0.00	0255	15.0	0.00
1615	32.9	0.04	2140	24.0	0.00	0300	15.0	0.00
1620	37.3	0.09	2145	24.0	0.00	0305	15.0	0.00
1625	45.9	0.09	2150	21.9	0.01	0310	15.0	0.00
1630	64.9	0.07	2155	21.9	0.00	0315	15.0	0.00
1635	83.4	0.05	2200	20.9	0.00	0320	15.0	0.00
1640	101.0	0.04	2205	20.0	0.00	0325	15.0	0.00
1645	115.0	0.03	2210	20.0	0.00	0330	15.0	0.00
1650	126.0	0.00	2215	19.1	0.00	0335	15.0	0.00
1655	137.0	0.03	2220	19.1	0.00	0340	15.0	0.00
1700	141.0	0.02	2225	18.2	0.00	0345	15.0	0.00
1705	145.0	0.01	2230	17.3	0.00	0350	15.0	0.00
1710	149.0	0.01	2235	17.3	0.00	0355	15.0	0.00
1715	156.0	0.01	2240	16.5	0.00	0400	14.2	0.00
1720	164.0	0.00	2245	16.5	0.00	0405	14.2	0.00
1725	168.0	0.00	2250	15.8	0.00	0410	13.5	0.00
1730	170.0	0.01	2255	15.8	0.00	0415	13.5	0.01
1735	170.0	0.00	2300	15.0	0.00	0420	12.8	0.00
1740	170.0	0.02	2305	15.0	0.00	0425	12.1	0.00
1745	167.0	0.01	2310	14.2	0.00	0430	12.1	0.00
1750	160.0	0.01	2315	16.5	0.00	0435	11.5	0.00
1755	160.0	0.00	2320	13.5	0.00	0440	11.5	0.00
1800	158.0	0.00	2325	12.8	0.00	0445	10.8	0.00
1805	151.0	0.00	2330	12.8	0.00	0450	10.8	0.00
1810	155.0	0.00	2335	12.8	0.00	0455	10.8	0.00
1815	154.0	0.00	2340	13.5	0.00	0500	10.8	0.00
1820	151.0	0.00	2345	12.1	0.00	0505	10.1	0.00
1825	146.0	0.00	2350	12.1	0.00	0510	10.1	0.00
1830	149.0	0.00	2355	11.5	0.00	0515	10.1	0.00
1835	145.0	0.00	June 21, 1989			0520	9.5	0.00
1840	141.0	0.00	0000	11.5	0.00	0525	9.5	0.00
1845	138.0	0.00	0005	10.8	0.00	0530	9.5	0.00
1850	134.0	0.00	0010	10.8	0.00	0535	8.9	0.00
1855	124.0	0.00	0015	10.8	0.00	0540	8.9	0.00
1900	122.0	0.00	0020	10.8	0.00	0545	8.9	0.00
1905	118.0	0.00	0025	10.1	0.00	0550	8.4	0.00
1910	110.0	0.00	0030	10.8	0.00	0555	8.4	0.00
1915	106.0	0.00	0035	9.5	0.00	0600	8.4	0.00
1920	100.0	0.01	0040	9.5	0.00	0605	7.8	0.00
1925	93.7	0.00	0045	9.5	0.00	0610	7.8	0.00
1930	80.6	0.00	0050	9.5	0.00	0615	7.8	0.00
1935	82.0	0.00	0055	9.5	0.00	0620	7.8	0.00
1940	76.5	0.00	0100	8.9	0.00	0625	7.3	0.00
1945	64.9	0.01	0105	8.9	0.00	0630	7.3	0.00
1950	61.2	0.00	0110	8.9	0.00	0635	7.3	0.00
1955	55.4	0.00	0115	8.4	0.00	0640	7.3	0.00

Table 156.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, June 20-21, 1989--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
0645	7.3	0.00	0855	5.0	0.00	1105	4.2	0.00
0650	6.9	0.00	0900	5.0	0.00	1110	3.9	0.00
0655	6.9	0.00	0905	5.0	0.00	1115	3.9	0.00
0700	6.9	0.00	0910	4.6	0.00	1120	3.9	0.00
0705	6.9	0.00	0915	4.6	0.00	1125	3.9	0.00
0710	6.4	0.00	0920	4.6	0.00	1130	3.9	0.00
0715	6.4	0.00	0925	4.6	0.00	1135	3.9	0.00
0720	6.4	0.00	0930	4.6	0.00	1140	3.9	0.00
0725	6.4	0.00	0935	4.6	0.00	1145	3.9	0.00
0730	6.4	0.00	0940	4.6	0.00	1150	3.9	0.00
0735	6.4	0.00	0945	4.6	0.00	1155	3.9	0.00
0740	6.0	0.00	0950	4.6	0.00	1200	3.9	0.00
0745	6.0	0.00	0955	4.6	0.00	1205	3.5	0.00
0750	6.0	0.00	1000	4.2	0.00	1210	3.5	0.00
0755	5.5	0.00	1005	4.2	0.00	1215	3.5	0.00
0800	5.5	0.00	1010	4.2	0.00	1220	3.5	0.00
0805	5.5	0.00	1015	4.2	0.00	1225	3.5	0.00
0810	5.5	0.00	1020	4.2	0.00	1230	3.5	0.00
0815	5.5	0.00	1025	4.2	0.00	1235	3.5	0.00
0820	5.5	0.00	1030	4.2	0.00	1240	3.5	0.00
0825	5.5	0.00	1035	4.2	0.00	1245	3.5	0.00
0830	5.5	0.00	1040	4.2	0.00	1250	3.5	0.00
0835	5.0	0.00	1045	4.2	0.00	1255	3.5	0.00
0840	5.0	0.00	1050	4.2	0.00	1300	3.5	0.00
0845	5.0	0.00	1055	4.2	0.00			
0850	5.0	0.00	1100	4.2	0.01			

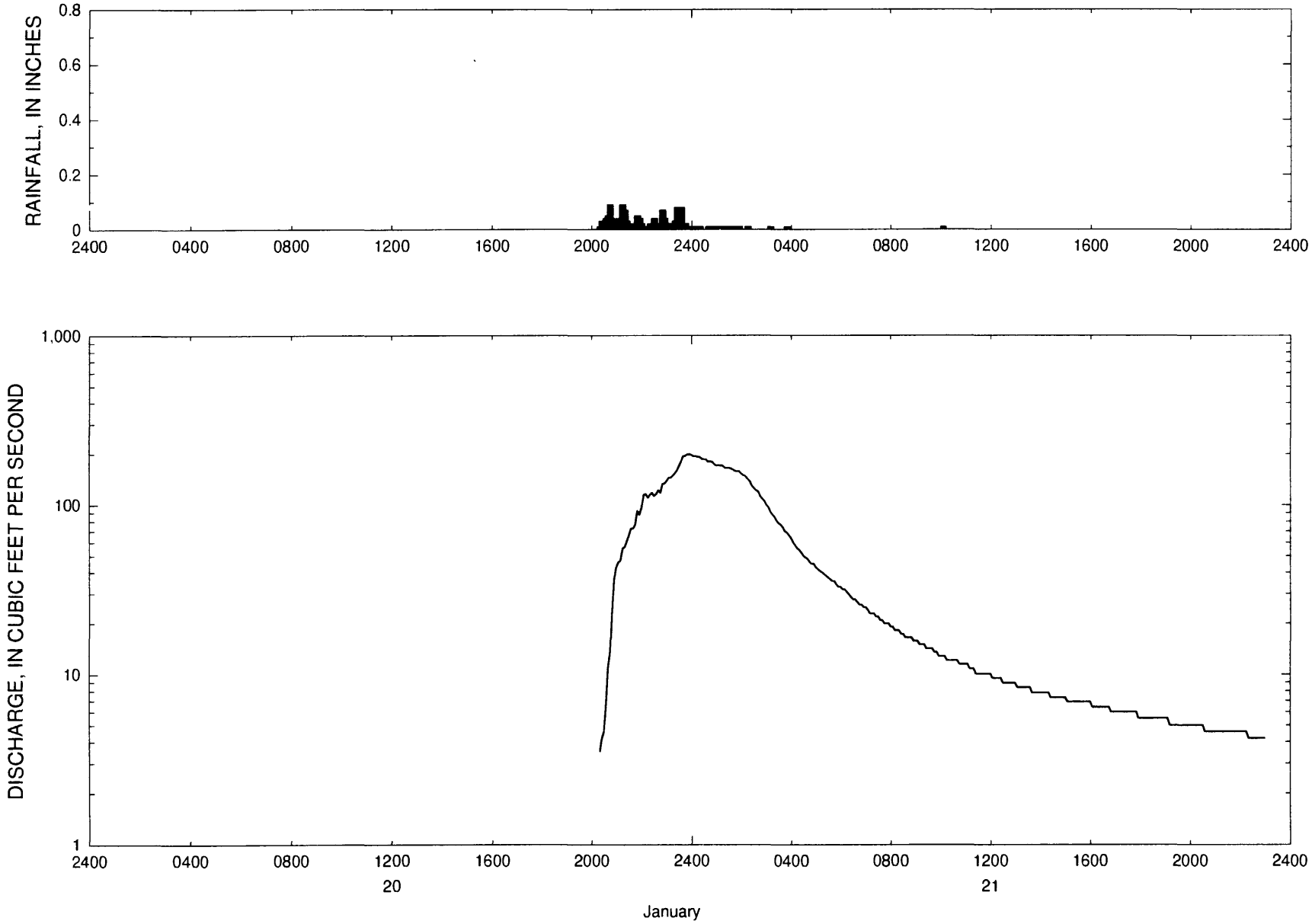


Figure 158.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, January 20-21, 1990.

