

STATE OF ARKANSAS

ARKANSAS GEOLOGICAL COMMISSION

Norman F. Williams, State Geologist

WATER RESOURCES CIRCULAR NO. 12

FLOW-DURATION AND LOW-FLOW FREQUENCY DETERMINATIONS OF SELECTED
ARKANSAS STREAMS

By
Marion S. Hines
U.S. Geological Survey



Prepared by the U.S. Geological Survey in cooperation with the
Arkansas Geological Commission
Little Rock, Arkansas
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ABSTRACT

Analysis of regulated and unregulated streamflow records in Arkansas provides flow duration and low-flow frequency data for 290 sites, consisting of complete duration and low-flow frequency distribution at 107 continuous-record gaging stations and abbreviated information at 183 partial-record stations. Low-flow yield is closely associated with physiographic characteristics. Useful low-flow duration and frequency information can be estimated by comparing several discharge-measurement results with concurrent daily mean flow for appropriate gaging stations. A combination of mathematical and graphical methods of analyses provides the best determinations of flow duration and low-flow frequency.

INTRODUCTION

Water continues to play an important role in the economy of Arkansas, as evidenced by the increased use of water accompanied by an increase in demand for water information. Between 1965 and 1970, total water use increased 43 percent, which consisted of a 24-percent increase in ground-water use and a 68-percent increase in surface-water use (Halberg and Stephens, 1966; and Halberg, 1972). Requests for water data have probably increased at an even greater rate.

Water is not only a necessity of life, it also is a necessity of many industrial and agricultural processes. Despite an abundance of water in the State, the demand for water in several sections is approaching the supply conveniently available. In view of the 68-percent increase in the use of surface water, it seems that water data such as herein presented will be valuable in the management and development of surface-water supplies. Flow-duration and low-flow frequency data can be effectively used and are of particular value in preliminary analyses that precede the more comprehensive studies associated with the design of water-supply facilities. In addition, these data are useful in waste-disposal and hydroelectric-generation studies.

For those readers who may prefer to use metric units rather than English units, the conversion factors for the terms in this report are listed below.

<u>Multiply English unit</u>	<u>By</u>	<u>To obtain metric unit</u>
feet (ft)	0.3048	metres (m)
miles (mi)	1.609	kilometres (km)
square miles (mi ²)	2.590	square kilometres (km ²)
cubic feet per second (ft ³ /s)	0.0283	cubic metres per second (m ³ /s)

Previous Investigations

This report is the third in a series dealing with statewide surface-water-supply statistical studies. The first report, by Hines (1965), contained information on flow duration and low-flow frequency. The second, by Patterson (1968), contained information on storage requirements. This report contains updated information on flow duration and low-flow frequency. However, this report differs from the earlier one by Hines (1965) in that data for regulated streams are included and the technique of extending short records is not used.

Additional flow-duration and low-flow-frequency data are contained in reports by Speer, Hines, Calandro, and others, 1966; and Speer, Hines, Janson, and others, 1966. These and other reports that contain flow duration and low-flow-frequency data are listed herein under "Selected References."

Purpose and Scope

Flow-duration and low-flow-frequency data are useful in the management and development of surface-water supplies. For the purpose of supplying needed low-flow information, the continuous-record gaging-station network in Arkansas is properly distributed areally throughout the State; however, the network does not have a sufficient density of sites. An approach to compensating for the insufficient density of sites is made by the use of partial-record stations where data are collected expressly for the purpose of defining low-flow characteristics.

This report deals with two time distributions of flow quantities: Flow duration--the percentage of time during the period of record that the daily-mean flow at a gaging station was greater than a certain value. Low-flow frequency--how often the annual lowest average daily-mean flow at a gaging station for a selected period of consecutive days will be less than a certain value.

Acknowledgments

The data used for this report were computed, compiled, and prepared for publication by the U.S. Geological Survey in cooperation with the Arkansas Geological Commission and with other State and Federal agencies. Assistance with the basic-data collection was provided through cooperation with Federal and State agencies, principally the U.S. Army Corps of Engineers, Soil Conservation Service, National Weather Service, Environmental Protection Agency, Arkansas State Highway Commission, and the Arkansas Department of Pollution Control and Ecology.

RECORDS AVAILABLE

The basic data used for this report were collected at 107 continuous-record gaging stations in Arkansas and at 183 partial-record stations in Arkansas and in Oklahoma near the State line. The locations of these sites are shown in figure 1. The period of record for each station is shown in the brief station description in the appendix and also, for continuous-record gaging stations only, in tables 1 and 2. Some continuous-record gaging-station data collected during a short period of time were