Table 157.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, January 20-21, 1990

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
January 20, 1990			0135	164.0	0.01	0700	24.9	0.00
2020	3.5	0.01	0140	162.0	0.00	0705	24.0	0.00
2025	4.2	0.03	0145	159.0	0.01	0710	22.9	0.00
2030	4.6	0.02	0150	158.0	0.01	0715	22.9	0.00
2035	6.4	0.04	0155	158.0	0.01	0720	22.9	0.00
2040	10.8	0.05	0200	153.0	0.00	0725	21.9	0.00
2045	13.5	0.09	0205	150.0	0.00	0730	21.9	0.00
2050	24.0	0.04	0210	148.0	0.00	0735	20.9	0.00
2055	36.5	0.04	0215	142.0	0.01	0740	20.9	0.00
2100	42.9	0.04	0220	138.0	0.00	0745	20.0	0.00
2105	45.9	0.03	0225	130.0	0.00	0750	20.0	0.00
2110	46.9	0.01	0230	126.0	0.00	0755	20.0	0.00
2115	55.4	0.09	0235	122.0	0.00	0800	19.1	0.00
2120	56.5	0.07	0240	120.0	0.00	0805	19.1	0.00
2125	61.2	0.03	0245	113.0	0.00	0810	18.2	0.00
2130	66.1	0.02	0250	109.0	0.00	0815	18.2	0.00
2135	72.6	0.02	0255	106.0	0.00	0820	18.2	0.00
2140	72.6	0.01	0300	100.0	0.00	0825	17.3	0.00
2145	76.5	0.02	0305	96.8	0.00	0830	17.3	0.00
2150	92.2	0.05	0310	90.7	0.01	0835	16.5	0.00
2155	87.7	0.04	0315	87.7	0.00	0840	16.5	0.00
2200	96.8	0.02	0320	84.8	0.00	0845	16.5	0.00
2205	115.0	0.01	0325	80.6	0.00	0850	16.5	0.00
2210	116.0	0.01	0330	77.8	0.00	0855	15.8	0.00
2215	110.0	0.01	0335	76.5	0.00	0900	15.8	0.00
2220	115.0	0.02	0340	73.9	0.00	0905	15.8	0.00
2225	118.0	0.02	0345	70.0	0.00	0910	15.0	0.00
2230	113.0	0.04	0350	68.7	0.01	0915	15.0	0.00
2235	116.0	0.02	0355	66.1	0.00	0920	15.0	0.00
2240	122.0	0.02	0400	63.6	0.00	0925	14.2	0.00
2245	118.0	0.01	0405	60.0	0.00	0930	14.2	0.00
2250	133.0	0.07	0410	57.7	0.00	0935	14.2	0.00
2255	134.0	0.04	0415	55.4	0.00	0940	14.2	0.00
2300	139.0	0.01	0420	54.3	0.00	0945	13.5	0.00
2305	145.0	0.00	0425	52.2	0.00	0950	13.5	0.00
2310	145.0	0.02	0430	50.0	0.00	0955	12.8	0.00
2315	149.0	0.02	0435	49.0	0.00	1000	12.8	0.00
2320	154.0	0.03	0440	48.0	0.00	1005	12.8	0.01
2325	160.0	0.08	0445	45.9	0.00	1010	12.8	0.00
2330	170.0	0.04	0450	44.9	0.00	1015	12.1	0.00
2335	181.0	0.08	0455	44.9	0.00	1020	12.1	0.00
2340	194.0	0.02	0500	42.9	0.00	1025	12.1	0.00
2345	195.0	0.02	0505	41.9	0.00	1030	12.1	0.00
2350	199.0	0.00	0510	40.9	0.00	1035	12.1	0.00
2355	200.0	0.01	0515	40.0	0.00	1040	12.1	0.00
January 21, 1990			0520	39.1	0.00	1045	11.5	0.00
0000	197.0	0.00	0525	38.2	0.00	1050	11.5	0.00
0005	194.0	0.01	0530	37.3	0.00	1055	11.5	0.00
0010	195.0	0.00	0535	36.5	0.00	1100	11.5	0.00
0015	192.0	0.01	0540	35.6	0.00	1105	11.5	0.00
0020	192.0	0.01	0545	35.6	0.00	1110	10.8	0.00
0025	187.0	0.00	0550	34.0	0.00	1115	10.8	0.00
0030	186.0	0.00	0555	32.9	0.00	1120	10.8	0.00
0035	186.0	0.00	0600	32.9	0.00	1125	10.1	0.00
0040	180.0	0.01	0605	31.8	0.00	1130	10.1	0.00
0045	181.0	0.01	0610	31.8	0.00	1135	10.1	0.00
0050	180.0	0.00	0615	30.7	0.00	1140	10.1	0.00
0055	174.0	0.01	0620	29.7	0.00	1145	10.1	0.00
0100	171.0	0.00	0625	28.7	0.00	1150	10.1	0.00
0105	172.0	0.01	0630	27.7	0.00	1155	10.1	0.00
0110	171.0	0.00	0635	27.7	0.00	1200	10 1	0.00
0115	171.0	0.01	0640	26.7	0.00	1205	9.5	0.00
0120	166.0	0.00	0645	25.8	0.00	1210	9.5	0.00
0125	166.0	0.01	0650	25.8	0.00	1215	9.5	0.00
0130	166.0	0.00	0655	24.9	0.00	1220	9.5	0.00

Table 157.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, January 20-21, 1990--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
1225	9.5	0.00	1600	6.9	0.00	1935	5.0	0.00
1230	8.9	0.00	1605	6.4	0.00	1940	5.0	0.00
1235	8.9	0.00	1610	6.4	0.00	1945	5.0	0.00
1240	8.9	0.00	1615	6.4	0.00	1950	5.0	0.00
1245	8.9	0.00	1620	6.4	0.00	1955	5.0	0.00
1250	8.9	0.00	1625	6.4	0.00	2000	5.0	0.00
1255	8.9	0.00	1630	6.4	0.00	2005	5.0	0.00
1300	8.9	0.00	1635	6.4	0.00	2010	5.0	0.00
1305	8.4	0.00	1640	6.4	0.00	2015	5.0	0.00
1310	8.4	0.00	1645	6.4	0.00	2020	5.0	0.00
1315	8.4	0.00	1650	6.0	0.00	2025	5.0	0.00
1320	8.4	0.00	1655	6.0	0.00	2030	5.0	0.00
1325	8.4	0.00	1700	6.0	0.00	2035	4.6	0.00
1330	8.4	0.00	1705	6.0	0.00	2040	4.6	0.00
1335	8.4	0.00	1710	6.0	0.00	2045	4.6	0.00
1340	7.8	0.00	1715	6.0	0.00	2050	4.6	0.00
1345	7.8	0.00	1720	6.0	0.00	2055	4.6	0.00
1350	7.8	0.00	1725	6.0	0.00	2100	4.6	0.00
1355	7.8	0.00	1730	6.0	0.00	2105	4.6	0.00
1400	7.8	0.00	1735	6.0	0.00	2110	4.6	0.00
1405	7.8	0.00	1740	6.0	0.00	2115	4.6	0.00
1410	7.8	0.00	1745	6.0	0.00	2120	4.6	0.00
1415	7.8	0.00	1750	6.0	0.00	2125	4.6	0.00
1420	7.8	0.00	1755	5.5	0.00	2130	4.6	0.00
1425	7.3	0.00	1800	5.5	0.00	2135	4.6	0.00
1430	7.3	0.00	1805	5.5	0.00	2140	4.6	0.00
1435	7.3	0.00	1810	5.5	0.00	2145	4.6	0.00
1440	7.3	0.00	1815	5.5	0.00	2150	4.6	0.00
1445	7.3	0.00	1820	5.5	0.00	2155	4.6	0.00
1450	7.3	0.00	1825	5.5	0.00	2200	4.6	0.00
1455	7.3	0.00	1830	5.5	0.00	2205	4.6	0.00
1500	7.3	0.00	1835	5.5	0.00	2210	4.6	0.00
1505	6.9	0.00	1840	5.5	0.00	2215	4.6	0.00
1510	6.9	0.00	1845	5.5	0.00	2220	4.2	0.00
1515	6.9	0.00	1850	5.5	0.00	2225	4.2	0.00
1520	6.9	0.00	1855	5.5	0.00	2230	4.2	0.00
1525	6.9	0.00	1900	5.5	0.00	2235	4.2	0.00
1530	6.9	0.00	1905	5.5	0.00	2240	4.2	0.00
1535	6.9	0.00	1910	5.0	0.00	2245	4.2	0.00
1540	6.9	0.00	1915	5.0	0.00	2250	4.2	0.00
1545	6.9	0.00	1920	5.0	0.00	2255	4.2	0.00
1550	6.9	0.00	1925	5.0	0.00	2300	4.2	0.00
1555	6.9	0.00	1930	5.0	0.00			

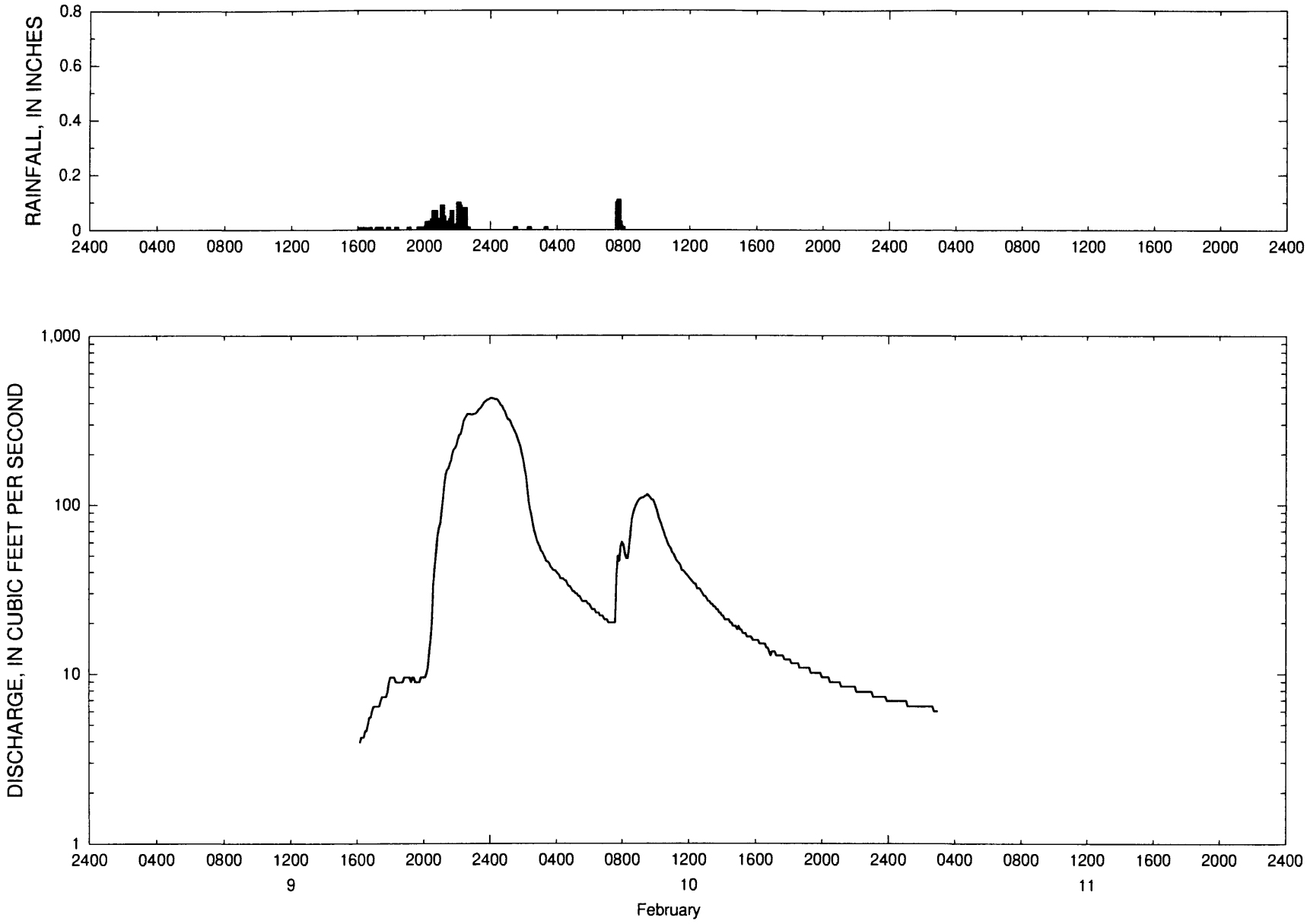


Figure 159.--Streamflow and rainfall at station 02187268, Dve Creek at Anderson, February 9-11, 1990.

Table 158.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, February 9-11, 1990

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
February 09,1990			2130	164.0	0.01	0250	61.2	0.00
1610	3.9	0.01	2135	176.0	0.04	0255	58.8	0.00
1615	4.2	0.00	2140	184.0	0.07	0300	56.5	0.00
1620	4.2	0.01	2145	203.0	0.02	0305	53.2	0.00
1625	4.2	0.01	2150	213.0	0.01	0310	52.2	0.00
1630	4.6	0.00	2155	217.0	0.01	0315	50.0	0.00
1635	4.6	0.00	2200	226.0	0.02	0320	48.0	0.01
1640	5.0	0.00	2205	244.0	0.10	0325	45.9	0.00
1645	5.5	0.01	2210	259.0	0.09	0330	45.9	0.00
1650	5.5	0.00	2215	262.0	0.03	0335	44.9	0.00
1655	6.0	0.00	2220	284.0	0.04	0340	42.9	0.00
1700	6.4	0.00	2225	311.0	0.03	0345	41.9	0.00
1705	6.4	0.00	2230	325.0	0.08	0350	40.9	0.00
1710	6.4	0.01	2235	334.0	0.01	0355	40.9	0.00
1715	6.4	0.01	2240	345.0	0.01	0400	40.0	0.00
1720	6.4	0.01	2245	344.0	0.00	0405	39.1	0.00
1725	6.9	0.01	2250	344.0	0.00	0410	38.2	0.00
1730	7.3	0.00	2255	341.0	0.00	0415	36.5	0.00
1735	7.3	0.00	2300	344.0	0.00	0420	36.5	0.00
1740	7.3	0.00	2305	345.0	0.00	0425	36.5	0.00
1745	7.3	0.00	2310	348.0	0.00	0430	35.6	0.00
1750	7.8	0.01	2315	356.0	0.00	0435	35.6	0.00
1755	8.9	0.00	2320	366.0	0.00	0440	34.0	0.00
1800	9.5	0.00	2325	372.0	0.00	0445	32.9	0.00
1805	9.5	0.00	2330	381.0	0.00	0450	32.9	0.00
1810	9.5	0.00	2335	393.0	0.00	0455	31.8	0.00
1815	9.5	0.00	2340	405.0	0.00	0500	30.7	0.00
1820	8.9	0.01	2345	410.0	0.00	0505	30.7	0.00
1825	8.9	0.00	2350	417.0	0.00	0510	29.7	0.00
1830	8.9	0.00	2355	420.0	0.00	0515	29.7	0.00
1835	8.9	0.00	February 10, 1990			0520	28.7	0.00
1840	8.9	0.00	0000	425.0	0.00	0525	28.7	0.00
1845	8.9	0.00	0005	429.0	0.00	0530	27.7	0.00
1850	9.5	0.00	0010	425.0	0.00	0535	26.7	0.00
1855	9.5	0.00	0015	425.0	0.00	0540	26.7	0.00
1900	9.5	0.00	0020	419.0	0.00	0545	26.7	0.00
1905	9.5	0.01	0025	423.0	0.00	0550	26.7	0.00
1910	9.5	0.00	0030	414.0	0.00	0555	25.8	0.00
1915	8.9	0.00	0035	402.0	0.00	0600	25.8	0.00
1920	9.5	0.00	0040	388.0	0.00	0605	24.9	0.00
1925	9.5	0.00	0045	384.0	0.00	0610	24.0	0.00
1930	8.9	0.00	0050	366.0	0.00	0615	24.0	0.00
1935	8.9	0.00	0055	357.0	0.00	0620	24.0	0.00
1940	8.9	0.01	0100	338.0	0.00	0625	22.9	0.00
1945	8.9	0.00	0105	321.0	0.00	0630	22.9	0.00
1950	9.5	0.01	0110	319.0	0.00	0635	22.9	0.00
1955	9.5	0.00	0115	309.0	0.00	0640	21.9	0.00
2000	9.5	0.00	0120	294.0	0.00	0645	21.9	0.00
2005	9.5	0.01	0125	283.0	0.00	0650	21.9	0.00
2010	10.1	0.03	0130	272.0	0.01	0655	20.9	0.00
2015	10.8	0.02	0135	261.0	0.00	0700	20.9	0.00
2020	13.5	0.01	0140	248.0	0.00	0705	20.9	0.00
2025	15.8	0.02	0145	233.0	0.00	0710	20.0	0.00
2030	20.0	0.04	0150	220.0	0.00	0715	20.0	0.00
2035	32.9	0.07	0155	201.0	0.00	0720	20.0	0.00
2040	41.9	0.07	0200	184.0	0.00	0725	20.0	0.00
2045	51.1	0.03	0205	164.0	0.00	0730	20.0	0.00
2050	64.9	0.03	0210	148.0	0.00	0735	20.0	0.00
2055	72.6	0.04	0215	124.0	0.00	0740	37.3	0.10
2100	77.8	0.04	0220	104.0	0.01	0745	50.0	0.11
2105	92.2	0.09	0225	93.7	0.00	0750	45.9	0.03
2110	108.0	0.05	0230	86.3	0.00	0755	56.5	0.01
2115	133.0	0.01	0235	77.8	0.00	0800	60.0	0.01
2120	151.0	0.01	0240	70.0	0.00	0805	57.7	0.00
2125	162.0	0.03	0245	66.1	0.00	0810	51.1	0.00

Table 158.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, February 9-11, 1990--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0815	48.0	0.00	1340	24.0	0.00	1905	10.8	0.00
0820	48.0	0.00	1345	24.0	0.00	1910	10.8	0.00
0825	55.4	0.00	1350	22.9	0.00	1915	10.8	0.00
0830	68.7	0.00	1355	22.9	0.00	1920	10.1	0.00
0835	82.0	0.00	1400	21.9	0.00	1925	10.1	0.00
0840	89.2	0.00	1405	21.9	0.00	1930	10.1	0.00
0845	95.3	0.00	1410	20.9	0.00	1935	10.1	0.00
0850	100.0	0.00	1415	20.9	0.00	1940	10.1	0.00
0855	104.0	0.00	1420	20.9	0.00	1945	10.1	0.00
0900	107.0	0.00	1425	20.9	0.00	1950	10.1	0.00
0905	109.0	0.00	1430	20.0	0.00	1955	10.1	0.00
0910	110.0	0.00	1435	20.0	0.00	2000	9.5	0.00
0915	110.0	0.00	1440	19.1	0.00	2005	9.5	0.00
0920	112.0	0.00	1445	19.1	0.00	2010	9.5	0.00
0925	113.0	0.00	1450	19.1	0.00	2015	9.5	0.00
0930	115.0	0.00	1455	18.2	0.00	2020	9.5	0.00
0935	112.0	0.00	1500	19.1	0.00	2025	9.5	0.00
0940	110.0	0.00	1505	18.2	0.00	2030	8.9	0.00
0945	107.0	0.00	1510	18.2	0.00	2035	8.9	0.00
0950	107.0	0.00	1515	17.3	0.00	2040	8.9	0.00
0955	103.0	0.00	1520	17.3	0.00	2045	8.9	0.00
1000	96.8	0.00	1525	17.3	0.00	2050	8.9	0.00
1005	92.2	0.00	1530	16.5	0.00	2055	8.9	0.00
1010	84.8	0.00	1535	16.5	0.00	2100	8.9	0.00
1015	80.6	0.00	1540	16.5	0.00	2105	8.9	0.00
1020	76.5	0.00	1545	16.5	0.00	2110	8.4	0.00
1025	72.6	0.00	1550	15.8	0.00	2115	8.4	0.00
1030	68.7	0.00	1555	15.8	0.00	2120	8.4	0.00
1035	64.9	0.00	1600	15.8	0.00	2125	8.4	0.00
1040	62.4	0.00	1605	15.8	0.00	2130	8.4	0.00
1045	58.8	0.00	1610	15.8	0.00	2135	8.4	0.00
1050	56.5	0.00	1615	15.0	0.00	2140	8.4	0.00
1055	55.4	0.00	1620	15.0	0.00	2145	8.4	0.00
1100	52.2	0.00	1625	15.0	0.00	2150	8.4	0.00
1105	51.1	0.00	1630	15.0	0.00	2155	8.4	0.00
1110	49.0	0.00	1635	15.0	0.00	2200	8.4	0.00
1115	46.9	0.00	1640	14.2	0.00	2205	7.8	0.00
1120	45.9	0.00	1645	14.2	0.00	2210	7.8	0.00
1125	44.9	0.00	1650	13.5	0.00	2215	7.8	0.00
1130	43.9	0.00	1655	12.8	0.00	2220	7.8	0.00
1135	40.9	0.00	1700	13.5	0.00	2225	7.8	0.00
1140	40.9	0.00	1705	13.5	0.00	2230	7.8	0.00
1145	40.0	0.00	1710	13.5	0.00	2235	7.8	0.00
1150	39.1	0.00	1715	12.8	0.00	2240	7.8	0.00
1155	38.2	0.00	1720	12.8	0.00	2245	7.8	0.00
1200	37.3	0.00	1725	12.8	0.00	2250	7.8	0.00
1205	36.5	0.00	1730	12.8	0.00	2255	7.8	0.00
1210	35.6	0.00	1735	12.8	0.00	2300	7.8	0.00
1215	34.8	0.00	1740	12.8	0.00	2305	7.3	0.00
1220	34.0	0.00	1745	12.1	0.00	2310	7.3	0.00
1225	34.0	0.00	1750	12.1	0.00	2315	7.3	0.00
1230	31.8	0.00	1755	12.1	0.00	2320	7.3	0.00
1235	31.8	0.00	1800	12.1	0.00	2325	7.3	0.00
1240	31.8	0.00	1805	12.1	0.00	2330	7.3	0.00
1245	30.7	0.00	1810	11.5	0.00	2335	7.3	0.00
1250	29.7	0.00	1815	11.5	0.00	2340	7.3	0.00
1255	28.7	0.00	1820	11.5	0.00	2345	7.3	0.00
1300	28.7	0.00	1825	11.5	0.00	2350	7.3	0.00
1305	27.7	0.00	1830	11.5	0.00	2355	6.9	0.00
1310	26.7	0.00	1835	11.5	0.00	February 11, 1990		
1315	26.7	0.00	1840	10.8	0.00	0000	6.9	0.00
1320	25.8	0.00	1845	10.8	0.00	0005	6.9	0.00
1325	25.8	0.00	1850	10.8	0.00	0010	6.9	0.00
1330	24.9	0.00	1855	10.8	0.00	0015	6.9	0.00
1335	24.9	0.00	1900	10.8	0.00	0020	6.9	0.00