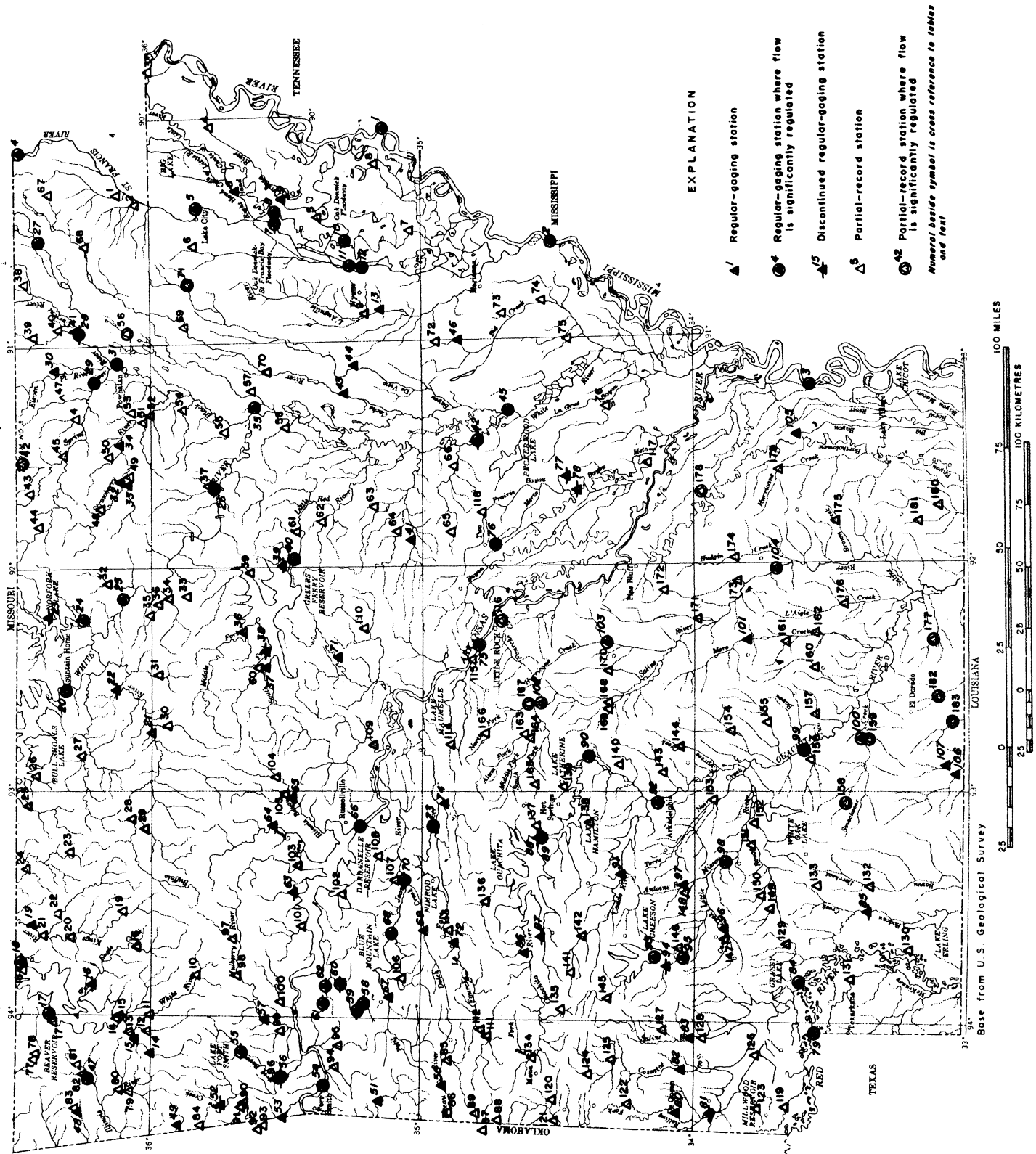


Figure 1.—Locations of regular gaging-station and partial-record station data-collection sites.

analyzed by the same procedures as used for partial-record stations. Descriptions of these stations and the associated analytical results are included with the partial-record stations.

In addition to records collected at continuous-record gaging stations, 9 to 20 base-flow discharge measurements were made at each of 183 partial-record stations. These measurements were used for estimating flow duration and low-flow frequency characteristics. Discharge measurements at partial-record stations were collected from 1957 to 1968.

Data on regulated streams were included because experience has shown that almost as many requests are received for information on regulated streams as are received for the previous formal reports. The additional 12 years of record now available for most regulated streams permits a more reliable determination of low-flow characteristics than for the previous report.

"If the pattern of regulation of a stream has been consistent for several years and is expected to continue so, low-flow frequency curves based on the record for those years may be useful" (Riggs, 1972, p. 14). The user is asked to examine the flow records for a particular continuous-record gaging station under consideration and decide if the pattern of regulation is sufficiently uniform to allow him to use the regulated frequency data shown herein. Regulation at partial-record stations is minor and consists mostly of diversion of small amounts of inflow.

Included in this report in tables 1, 2, and 3, are the results of analysis or reanalysis of the following. (The unfamiliar terms used are defined in the "Glossary.")

1. Continuous record gaging-station records used in previous reports, together with 12 years of additional records at some sites and records for stations recently established.
2. Continuous-record gaging-station records for regulated streams.
3. Partial-record-station data used in previous reports.
4. Partial-record-station data collected subsequent to publication of previous reports.

METHODS OF ANALYSIS

Flow Duration

Flow Duration at Continuous-Record Gaging Stations

The flow-duration relationship is a means of representing streamflow data that combines in one curve the characteristics of a stream (at the gaging-station location) throughout the range of flow at the site. The duration curve, which is the frequency distribution of daily-mean flows for a period of record, does not maintain the sequence of flows but is defined by the use of flow values grouped according to magnitude. By examination of the slope of the duration curve, a measure of flow variability is apparent. If streamflow during the data-collection periods is representative of the long-term flow of the stream then the associated flow-duration curve can be used to estimate the duration of future flows.

Characteristics of the duration curve differ from stream to stream and between points on the same stream. However, duration curves show similar characteristics when grouped geographically and physiographically. These groupings in Arkansas provide five distinct duration-curve configurations, as shown in figure 2. The factors influencing the unique shape of each curve may become apparent when the stream drainage basin is considered in relation to a geologic and physiographic map.

The time interval customarily used for flow-duration curves is the day; thus, the flow-duration values shown in this report were determined using daily-mean flow. Use of a longer interval, such as a week or a month, would not reveal as many of the flow characteristics at a site. Also, an annual duration curve may differ considerably from the period-of-record duration curve (Hines, 1965, fig. 5). The difference is most noticeable in the range of high and low percentages and is the least noticeable near the percentage represented by the mean annual flow (between 20 and 40 percent in Arkansas). A more complete discussion is in Searcy (1959). In addition, daily-mean flow has received wide acceptance as a standard for navigation clearance and boundary definition.

The flow-duration curves prepared for this report were defined by the percentage of time, during the period of record, that the daily-mean flow was greater than a specified value. The daily-mean-flow values for the period of record at each gaging station were sorted by computer into about 30 classes. Each class represents a range in daily-mean flow. These classes include the highest and lowest daily flows and are uniformly