Table 158.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, February 9-11, 1990--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
0025	6.9	0.00	0120	6.4	0.00	0215	6.4	0.00
0030	6.9	0.00	0125	6.4	0.00	0220	6.4	0.00
0035	6.9	0.00	0130	6.4	0.00	0225	6.4	0.00
0040	6.9	0.00	0135	6.4	0.00	0230	6.4	0.00
0045	6.9	0.00	0140	6.4	0.00	0235	6.4	0.00
0050	6.9	0.00	0145	6.4	0.00	0240	6.4	0.00
0055	6.9	0.00	0150	6.4	0.00	0245	6.0	0.00
0100	6.9	0.00	0155	6.4	0.00	0250	6.0	0.00
0105	6.9	0.00	0200	6.4	0.00	0255	6.0	0.00
0110	6.4	0.00	0205	6.4	0.00	0300	6.0	0.00
0115	6.4	0.00	0210	6.4	0.00			

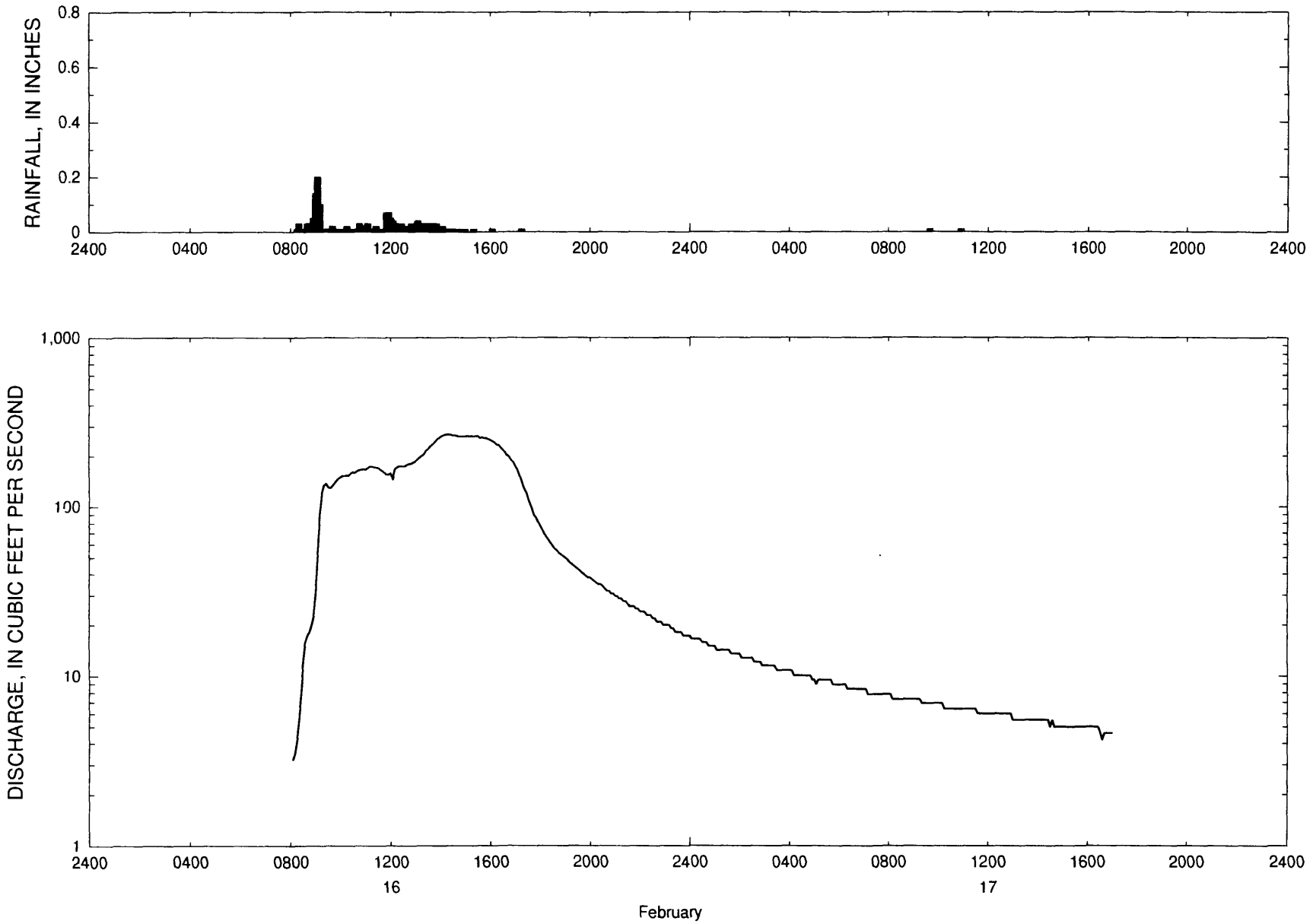


Figure 160.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, February 16-17, 1990.

Table 159.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, February 16-17, 1990

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
February 16, 1990			1325	216.0	0.03	1850	52.2	0.00
0805	3.2	0.00	1330	220.0	0.03	1855	51.1	0.00
0810	3.5	0.00	1335	228.0	0.02	1900	50.0	0.00
0815	4.2	0.01	1340	234.0	0.03	1905	49.0	0.00
0820	5.5	0.03	1345	240.0	0.01	1910	46.9	0.00
0825	7.8	0.01	1350	248.0	0.03	1915	45.9	0.00
0830	12.1	0.01	1355	255.0	0.02	1920	44.9	0.00
0835	15.8	0.01	1400	261.0	0.01	1925	43.9	0.00
0840	17.3	0.03	1405	265.0	0.02	1930	42.9	0.00
0845	18.2	0.03	1410	269.0	0.01	1935	41.9	0.00
0850	20.0	0.02	1415	268.0	0.00	1940	40.9	0.00
0855	22.9	0.05	1420	269.0	0.01	1945	40.0	0.00
0900	30.7	0.14	1425	268.0	0.00	1950	39.1	0.00
0905	54.3	0.20	1430	265.0	0.00	1955	38.2	0.00
0910	90.7	0.10	1435	265.0	0.01	2000	38.2	0.00
0915	120.0	0.01	1440	264.0	0.00	2005	37.3	0.00
0920	135.0	0.01	1445	261.0	0.00	2010	36.5	0.00
0925	138.0	0.01	1450	262.0	0.01	2015	35.6	0.00
0930	131.0	0.01	1455	262.0	0.00	2020	34.8	0.00
0935	130.0	0.00	1500	262.0	0.01	2025	34.8	0.00
0940	134.0	0.02	1505	264.0	0.00	2030	34.0	0.00
0945	139.0	0.00	1510	262.0	0.00	2035	32.9	0.00
0950	144.0	0.01	1515	264.0	0.00	2040	31.8	0.00
0955	149.0	0.01	1520	262.0	0.01	2045	31.8	0.00
1000	151.0	0.00	1525	264.0	0.00	2050	30.7	0.00
1005	154.0	0.00	1530	262.0	0.00	2055	30.7	0.00
1010	153.0	0.01	1535	256.0	0.00	2100	29.7	0.00
1015	155.0	0.02	1540	259.0	0.00	2105	29.7	0.00
1020	154.0	0.01	1545	255.0	0.00	2110	28.7	0.00
1025	159.0	0.00	1550	256.0	0.00	2115	28.7	0.00
1030	162.0	0.01	1555	252.0	0.00	2120	27.7	0.00
1035	160.0	0.00	1600	249.0	0.00	2125	27.7	0.00
1040	164.0	0.01	1605	245.0	0.01	2130	26.7	0.00
1045	166.0	0.03	1610	241.0	0.00	2135	25.8	0.00
1050	167.0	0.01	1615	234.0	0.00	2140	25.8	0.00
1055	168.0	0.00	1620	233.0	0.00	2145	25.8	0.00
1100	167.0	0.02	1625	225.0	0.00	2150	24.9	0.00
1105	170.0	0.03	1630	218.0	0.00	2155	24.9	0.00
1110	174.0	0.01	1635	212.0	0.00	2200	24.0	0.00
1115	174.0	0.01	1640	203.0	0.00	2205	24.0	0.00
1120	172.0	0.01	1645	199.0	0.00	2210	24.0	0.00
1125	172.0	0.02	1650	190.0	0.00	2215	22.9	0.00
1130	171.0	0.01	1655	184.0	0.00	2220	22.9	0.00
1135	167.0	0.01	1700	174.0	0.00	2225	22.9	0.00
1140	164.0	0.01	1705	167.0	0.00	2230	21.9	0.00
1145	160.0	0.00	1710	154.0	0.00	2235	21.9	0.00
1150	156.0	0.07	1715	142.0	0.01	2240	20.9	0.00
1155	156.0	0.07	1720	131.0	0.00	2245	20.9	0.00
1200	159.0	0.05	1725	122.0	0.00	2250	20.9	0.00
1205	146.0	0.04	1730	112.0	0.00	2255	20.0	0.00
1210	168.0	0.03	1735	104.0	0.00	2300	20.0	0.00
1215	172.0	0.02	1740	96.8	0.00	2305	20.0	0.00
1220	175.0	0.02	1745	89.2	0.00	2310	20.0	0.00
1225	174.0	0.03	1750	86.3	0.00	2315	19.1	0.00
1230	174.0	0.02	1755	80.6	0.00	2320	19.1	0.00
1235	175.0	0.02	1800	76.5	0.00	2325	18.2	0.00
1240	179.0	0.01	1805	72 6	0.00	2330	18.2	0.00
1245	180.0	0.02	1810	68.7	0.00	2335	18.2	0.00
1250	181.0	0.03	1815	66.1	0.00	2340	18.2	0.00
1255	184 0	0.02	1820	63.6	0.00	2345	17.3	0.00
1300	186.0	0 02	1825	61.2	0.00	2350	17.3	0.00
1305	191 0	0 04	1830	58.8	0.00	2355	17.3	0.00
1310	196.0	0.02	1835	56.5	0.00	September 17, 1990		
1315	201 0	0 03	1840	55.4	0.00	0000	17.3	0.00
1320	205 0	0 02	1845	53 2	0.00	0005	16.5	0.00