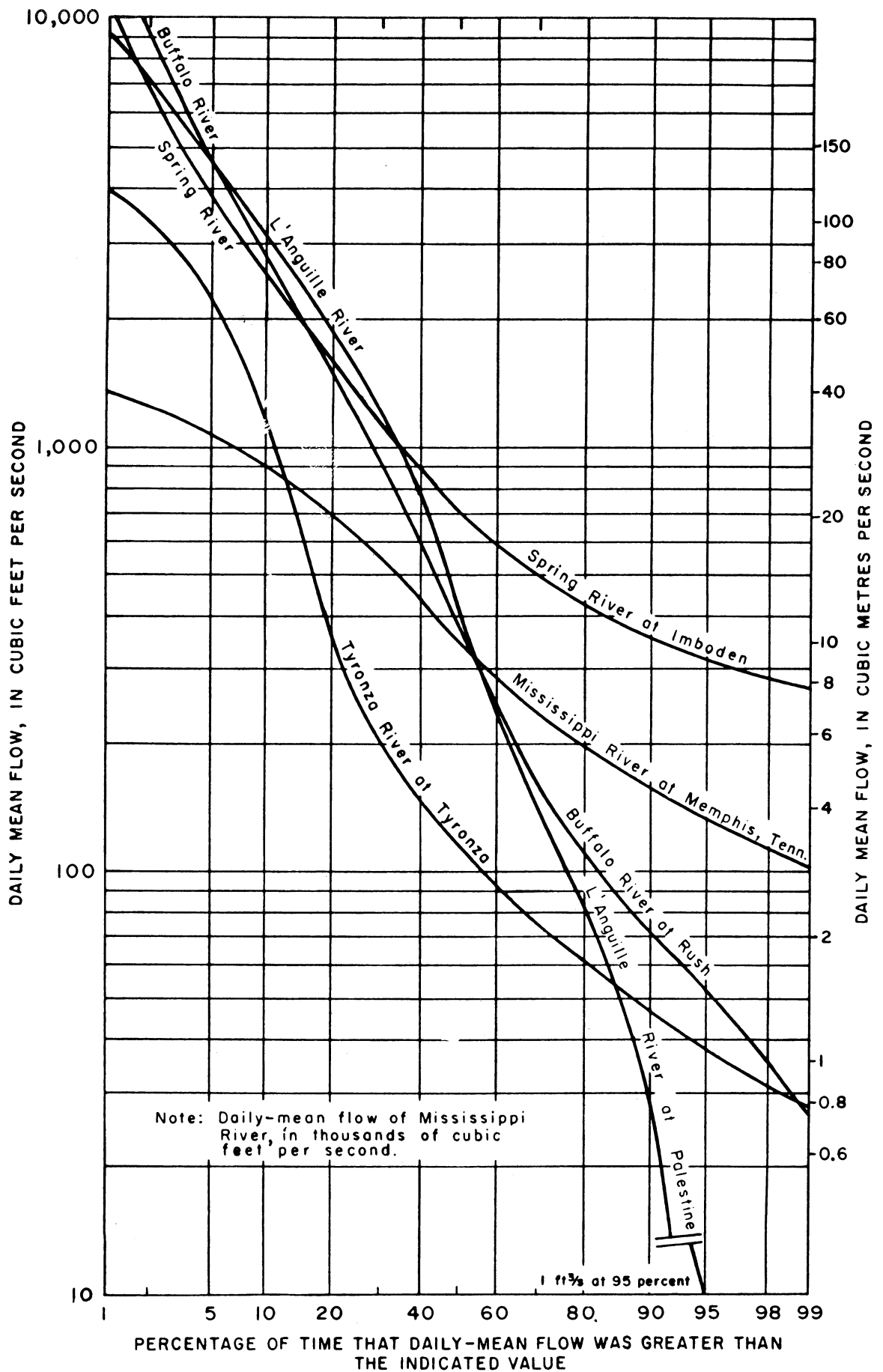


Figure 2.—Flow-duration relationships for five Arkansas streams.

distributed throughout the range of daily flow. Each daily-mean flow for the period of record was included in its appropriate class. The number of days thus represented in each class were accumulated, beginning at the highest daily-mean flow class, and the percentage of days when the flow was greater than the lower limit of each class in the accumulation was computed. Using the lower limit of each class, in cubic feet per second, as a plotting position and the corresponding percentages of time, a plot was made on a special log-probability paper and then a smooth curve was drawn through these points, as shown in figure 3 for Tyronza River near Tyronza. Values in table 1 were then selected at points from 0.5 to 99.9 percent, as determined by the curve. For convenience, only the points from 1 to 99 percent are shown in the illustration.

Estimating Flow Duration at Partial-Record Stations

Flow-duration curves, figures 2 and 3, can be defined only from a continuous record of streamflow. However, data collected at partial-record stations can be used to estimate points on the duration curve, but the use of periodic streamflow measurements instead of continuous records puts serious limitations on the amount as well as the accuracy of information generated.

At the partial-record stations, discharge measurements were made during different seasons of the year for several years. At some sites data were collected from 1957 through 1963, at other sites, from 1963 through 1968. (See brief station descriptions in the appendix.)

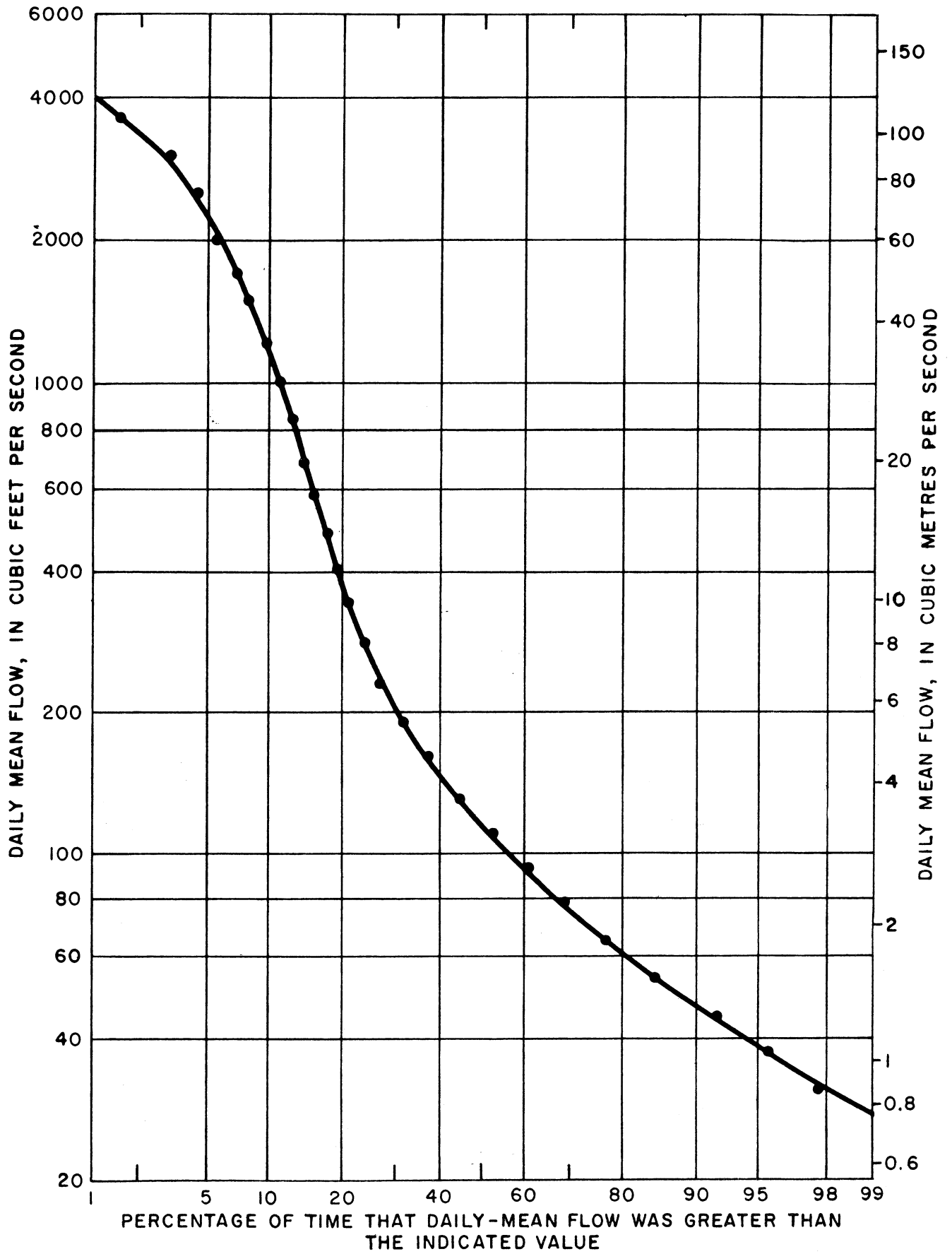


Figure 3.—Flow-duration relation for Tyronza River near Tyronza, 1950-70.