Table 159.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, February 16-17, 1990--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
0010	16.5	0.00	0535	9.5	0.00	1100	6.4	0.00
0015	16.5	0.00	0540	9.5	0.00	1105	6.4	0.00
0020	16.5	0.00	0545	8.9	0.00	1110	6.4	0.00
0025	16.5	0.00	0550	8.9	0.00	1115	6.4	0.00
0030	15.8	0.00	0555	8.9	0.00	1120	6.4	0.00
0035	15.8	0.00	0600	8.9	0.00	1125	6.4	0.00
0040	15.8	0.00	0605	8.9	0.00	1130	6.4	0.00
0045	15.0	0.00	0610	8.9	0.00	1135	6.0	0.00
0050	15.0	0.00	0615	8.9	0.00	1140	6.0	0.00
0055	15.0	0.00	0620	8.4	0.00	1145	6.0	0.00
0100	15.0	0.00	0625	8.4	0.00	1150	6.0	0.00
0105	14.2	0.00	0630	8.4	0.00	1155	6.0	0.00
0110	14.2	0.00	0635	8.4	0.00	1200	6.0	0.00
0115	14.2	0.00	0640	8.4	0.00	1205	6.0	0.00
0120	14.2	0.00	0645	8.4	0.00	1210	6.0	0.00
0125	14.2	0.00	0650	8.4	0.00	1215	6.0	0.00
0130	14.2	0.00	0655	8.4	0.00	1220	6.0	0.00
0135	14.2	0.00	0700	8.4	0.00	1225	6.0	0.00
0140	13.5	0.00	0705	8.4	0.00	1230	6.0	0.00
0145	13.5	0.00	0710	7.8	0.00	1235	6.0	0.00
0150	13.5	0.00	0715	7.8	0.00	1240	6.0	0.00
0155	13.5	0.00	0720	7.8	0.00	1245	6.0	0.00
0200	13.5	0.00	0725	7.8	0.00	1250	6.0	0.00
0205	12.8	0.00	0730	7.8	0.00	1255	6.0	0.00
0210	12.8	0.00	0735	7.8	0.00	1300	5.5	0.00
0215	12.8	0.00	0740	7.8	0.00	1305	5.5	0.00
0220	12.8	0.00	0745	7.8	0.00	1310	5.5	0.00
0225	12.8	0.00	0750	7.8	0.00	1315	5.5	0.00
0230	12.8	0.00	0755	7.8	0.00	1320	5.5	0.00
0235	12.1	0.00	0800	7.8	0.00	1325	5.5	0.00
0240	12.1	0.00	0805	7.8	0.00	1330	5.5	0.00
0245	12.1	0.00	0810	7.3	0.00	1335	5.5	0.00
0250	12.1	0.00	0815	7.3	0.00	1340	5.5	0.00
0255	11.5	0.00	0820	7.3	0.00	1345	5.5	0.00
0300	11.5	0.00	0825	7.3	0.00	1350	5.5	0.00
0305	11.5	0.00	0830	7.3	0.00	1355	5.5	0.00
0310	11.5	0.00	0835	7.3	0.00	1400	5.5	0.00
0315	11.5	0.00	0840	7.3	0.00	1405	5.5	0.00
0320	11.5	0.00	0845	7.3	0.00	1410	5.5	0.00
0325	11.5	0.00	0850	7.3	0.00	1415	5.5	0.00
0330	10.8	0.00	0855	7.3	0.00	1420	5.5	0.00
0335	10.8	0.00	0900	7.3	0.00	1425	5.5	0.00
0340	10.8	0.00	0905	7.3	0.00	1430	5.0	0.00
0345	10.8	0.00	0910	7.3	0.00	1435	5.5	0.00
0350	10.8	0.00	0915	7.3	0.00	1440	5.0	0.00
0355	10.8	0.00	0920	6.9	0.00	1445	5.0	0.00
0400	10.8	0.00	0925	6.9	0.00	1450	5.0	0.00
0405	10.8	0.00	0930	6.9	0.00	1455	5.0	0.00
0410	10.1	0.00	0935	6.9	0.00	1500	5.0	0.00
0415	10.1	0.00	0940	6.9	0.01	1505	5.0	0.00
0420	10.1	0.00	0945	6.9	0.00	1510	5.0	0.00
0425	10.1	0.00	0950	6.9	0.00	1515	5.0	0.00
0430	10.1	0.00	0955	6.9	0.00	1520	5.0	0.00
0435	10.1	0.00	1000	6.9	0.00	1525	5.0	0.00
0440	10.1	0.00	1005	6.9	0.00	1530	5.0	0.00
0445	10.1	0.00	1010	6.9	0.00	1535	5.0	0.00
0450	10.1	0.00	1015	6.4	0.00	1540	5.0	0.00
0455	9.5	0.00	1020	6.4	0.00	1545	5.0	0.00
0500	9.5	0.00	1025	6.4	0.00	1550	5.0	0.00
0505	8.9	0.00	1030	6.4	0.00	1555	5.0	0.00
0510	9.5	0.00	1035	6.4	0.00	1600	5.0	0.00
0515	9.5	0.00	1040	6.4	0.00	1605	5.0	0.00
0520	9.5	0.00	1045	6.4	0.00	1610	5.0	0.00
0525	9.5	0.00	1050	6.4	0.00	1615	5.0	0.00
0530	9.5	0.00	1055	6.4	0.01	1620	5.0	0.00
1625	5.0	0.00	1640	4.6	0.00	1655	4.6	0.00
1630	4.6	0.00	1645	4.6	0.00	1700	4.6	0.00
1635	4.2	0.00	1650	4.6	0.00			

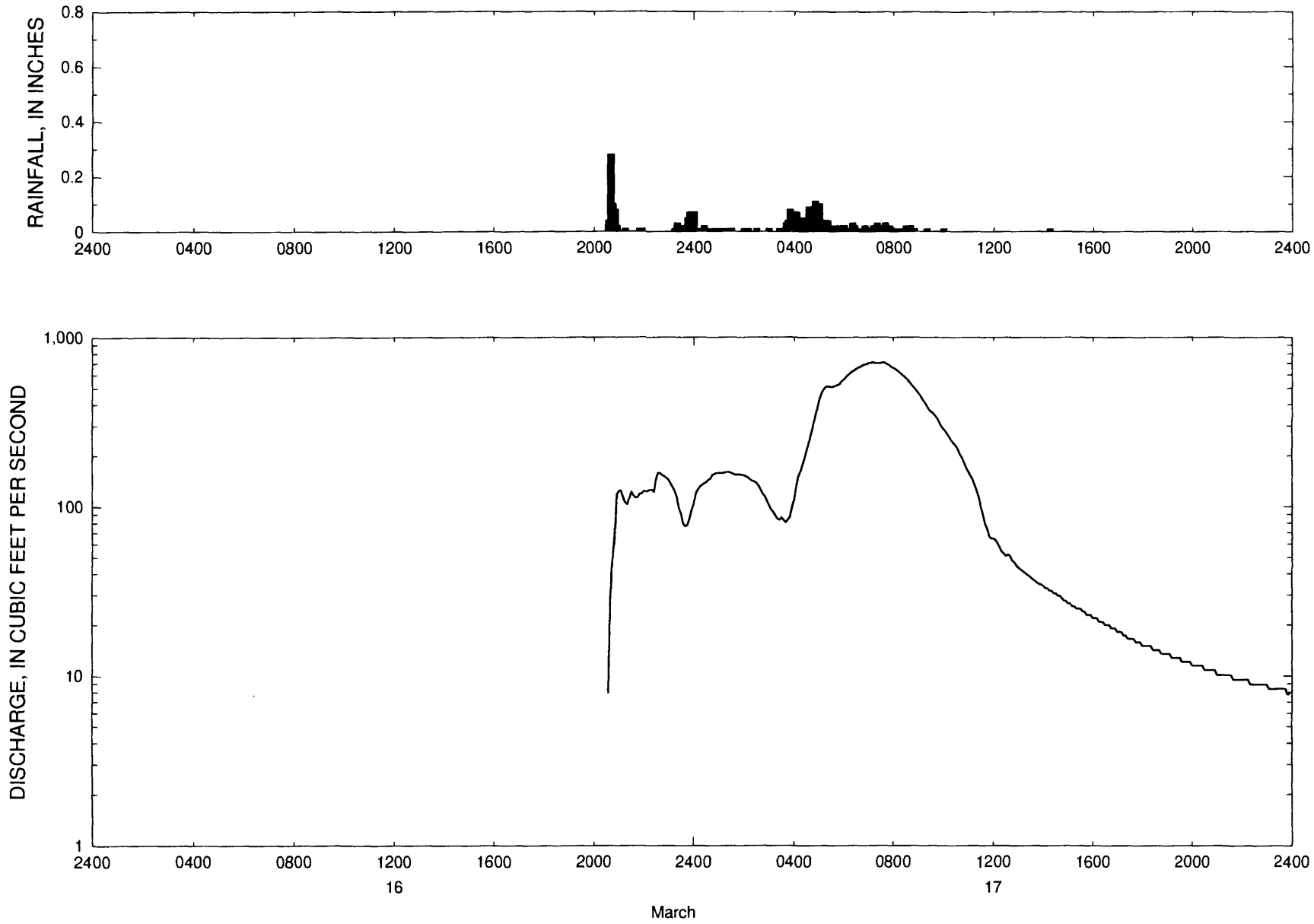


Figure 161.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, March 16-17, 1990.