The measurements at partial-record stations were plotted on log paper against concurrent daily-mean flow, as shown in figure 4, at each of two or more continuous-record gaging stations that are thought to be similar to the partial-record station. The best relation, in this example figure 4, was used, assuming that during low-flow periods the change in flow during the day is very slight and the discharge-measurement results at the partial-record site are equivalent to the daily-mean flow. Thus, in effect, figure 4 is a relation between daily-mean flows for Blue Spring and Osage Creek. It is assumed further that if a relation exists between daily-mean flows, the same relation applies to the duration of daily-mean flows. Nearby gaging stations were used for first trials, but gaging stations in another river basin or in another State may have been finally selected. The selection of gaging stations was guided by topography, physiography, geologic structure, and lithology.

Where suitable regressions were defined, as shown in figure 4, the flow-duration values (table 1, in appendix) for the regular gaging stations were used to estimate flow duration for the partial-record stations. For example, the 99-percent duration value of 12 ft³/s (0.34 m³/s) for Osage Creek (fig. 3) gives an estimated value of 1.3 ft³/s (0.04 m³/s) for Blue Spring. Normally, duration values would not be estimated; but because of the many requests for the information, the estimates are included.

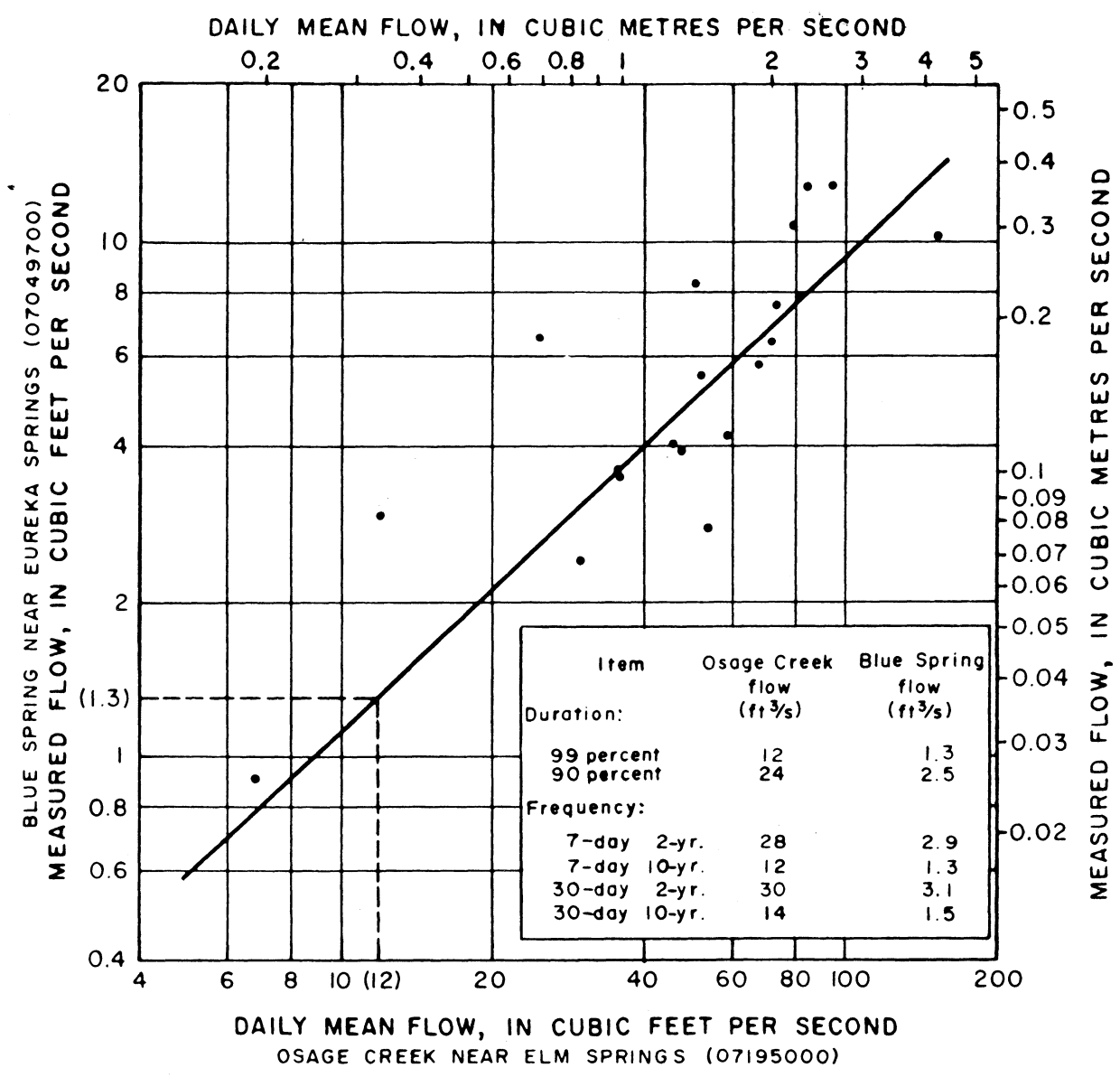


Figure 4.—Relationship between continuous-record gaging-station daily-mean flow and partial-record-station discharge-measurement results.

Low-Flow Frequency

Low-Flow Frequency at Continuous-Record Gaging Stations

The data used to define low-flow frequency curves were the lowest mean discharges for 1, 7, 14, 30, 60, and 120 consecutive days in each year of record. Points on the frequency curves for the above-mentioned consecutive-day period and for selected recurrence intervals are shown in table 2. This selection of frequency items is sufficient to allow reasonably accurate interpolation for other consecutive-day periods and recurrence intervals. More complete information for other periods or recurrence intervals can be obtained from the Arkansas Geological Commission.

Frequency curves were defined by two methods: one, mathematical, figure 5, the other, graphical, figure 6. For those station records that did not contain zero flow or outlier values that would inaccurately alter the shape of the mathematically fitted curve, the mathematical log-Pearson type III method was used to compute the low-flow frequency distribution. For a more detailed discussion of the log-Pearson type III distribution, the reader is referred to U.S. Water Resources Council Bulletin 15, published in 1967. Although this bulletin discusses the application to annual flood peaks only, the same treatment is used here for annual low flows. The mathematical method (log-Pearson type III) gives acceptable results when compared with the graphical method, and its use results in a tremendous saving in the cost of a low-flow-frequency analysis. For those station records containing zero flow or outlier values, a graphical method was used (Riggs, 1972). For a few stations

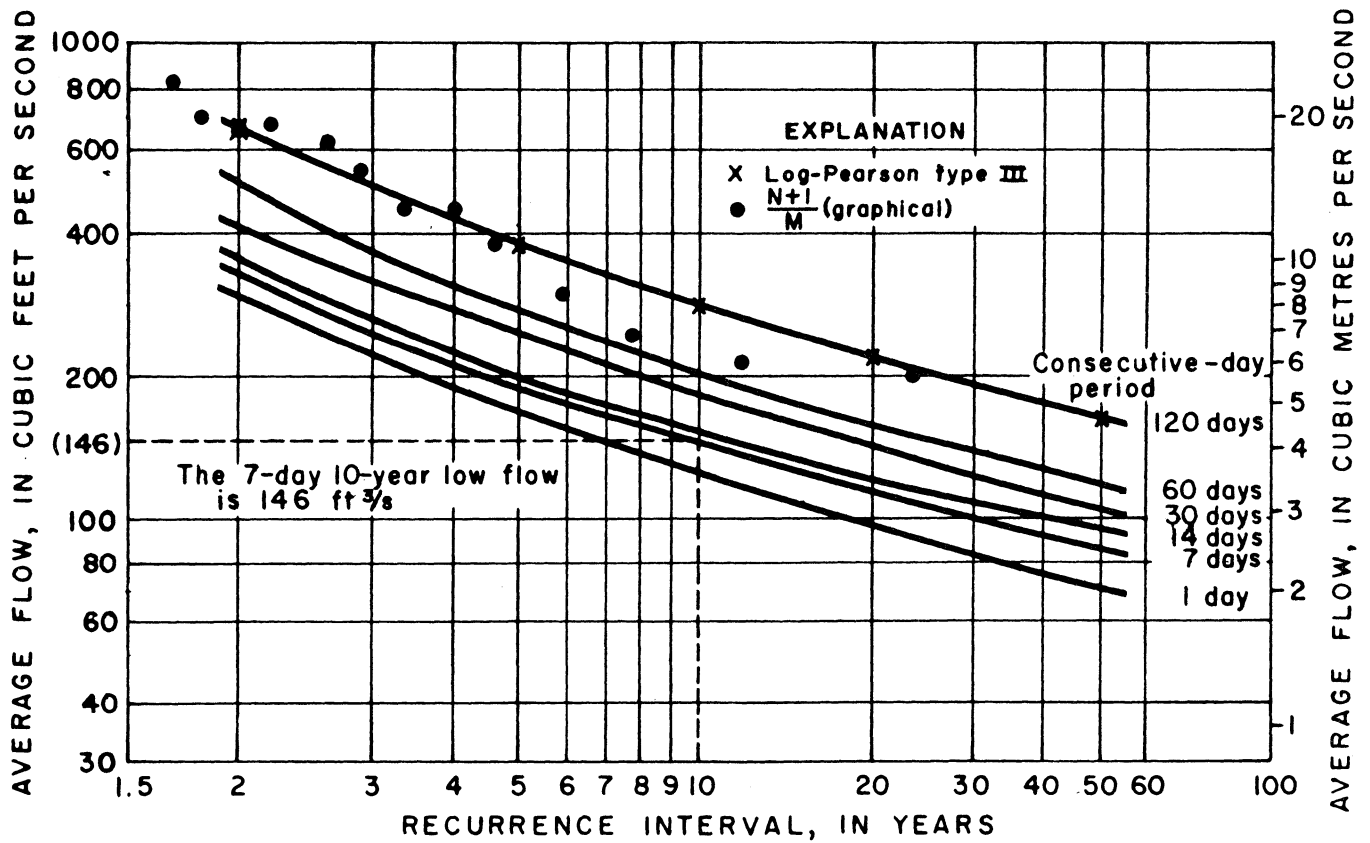


Figure 5.—Low-flow-frequency curves for Right Hand Chute of Little River at Rivervale, 1948-69, determined by log-Pearson type III method.

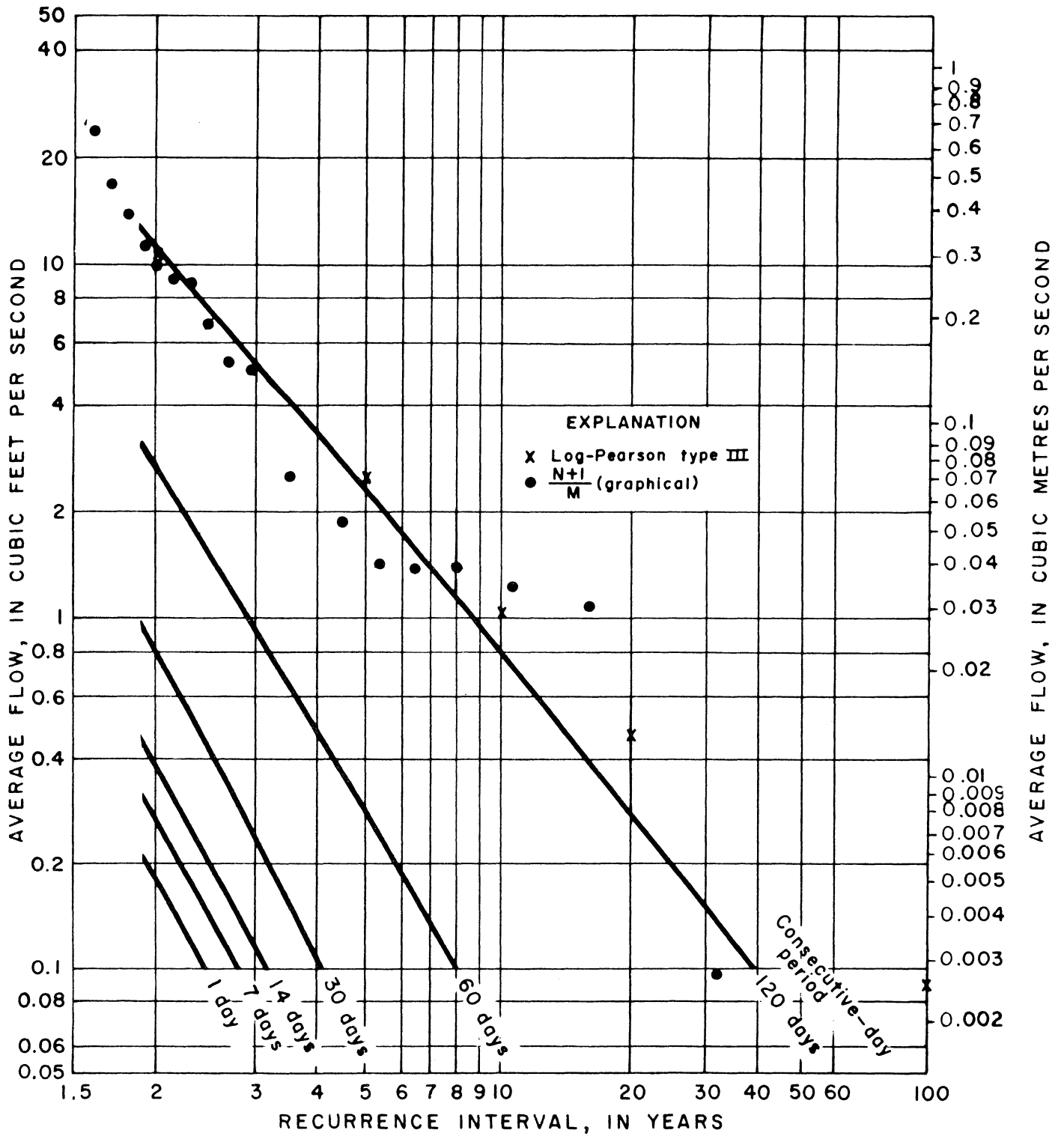


Figure 6.—Low-flow-frequency curves for Saline River near Dierks, 1939-70.

an exclusively graphical method was considered to give the most representative results, regardless of flow. For some stations a combination of the two methods was judged to give better results than either method when used exclusively. In short, the data as presented are considered the most reasonable description of the low-flow-frequency distribution at the specified sites.