Table 160.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, March 16-17, 1990

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
March 16, 1990			0150	155.0	0.00	0715	706.0	0.01
2035	7.8	0.04	0155	154.0	0.00	0720	706.0	0.03
2040	26.7	0.28	0200	153.0	0.01	0725	703.0	0.02
2045	50.0	0.10	0205	151.0	0.00	0730	705.0	0.02
2050	67.4	0.08	0210	149.0	0.01	0735	711.0	0.02
2055	118.0	0.02	0215	145.0	0.00	0740	706.0	0.03
2100	124.0	0.00	0220	142.0	0.00	0745	693.0	0.01
2105	124.0	0.00	0225	141.0	0.00	0750	686.0	0.02
2110	113.0	0.00	0230	138.0	0.01	0755	669.0	0.01
2115	106.0	0.01	0235	133.0	0.00	0800	661.0	0.01
2120	103.0	0.00	0240	126.0	0.00	0805	648.0	0.00
2125	113.0	0.00	0245	119.0	0.00	0810	635.0	0.01
2130	122.0	0.00	0250	115.0	0.00	0815	620.0	0.01
2135	116.0	0.00	0255	109.0	0.00	0820	604.0	0.00
2140	113.0	0.00	0300	103.0	0.01	0825	588.0	0.01
2145	113.0	0.00	0305	96.8	0.00	0830	572.0	0.02
2150	119.0	0.01	0310	93.7	0.00	0835	556.0	0.01
2155	119.0	0.01	0315	89.2	0.00	0840	539.0	0.02
2200	123.0	0.00	0320	84.8	0.00	0845	520.0	0.00
2205	123.0	0.00	0325	83.4	0.01	0850	503.0	0.01
2210	124.0	0.00	0330	86.3	0.01	0855	486.0	0.00
2215	126.0	0.00	0335	83.4	0.01	0900	467.0	0.00
2220	126.0	0.00	0340	80.6	0.03	0905	451.0	0.00
2225	122.0	0.00	0345	83.4	0.04	0910	429.0	0.00
2230	144.0	0.00	0350	86.3	0.08	0915	412.0	0.00
2235	158.0	0.00	0355	98.4	0.04	0920	392.0	0.01
2240	158.0	0.00	0400	110.0	0.03	0925	373.0	0.00
2245	154.0	0.00	0405	130.0	0.07	0930	364.0	0.00
2250	151.0	0.00	0410	149.0	0.04	0935	357.0	0.00
2255	148.0	0.00	0415	160.0	0.05	0940	345.0	0.00
2300	144.0	0.00	0420	176.0	0.02	0945	332.0	0.00
2305	137.0	0.00	0425	192.0	0.05	0950	318.0	0.00
2310	130.0	0.00	0430	213.0	0.04	0955	301.0	0.00
2315	123.0	0.01	0435	233.0	0.09	1000	289.0	0.01
2320	113.0	0.03	0440	264.0	0.04	1005	279.0	0.00
2325	98.4	0.01	0445	293.0	0.05	1010	268.0	0.00
2330	90.7	0.02	0450	336.0	0.11	1015	256.0	0.00
2335	79.2	0.02	0455	381.0	0.10	1020	245.0	0.00
2340	76.5	0.00	0500	429.0	0.10	1025	237.0	0.00
2345	77.8	0.05	0505	465.0	0.02	1030	230.0	0.00
2350	84.8	0.07	0510	488.0	0.03	1035	220.0	0.00
2355	95.3	0.03	0515	508.0	0.04	1040	204.0	0.00
March 17, 1990			0520	511.0	0.04	1045	195.0	0.00
0000	103.0	0.07	0525	512.0	0.01	1050	182.0	0.00
0005	119.0	0.00	0530	509.0	0.02	1055	170.0	0.00
0010	126.0	0.01	0535	512.0	0.02	1100	160.0	0.00
0015	131.0	0.01	0540	516.0	0.02	1105	153.0	0.00
0020	134.0	0.01	0545	522.0	0.02	1110	145.0	0.00
0025	137.0	0.02	0550	529.0	0.02	1115	134.0	0.00
0030	139.0	0.01	0555	550.0	0.02	1120	123.0	0.00
0035	144.0	0.01	0600	564.0	0.02	1125	112.0	0.00
0040	146.0	0.00	0605	584.0	0.01	1130	100.0	0.00
0045	154.0	0.00	0610	600.0	0.01	1135	89.2	0.00
0050	156.0	0.01	0615	615.0	0.01	1140	79.2	0.00
0055	158.0	0.00	0620	628.0	0.03	1145	73.9	0.00
0100	158.0	0.01	0625	636.0	0.02	1150	67.4	0.00
0105	158.0	0.00	0630	649.0	0.01	1155	64.9	0.00
0110	158.0	0.00	0635	663.0	0.01	1200	64.9	0.00
0115	159.0	0.01	0640	671.0	0.01	1205	63.6	0.00
0120	160.0	0.00	0645	683.0	0.01	1210	61.2	0.00
0125	160.0	0.00	0650	691.0	0.02	1215	57.7	0.00
0130	158.0	0.01	0655	693.0	0.01	1220	54.3	0.00
0135	156.0	0.00	0700	705.0	0.01	1225	53.2	0.00
0140	154.0	0.00	0705	705.0	0.01	1230	51.1	0.00
0145	155.0	0.00	0710	713.0	0.02	1235	52.2	0.00

Table 160.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, March 16-17, 1990--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
1240	51.1	0.00	1630	20.0	0.00	2020	11.5	0.00
1245	48.0	0.00	1635	20.0	0.00	2025	11.5	0.00
1250	46.9	0.00	1640	20.0	0.00	2030	10.8	0.00
1255	44.9	0.00	1645	19.1	0.00	2035	10.8	0.00
1300	43.9	0.00	1650	19.1	0.00	2040	10.8	0.00
1305	42.9	0.00	1655	19.1	0.00	2045	10.8	0.00
1310	41.9	0.00	1700	18.2	0.00	2050	10.8	0.00
1315	40.9	0.00	1705	18.2	0.00	2055	10.8	0.00
1320	40.0	0.00	1710	18.2	0.00	2100	10.1	0.00
1325	39.1	0.00	1715	17.3	0.00	2105	10.1	0.00
1330	38.2	0.00	1720	17.3	0.00	2110	10.1	0.00
1335	37.3	0.00	1725	16.5	0.00	2115	10.1	0.00
1340	36.5	0.00	1730	16.5	0.00	2120	10.1	0.00
1345	35.6	0.00	1735	16.5	0.00	2125	10.1	0.00
1350	34.8	0.00	1740	16.5	0.00	2130	10.1	0.00
1355	34.8	0.00	1745	15.8	0.00	2135	10.1	0.00
1400	34.0	0.00	1750	15.8	0.00	2140	9.5	0.00
1405	32.9	0.00	1755	15.8	0.00	2145	9.5	0.00
1410	32.9	0.00	1800	15.0	0.00	2150	9.5	0.00
1415	31.8	0.01	1805	15.0	0.00	2155	9.5	0.00
1420	31.8	0.00	1810	15.0	0.00	2200	9.5	0.00
1425	30.7	0.00	1815	15.0	0.00	2205	9.5	0.00
1430	30.7	0.00	1820	15.0	0.00	2210	9.5	0.00
1435	29.7	0.00	1825	14.2	0.00	2215	9.5	0.00
1440	29.7	0.00	1830	14.2	0.00	2220	8.9	0.00
1445	28.7	0.00	1835	14.2	0.00	2225	8.9	0.00
1450	27.7	0.00	1840	14.2	0.00	2230	8.9	0.00
1455	27.7	0.00	1845	13.5	0.00	2235	8.9	0.00
1500	26.7	0.00	1850	13.5	0.00	2240	8.9	0.00
1505	26.7	0.00	1855	13.5	0.00	2245	8.9	0.00
1510	25.8	0.00	1900	13.5	0.00	2250	8.9	0.00
1515	25.8	0.00	1905	13.5	0.00	2255	8.9	0.00
1520	24.9	0.00	1910	12.8	0.00	2300	8.9	0.00
1525	24.9	0.00	1915	12.8	0.00	2305	8.4	0.00
1530	24.9	0.00	1920	12.8	0.00	2310	8.4	0.00
1535	24.0	0.00	1925	12.8	0.00	2315	8.4	0.00
1540	24.0	0.00	1930	12.8	0.00	2320	8.4	0.00
1545	22.9	0.00	1935	12.1	0.00	2325	8.4	0.00
1550	22.9	0.00	1940	12.1	0.00	2330	8.4	0.00
1555	22.9	0.00	1945	12.1	0.00	2335	8.4	0.00
1600	21.9	0.00	1950	12.1	0.00	2340	8.4	0.00
1605	21.9	0.00	1955	12.1	0.00	2345	8.4	0.00
1610	21.9	0.00	2000	11.5	0.00	2350	7.8	0.00
1615	20.9	0.00	2005	11.5	0.00	2355	7.8	0.00
1620	20.9	0.00	2010	11.5	0.00			
1625	20.9	0.00	2015	11.5	0.00			