Estimating Low-Flow Frequency at Partial-Record Stations

Streamflow records of less than 5 to 6 years in length, consisting of either continuous records or a yearly series of base-flow discharge measurements, are inadequate for the definition of low-flow-frequency curves as shown in figures 5 and 6. However, daily-mean flows or discharge measurements during periods of base-flow recession may be related to concurrent daily-mean flows at a nearby long-term continuous-record gaging station. The discharges at selected recurrence intervals for the long-term continuous-record gaging station are then transferred through the relation to estimate the corresponding values at the short-record station. For example, referring to figure 4, the 7-day 10-year low flow of 12 ft³/s (0.34 m³/s) at Osage Creek gives an estimate of the 7-day 10-year low flow of 1.3 ft³/s (0.04 m³/s) at Blue Spring. The partial-record-station frequency information thus developed is shown in table 3. Normally, only 1 or 2 low-flow-frequency values would be estimated in this manner, but the choice for this report was prompted by the many requests for the 4 frequency parameters shown in table 3.

DISCUSSION OF RESULTS

Use of Data

Flow Duration

Flow-duration data, as a hydrologic tool, can be used to estimate the probability of occurrence of future streamflow, if the data used for the duration-relationship definition are representative of the long-term experience of the stream. In addition, the discharge and basin characteristics of a stream are clearly shown by the duration relationship.

When used to estimate future flow, the accuracy is directly related to the length of record. The more reliable estimates come from the longer records. When used to appraise discharge and basin characteristics, the length of record is again significant; but short records reveal considerable information.

Looking at table 1 for station 07040100 St. Francis River at St. Francis (map no. 4), we see substantial values from 90 to 99.9 percent of the time, which is indicative of sustained base flow. We also see that flow for 0.5 percent of the time is a little more than 20 times the median (50-percent) flow, which is indicative of a flat-gradient, sluggish stream.

Again looking at table 1 for stations 07050500 Kings River near Berryville (map no. 19) and 07074000 Strawberry River near Poughkeepsie (map no. 34), we see there is an 11-percent difference in drainage areas

but a 20-percent difference in median (50-percent) flow in the opposite direction. More significantly, base flow (90 to 99.9 percent) of Strawberry River is from 3 to 63 times that of Kings River. Both of these streams are in mountainous terrain, have steep gradients and are flashy. In making comparisons, consideration must be given to the period of record and associated climatic conditions. Among other uses of flow duration data are the determination of vertical navigation clearance (52 feet above the 2-percent flow line) and the location of legal boundaries which are established by the courts at some specified percentage of flow. Flow-duration data can also be used in preliminary estimates of waste-assimilation capacity of a stream and the associated design of treatment facilities.

Low-Flow Frequency

The most extensive and recent (1974-75) use of all available low-flow frequency data in Arkansas was in a waste-assimilation study (Jennings and Bryant, 1974). In this study the steady-state flow used in the dissolved-oxygen modeling projections was the 7-day 10-year flow, as shown in tables 2 and 3.

Patterson (1967) used the 7-day 2-year low flow as an index for regionalization of draft-storage relationships. The ratio of the 7-day 2-year low flow to the mean-annual flow was the estimator used to enter regionalized storage-required curves to determine allowable draft rates.

A more familiar example of the use of low-flow-frequency data may be in association with water-supply reconnaissance.

Assume an industry would like to locate in northwest Arkansas. The manufacturing process requires an average of 5 ft³/s (0.14 m³/s) for 7 days, and could tolerate an insufficient supply once each 10 years. This requirement, when expressed in terms of low-flow frequency, represents the 7-day 10-year low flow. An examination of the data in tables 2 and 3 indicates two possible locations where the 7-day 10-year flow exceeds the required 5 ft³/s (0.14 m³/s): near Elm Springs (station 07195000, map no. 47, table 2), 12 ft³/s (0.34 m³/s); or near Healing Springs (station 07195700, map no. 82, table 3), 7.3 ft³/s (0.21 m³/s). The variations in flow from year to year might be compensated for by storage or to some extent by the fact that the manufacturing process would probably operate 8 hours a day for 5 days a week (a total of 40 hours), while the stream flow would be available 24 hours a day for 7 days a week (a total of 168 hours).

Variations in Low Flow

Variations in low-flow yield are closely associated with variations in climate, physiography, geologic structure, and lithology. To illustrate the variations of streamflow with physiography, the 7-day 2-year low flows have been plotted on figure 7 at or near the data-collection sites. When physiographic boundaries are added, the relationship with