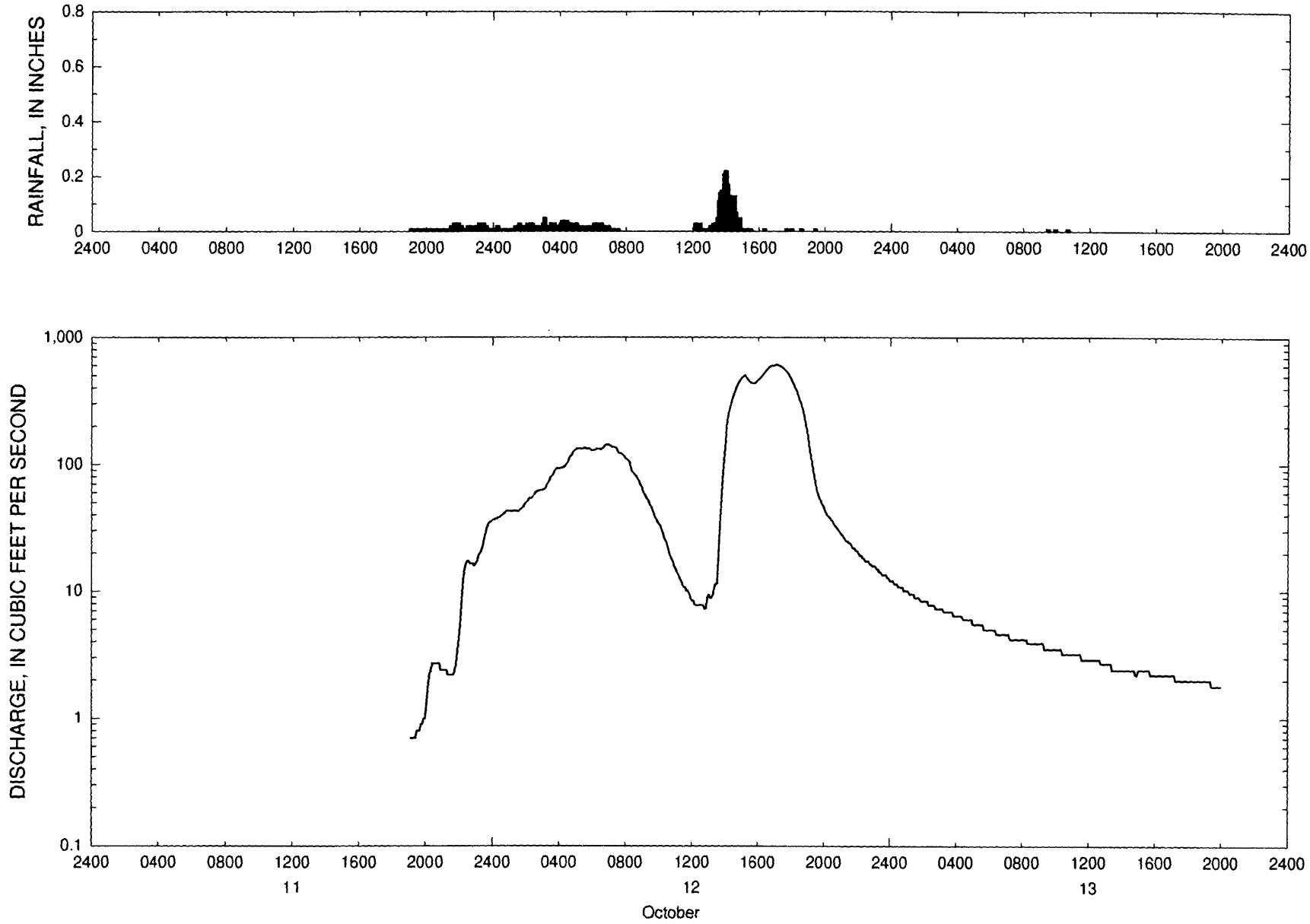


Figure 162.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, October 11-13, 1990.

Table 161.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, October 11-13, 1990

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
October 11, 1990			0020	38.2	0.01	0545	134.0	0.01
1905	0.7	0.01	0025	38.2	0.01	0550	133.0	0.02
1910	0.7	0.01	0030	39.1	0.01	0555	130.0	0.02
1915	0.7	0.01	0035	40.0	0.01	0600	129.0	0.02
1920	0.7	0.01	0040	40.9	0.00	0605	130.0	0.03
1925	0.7	0.01	0045	41.9	0.01	0610	130.0	0.01
1930	0.8	0.00	0050	42.9	0.01	0615	133.0	0.03
1935	0.8	0.01	0055	42.9	0.01	0620	133.0	0.02
1940	0.8	0.01	0100	42.9	0.01	0625	133.0	0.03
1945	0.9	0.00	0105	42.9	0.01	0630	131.0	0.03
1950	0.9	0.01	0110	42.9	0.01	0635	134.0	0.02
1955	1.0	0.00	0115	42.9	0.01	0640	137.0	0.02
2000	1.0	0.00	0120	42.9	0.02	0645	141.0	0.01
2005	1.3	0.00	0125	42.9	0.02	0650	144.0	0.02
2010	1.8	0.01	0130	42.9	0.02	0655	144.0	0.02
2015	2.2	0.00	0135	42.9	0.03	0700	142.0	0.01
2020	2.4	0.00	0140	43.9	0.02	0705	141.0	0.01
2025	2.7	0.01	0145	44.9	0.02	0710	137.0	0.01
2030	2.7	0.00	0150	45.9	0.02	0715	138.0	0.01
2035	2.7	0.01	0155	48.0	0.02	0720	137.0	0.00
2040	2.7	0.01	0200	50.0	0.02	0725	135.0	0.01
2045	2.7	0.00	0205	51.1	0.03	0730	129.0	0.01
2050	2.7	0.00	0210	53.2	0.03	0735	123.0	0.00
2055	2.4	0.01	0215	54.3	0.02	0740	123.0	0.00
2100	2.4	0.00	0220	54.3	0.03	0745	122.0	0.00
2105	2.4	0.00	0225	55.4	0.02	0750	119.0	0.00
2110	2.4	0.01	0230	57.7	0.02	0755	116.0	0.00
2115	2.4	0.00	0235	60.0	0.02	0800	112.0	0.00
2120	2.2	0.01	0240	61.2	0.00	0805	110.0	0.00
2125	2.2	0.00	0245	62.4	0.01	0810	107.0	0.00
2130	2.2	0.02	0250	62.4	0.01	0815	103.0	0.00
2135	2.2	0.01	0255	62.4	0.02	0820	90.7	0.00
2140	2.2	0.03	0300	62.4	0.03	0825	87.7	0.00
2145	2.4	0.02	0305	63.6	0.05	0830	84.8	0.00
2150	2.7	0.02	0310	64.9	0.02	0835	82.0	0.00
2155	3.5	0.03	0315	68.7	0.02	0840	80.6	0.00
2200	4.2	0.02	0320	71.3	0.02	0845	76.5	0.00
2205	5.5	0.02	0325	75.2	0.01	0850	72.6	0.00
2210	8.4	0.01	0330	79.2	0.03	0855	68.7	0.00
2215	12.1	0.00	0335	82.0	0.03	0900	64.9	0.00
2220	15.0	0.01	0340	84.8	0.03	0905	60.0	0.00
2225	16.5	0.01	0345	89.2	0.02	0910	57.7	0.00
2230	17.3	0.02	0350	92.2	0.02	0915	54.3	0.00
2235	17.3	0.02	0355	93.7	0.02	0920	52.2	0.00
2240	16.5	0.01	0400	93.7	0.02	0925	49.0	0.00
2245	16.5	0.01	0405	93.7	0.03	0930	46.9	0.00
2250	16.5	0.01	0410	93.7	0.04	0935	44.9	0.00
2255	15.8	0.02	0415	95.3	0.03	0940	41.9	0.00
2300	16.5	0.02	0420	96.8	0.04	0945	39.1	0.00
2305	17.3	0.01	0425	100.0	0.04	0950	37.3	0.00
2310	19.1	0.03	0430	104.0	0.03	0955	35.6	0.00
2315	20.0	0.01	0435	109.0	0.02	1000	34.0	0.00
2320	20.9	0.02	0440	116.0	0.03	1005	32.9	0.00
2325	22.9	0.03	0445	119.0	0.02	1010	30.7	0.00
2330	25.8	0.01	0450	124.0	0.02	1015	28.7	0.00
2335	28.7	0.02	0455	129.0	0.02	1020	25.8	0.00
2340	31.8	0.01	0500	131.0	0.03	1025	24.9	0.00
2345	34.0	0.01	0505	133.0	0.02	1030	22.9	0.00
2350	34.8	0.01	0510	134.0	0.01	1035	20.9	0.00
2355	35.6	0.01	0515	134.0	0.02	1040	19.1	0.00
	October 12, 1990		0520	133.0	0.01	1045	18.2	0.00
0000	36.5	0.01	0525	133.0	0.01	1050	17.3	0.00
0005	36.5	0.01	0530	135.0	0.01	1055	15.8	0.00
0010	37.3	0.01	0535	135.0	0.02	1100	15.0	0.00
0015	37.3	0.02	0540	133.0	0.02	1105	14.2	0.00

Table 161.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, October 11-13, 1990--Continued

Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rain-fall (inches)
1110	13.5	0.00	1635	576.0	0.00	2200	20.9	0.00
1115	12.8	0.00	1640	589.0	0.00	2205	20.0	0.00
1120	12.1	0.00	1645	599.0	0.00	2210	19.1	0.00
1125	11.5	0.00	1650	600.0	0.00	2215	19.1	0.00
1130	10.8	0.00	1655	600.0	0.00	2220	18.2	0.00
1135	10.8	0.00	1700	610.0	0.00	2225	18.2	0.00
1140	10.1	0.00	1705	614.0	0.00	2230	17.3	0.00
1145	10.1	0.00	1710	609.0	0.00	2235	17.3	0.00
1150	9.5	0.00	1715	602.0	0.00	2240	17.3	0.00
1155	8.9	0.00	1720	599.0	0.00	2245	16.5	0.00
1200	8.4	0.00	1725	588.0	0.00	2250	16.5	0.00
1205	8.4	0.00	1730	578.0	0.00	2255	15.8	0.00
1210	7.8	0.03	1735	564.0	0.00	2300	15.8	0.00
1215	7.8	0.01	1740	551.0	0.01	2305	15.8	0.00
1220	7.8	0.01	1745	537.0	0.00	2310	15.0	0.00
1225	7.8	0.03	1750	517.0	0.00	2315	15.0	0.00
1230	7.8	0.00	1755	494.0	0.00	2320	14.2	0.00
1235	7.8	0.00	1800	472.0	0.01	2325	14.2	0.00
1240	7.8	0.01	1805	446.0	0.00	2330	13.5	0.00
1245	7.3	0.00	1810	422.0	0.00	2335	13.5	0.00
1250	7.3	0.00	1815	396.0	0.00	2340	13.5	0.00
1255	8.9	0.01	1820	376.0	0.00	2345	13.5	0.00
1300	9.5	0.01	1825	351.0	0.00	2350	12.8	0.00
1305	8.9	0.02	1830	325.0	0.00	2355	12.8	0.00
1310	8.9	0.02	1835	305.0	0.01	October 13, 1990		
1315	9.5	0.03	1840	279.0	0.00	0000	12.1	0.00
1320	10.8	0.02	1845	251.0	0.00	0005	12.1	0.00
1325	11.5	0.02	1850	220.0	0.00	0010	12.1	0.00
1330	11.5	0.05	1855	194.0	0.00	0015	11.5	0.00
1335	18.2	0.11	1900	170.0	0.00	0020	11.5	0.00
1340	31.8	0.14	1905	139.0	0.00	0025	11.5	0.00
1345	46.9	0.15	1910	120.0	0.00	0030	10.8	0.00
1350	75.2	0.13	1915	104.0	0.00	0035	10.8	0.00
1355	106.0	0.21	1920	89.2	0.00	0040	10.8	0.00
1400	144.0	0.22	1925	76.5	0.01	0045	10.8	0.00
1405	208.0	0.17	1930	67.4	0.00	0050	10.1	0.00
1410	245.0	0.11	1935	61.2	0.00	0055	10.1	0.00
1415	272.0	0.04	1940	56.5	0.00	0100	10.1	0.00
1420	301.0	0.13	1945	53.2	0.00	0105	10.1	0.00
1425	328.0	0.11	1950	50.0	0.00	0110	9.5	0.00
1430	352.0	0.13	1955	48.0	0.00	0115	9.5	0.00
1435	378.0	0.07	2000	44.9	0.00	0120	9.5	0.00
1440	404.0	0.04	2005	41.9	0.00	0125	9.5	0.00
1445	428.0	0.03	2010	40.0	0.00	0130	8.9	0.00
1450	450.0	0.05	2015	39.1	0.00	0135	8.9	0.00
1455	468.0	0.01	2020	38.2	0.00	0140	8.9	0.00
1500	484.0	0.01	2025	36.5	0.00	0145	8.9	0.00
1505	496.0	0.01	2030	35.6	0.00	0150	8.4	0.00
1510	508.0	0.01	2035	34.0	0.00	0155	8.4	0.00
1515	490.0	0.01	2040	32.9	0.00	0200	8.4	0.00
1520	474.0	0.00	2045	31.8	0.00	0205	8.4	0.00
1525	459.0	0.00	2050	30.7	0.00	0210	8.4	0.00
1530	446.0	0.01	2055	29.7	0.00	0215	8.4	0.00
1535	439.0	0.00	2100	28.7	0.00	0220	7.8	0.00
1540	437.0	0.00	2105	27.7	0.00	0225	7.8	0.00
1545	436.0	0.00	2110	26.7	0.00	0230	7.8	0.00
1550	442.0	0.00	2115	25.8	0.00	0235	7.8	0.00
1555	454.0	0.00	2120	24.9	0.00	0240	7.8	0.00
1600	467.0	0.00	2125	24.9	0.00	0245	7.3	0.00
1605	478.0	0.00	2130	24.0	0.00	0250	7.3	0.00
1610	493.0	0.00	2135	24.0	0.00	0255	7.3	0.00
1615	508.0	0.00	2140	22.9	0.00	0300	7.3	0.00
1620	525.0	0.01	2145	21.9	0.00	0305	7.3	0.00
1625	540.0	0.00	2150	21.9	0.00	0310	7.3	0.00
1630	558.0	0.00	2155	20.9	0.00	0315	6.9	0.00

Table 161.--Streamflow and rainfall at station 02187268, Dye Creek at Anderson, October 11-13, 1990--Continued

Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)	Time (hours)	Streamflow (cubic feet per second)	Rainfall (inches)
0320	6.9	0.00	0845	3.9	0.00	1410	2.4	0.00
0325	6.9	0.00	0850	3.9	0.00	1415	2.4	0.00
0330	6.9	0.00	0855	3.9	0.00	1420	2.4	0.00
0335	6.9	0.00	0900	3.9	0.00	1425	2.4	0.00
0340	6.9	0.00	0905	3.9	0.00	1430	2.4	0.00
0345	6.9	0.00	0910	3.9	0.00	1435	2.4	0.00
0350	6.4	0.00	0915	3.9	0.00	1440	2.4	0.00
0355	6.4	0.00	0920	3.5	0.00	1445	2.4	0.00
0400	6.4	0.00	0925	3.5	0.00	1450	2.2	0.00
0405	6.4	0.00	0930	3.5	0.01	1455	2.2	0.00
0410	6.4	0.00	0935	3.5	0.00	1500	2.4	0.00
0415	6.4	0.00	0940	3.5	0.00	1505	2.4	0.00
0420	6.4	0.00	0945	3.5	0.00	1510	2.4	0.00
0425	6.0	0.00	0950	3.5	0.00	1515	2.4	0.00
0430	6.0	0.00	0955	3.5	0.01	1520	2.4	0.00
0435	6.0	0.00	1000	3.5	0.00	1525	2.4	0.00
0440	6.0	0.00	1005	3.5	0.00	1530	2.4	0.00
0445	6.0	0.00	1010	3.5	0.00	1535	2.4	0.00
0450	6.0	0.00	1015	3.5	0.00	1540	2.4	0.00
0455	6.0	0.00	1020	3.5	0.00	1545	2.2	0.00
0500	5.5	0.00	1025	3.2	0.00	1550	2.2	0.00
0505	5.5	0.00	1030	3.2	0.00	1555	2.2	0.00
0510	5.5	0.00	1035	3.2	0.00	1600	2.2	0.00
0515	5.5	0.00	1040	3.2	0.01	1605	2.2	0.00
0520	5.5	0.00	1045	3.2	0.00	1610	2.2	0.00
0525	5.5	0.00	1050	3.2	0.00	1615	2.2	0.00
0530	5.5	0.00	1055	3.2	0.00	1620	2.2	0.00
0535	5.5	0.00	1100	3.2	0.00	1625	2.2	0.00
0540	5.0	0.00	1105	3.2	0.00	1630	2.2	0.00
0545	5.0	0.00	1110	3.2	0.00	1635	2.2	0.00
0550	5.0	0.00	1115	3.2	0.00	1640	2.2	0.00
0555	5.0	0.00	1120	3.2	0.00	1645	2.2	0.00
0600	5.0	0.00	1125	3.2	0.00	1650	2.2	0.00
0605	5.0	0.00	1130	3.2	0.00	1655	2.2	0.00
0610	5.0	0.00	1135	2.9	0.00	1700	2.2	0.00
0615	5.0	0.00	1140	2.9	0.00	1705	2.2	0.00
0620	5.0	0.00	1145	2.9	0.00	1710	2.2	0.00
0625	4.6	0.00	1150	2.9	0.00	1715	2.0	0.00
0630	4.6	0.00	1155	2.9	0.00	1720	2.0	0.00
0635	4.6	0.00	1200	2.9	0.00	1725	2.0	0.00
0640	4.6	0.00	1205	2.9	0.00	1730	2.0	0.00
0645	4.6	0.00	1210	2.9	0.00	1735	2.0	0.00
0650	4.6	0.00	1215	2.9	0.00	1740	2.0	0.00
0655	4.6	0.00	1220	2.9	0.00	1745	2.0	0.00
0700	4.6	0.00	1225	2.9	0.00	1750	2.0	0.00
0705	4.6	0.00	1230	2.9	0.00	1755	2.0	0.00
0710	4.6	0.00	1235	2.9	0.00	1800	2.0	0.00
0715	4.2	0.00	1240	2.9	0.00	1805	2.0	0.00
0720	4.2	0.00	1245	2.7	0.00	1810	2.0	0.00
0725	4.2	0.00	1250	2.7	0.00	1815	2.0	0.00
0730	4.2	0.00	1255	2.7	0.00	1820	2.0	0.00
0735	4.2	0.00	1300	2.7	0.00	1825	2.0	0.00
0740	4.2	0.00	1305	2.7	0.00	1830	2.0	0.00
0745	4.2	0.00	1310	2.7	0.00	1835	2.0	0.00
0750	4.2	0.00	1315	2.7	0.00	1840	2.0	0.00
0755	4.2	0.00	1320	2.7	0.00	1845	2.0	0.00
0800	4.2	0.00	1325	2.4	0.00	1850	2.0	0.00
0805	4.2	0.00	1330	2.4	0.00	1855	2.0	0.00
0810	4.2	0.00	1335	2.4	0.00	1900	2.0	0.00
0815	4.2	0.00	1340	2.4	0.00	1905	2.0	0.00
0820	3.9	0.00	1345	2.4	0.00	1910	2.0	0.00
0825	3.9	0.00	1350	2.4	0.00	1915	2.0	0.00
0830	3.9	0.00	1355	2.4	0.00	1920	2.0	0.00
0835	3.9	0.00	1400	2.4	0.00	1925	1.8	0.00
0840	3.9	0.00	1405	2.4	0.00	1930	1.8	0.00
1935	1.8	0.00	1945	1.8	0.00	1955	1.8	0.00
1940	1.8	0.00	1950	1.8	0.00	2000	1.8	0.00

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