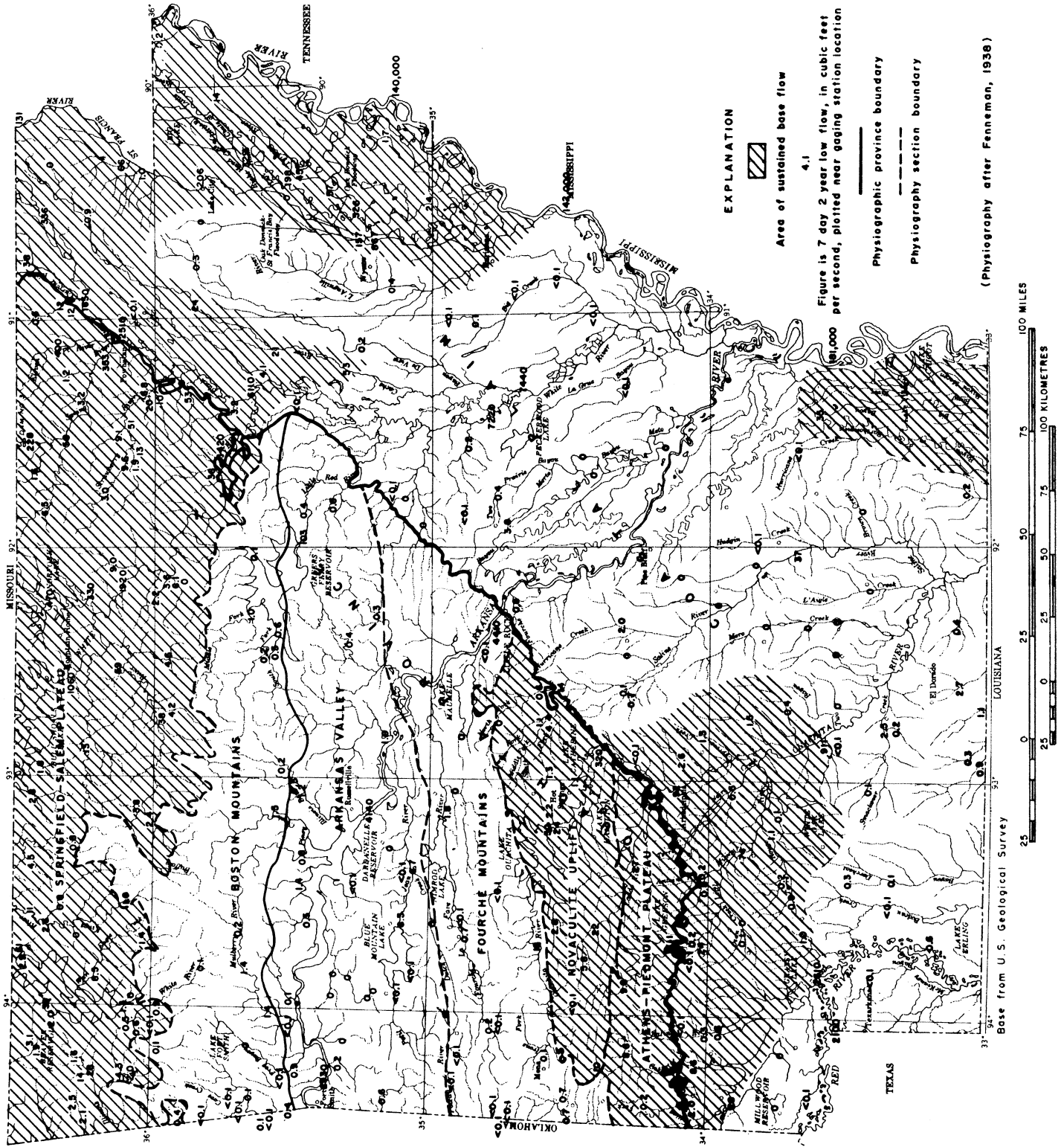


Figure 7.—Areas of sustained base flow as indicated by the 7-day 2-year low flows.

physiography is clearly established with a few exceptions. The most noticeable exception is in the northeastern part of the State where manmade changes may account, in part, for the inconsistency. Other exceptions are shown for large streams and for other streams that are subject to various influences not exclusively physiographic or geologic.

Regulation and Diversion

Few streams in Arkansas are completely unaffected by regulation and diversion. At some locations, the effects of regulation and diversion are slight; whereas, at other locations the stream shows only a seasonal or annual resemblance to natural flow. Nevertheless, where regulation has been governed by an established procedure, uniform during a period of several years, the duration and frequency analyses for continuous records of streamflow are valid and useful so long as the procedure remains unchanged. Manmade effects on streamflow do change from time to time and any such changes made subsequent to this analysis must be evaluated to determine if the duration and frequency data in this report are useful for a particular purpose.

Streams known to have been affected by regulation and diversion during the data-collection period have been so indicated in the "Remarks" paragraph of the brief station descriptions. The significance of the effects of regulation and diversion is a function of the use to be made of the data and must be so evaluated for each stream. Where a signifi-

cant change in streamflow regime occurred during the period of record, the record was separated at the time of the change and each part was analyzed independently. Flow-duration data and low-flow-frequency data are included herein for most records so divided. At most continuous-record gaging stations, regulation and diversion are routinely documented; but at partial-record stations, such modification to streamflow may go undetected.

Estimating Low-Flow Characteristics at Ungaged Sites

This report contains low-flow duration and frequency information for 290 sites. Experience has shown that like data will be needed at many ungaged sites. The natural reaction, then, is to regionalize low-flow data by relating duration and frequency data to basin parameters that can be readily measured. To date (1975), a suitable regionalization technique has not been developed for the State.

The alternative to regionalization is the method used herein for partial-record stations; that is, to collect several low-flow discharge measurements and develop a relation with daily-mean flow at two or more gaging stations. Although the best results will be obtained if the measurements are made in different seasons of the year during a period of several years, useful, but less accurate, information can be produced from a few measurements made during an annual low-flow recession extending throughout a period of several weeks.

Presentation of Analytical Results

The results of the analyses associated with this report are presented in tables 1, 2, and 3, at the end of the report. The format used in these tables is, as much as practicable, such as that used in other reports listed under "Selected References." Terminology has been duplicated or modified slightly. For example, the expression "...equaled or exceed..." has been modified to "...exceeded..." in reference to flow duration.

Table 1 contains flow-duration data for 107 continuous-record gaging stations. Some station records have been separated into segments that were affected by varying degrees of regulation. The period of record for each segment is shown in the "Records used (water years)" column. For comparison purposes, some duration data are shown for segments of record and also for the complete record. (See station number 07265450 Mississippi River near Arkansas City.)

Table 1 shows that 10 percent of the time from 1929 to 1949 discharge of the Mississippi River near Arkansas City exceeded 1,130,000 ft³/s (32,000 m³/s), and during 1950-71 exceeded 1,010,000 ft³/s (28,600 m³/s, and for the complete period 1929-72 exceeded 1,040,000 ft³/s (29,400 m³/s). (Note that data in this part of table 1 are in thousands of cubic feet per second.) The difference in duration of flow could be interpreted to mean that flood-control measures constructed in the early 1950's reduced high discharges. This conclusion would depend on whether the Mississippi River was subjected to similar climatic conditions during the periods 1929-49 and 1959-71. Many other factors should be evaluated before final interpretation of the data.

Table 2 contains low-flow-frequency data for 107 continuous-record gaging stations. Again, some of the records have been separated into segments that were affected by varying degrees of regulation. In table 2, for station 07047950 L'Anguille River at Palestine (map no. 13), we see that the minimum-average flow for 60 consecutive days will be less than 11 ft³/s (0.31 m³/s) on the average of once for each 5 years.

In table 2, the dashed lines indicate that data were not extracted from the analyses at the particular frequency level or the records were of insufficient length to provide valid data, or the discharges were zero. The data in parentheses were obtained by a small extrapolation.

The lowest value shown, where zero flow was uncertain, is <0.1 for small streams and <1.0 for larger streams. The separation, of course, was arbitrary.

Table 3 contains abbreviated flow duration and low-flow-frequency data for 183 partial-record stations. These data were estimated from a relationship between discharge measurements made at the partial-record site and concurrent daily-mean discharge for two or more continuous-record gaging stations.

Referring to table 3, we see that at station 07040300 Big Slough Ditch near Marmaduke (map no. 1), the minimum-average discharge for 7 consecutive days will be less than 66 ft³/s (1.9 m³/s) on the average of once for each 2 years. In addition, we see in table 3 that 64 ft³/s (1.8 m³/s) will be exceeded 90 percent of the time throughout a long period.

GLOSSARY

Base flow, that part of streamflow derived mostly from effluent ground water.

Continuous-record gaging station, a gaging station where a continuous record of discharge is obtained.

Flow duration, the percentage of time during the period of record that a given daily-mean flow was equaled or exceeded. This parameter consists of two elements--magnitude, in cubic feet per second, and the percentage of time.

Flow-duration curve, a cumulative frequency curve that shows the percentage of time that specified discharges are equaled or exceeded.

Low-flow frequency, the probability that daily-mean streamflow will recede to or less than a given amount. This parameter consists of two elements--magnitude, in cubic feet per second, and the average time interval of recurrence, in years. For example, Q_{7-10} means that the annual minimum average daily-mean flow for 7 consecutive days will be equal to or less than the given amount on the average of once each 10 years.

Partial-record station, a gaging station where abbreviated streamflow data are collected. A low-flow partial-record station is where base-flow discharge is measured.

Regression, a process in which the frequency distribution of one variable is defined when another is held fixed at each of several levels.

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APPENDIX
STATION DESCRIPTIONS

STATION DESCRIPTIONS

Continuous-Record Gaging Stations

Map no.	Description	Map no.	Description
<i>Mississippi River main stem</i>		<i>St. Francis River basin--Continued</i>	
1	07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN. Location.--Lat 35°07'37", long 90°04'25", Shelby County, on left bank 50 ft downstream from Harahan Bridge at Memphis, 1.3 miles downstream from Beale Street gage, 3.5 miles downstream from Wolfe River, 70 miles upstream from St. Francis River, at mile 734.8 Drainage area.--932,800 mi ² (approximately). Records analyzed.--1934-70. Remarks.--Regulated by many reservoirs and dams.	8	07047500 ST. FRANCIS RIVER AT MARKED TREE, ARK. Location.--Lat 35°32'58", long 90°25'25", in NE¼SW¼ sec.35, T.11 N., R.6 W., Poinsett County, near left bank on downstream side of bridge on U.S. Highway 63 at Marked Tree, 4.8 miles downstream from Little River, 7 miles downstream from dam of Poinsett County Drainage District 7, and at mile 148.0 Drainage area.--5,148 mi ² , includes that of floodway. Records analyzed.--1935-69. Remarks.--See station 07047000.
2	07047970 MISSISSIPPI RIVER AT HELENA, ARK. Location.--Lat 34°31'26", long 90°35'02", Phillips County, on right bank at railroad ferry landing at Helena, 10 miles downstream from St. Francis River, and at mile 666.3 (1962 adjustment). Drainage area.--941,700 mi ² (approximately). Records analyzed.--1929-69. Remarks.--Regulated by many reservoirs and dams.	9	07047600 TYRONZA RIVER NEAR TYRONZA, ARK. Location.--Lat 35°30'18", long 90°22'48", in SE¼ sec.7, T.10 N., R.7 E., Poinsett County, at bridge on U.S. Highway 63, 1.5 miles northwest of Tyronza, and at mile 34.8. Drainage area.--290 mi ² . Records analyzed.--1950-70. Remarks.--Regulated by irrigation practices.
3	07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, ARK. Location.--Lat 33°33'55", long 91°14'35", sec. 18, T.13 S., R.1 W., Desha County, on right bank 3 miles southwest of Arkansas City, and at mile 554.1. Drainage area.--1,130,600 mi ² (approximately). Records analyzed.--1929-71. Remarks.--Regulated by many reservoirs and dams.	10	07047800 ST. FRANCIS RIVER AT PARKIN, ARK. Location.--Lat 35°16'23", long 90°33'33", in NE¼SE¼ sec.33, T.8 N., R.5 E., Cross County, at bridge on U.S. Highway 64 at Parkin, 1.1 miles downstream from Tyronza River, and at mile 102.0. Drainage area.--Indeterminate. Records analyzed.--1931-69. Remarks.--See station 07047000.
<i>St. Francis River basin</i>		11	07047900 ST. FRANCIS BAY AT RIVERFRONT, ARK. Location.--Lat 35°15'34", long 90°40'48", in NW¼ sec.4, T.7 N., R.4 E., Cross County, at bridge on U.S. Highway 64 at Riverfront, 7 miles west of Parkin. Drainage area.--Indeterminate. Records analyzed.--1936-69. Remarks.--See station 07047000.
4	07040100 ST. FRANCIS RIVER AT ST. FRANCIS, ARK. Location.--Lat 36°27'21", long 90°08'13", in sec. 18, T.21 N., R.9 E., Clay County, at bridge on U.S. Highway 62 at St. Francis and at mile 229. Drainage area.--1,772 mi ² . Records analyzed.--1931-69. Remarks.--Regulated since Apr. 1, 1941, by Wappapello Lake (Mo.), 80 miles upstream.	12	07047902 ST. FRANCIS RIVER AT LATITUDE OF WITTSBURG, ARK. Location.--Lat 35°13'00", long from 90°38'00" to 90°42'00". Drainage area.--6,475 mi ² (combined drainage area of St. Francis River at Parkin and St. Francis Bay at Riverfront). Records analyzed.--1936-69. Remarks.--Flow is sum of that for St. Francis River at Parkin and St. Francis Bay at Riverfront and represents total flow of St. Francis River.
5	07040450 ST. FRANCIS RIVER AT LAKE CITY, ARK. Location.--Lat 35°49'16", long 90°25'56", in SE¼ sec.22, T.14 N., R.6 E., Craighead County, on left-bank pier of bridge on State Highway 18 at Lake City and at mile 173.6. Drainage area.--2,374 mi ² . Records analyzed.--1932-69. Remarks.--Regulated since Apr. 1, 1941, by Wappapello Lake (Mo.), 135 miles upstream.	13	07047950 L'ANGUILLE RIVER AT PALESTINE, ARK. Location.--Lat 34°58'20", long 90°53'10", in NW¼ sec.10, T.4 N., R.2 E., St. Francis County, at bridge on U.S. Highway 70, 1 mile east of Palestine, and at mile 33.6. Drainage area.--786 mi ² . Records analyzed.--1950-70. Remarks.--Regulated by irrigation practices.
6	07046600 RIGHT HAND CHUTE OF LITTLE RIVER AT RIVERVALE, ARK. Location.--Lat 35°40'20", long 90°20'12", in SW¼ sec.10, T.12 N., R.7 E., Poinsett County, at bridge on State Highway 135 at Rivervale, 9 miles upstream from St. Francis River. Drainage area.--2,106 mi ² . Records analyzed.--1948-69. Remarks.--Regulated by irrigation practices.	<i>White River basin</i>	
7	07047000 ST. FRANCIS RIVER FLOODWAY NEAR MARKED TREE, ARK. Location.--Lat 35°32'15", long 90°29'05", in SE¼ NE¼ sec.31, T.11 N., R.6 E., Poinsett County, on downstream side of bridge on U.S. Highway 63, 3.6 miles west of Marked Tree. Drainage area.--Indeterminate. Records analyzed.--1935-70. Remarks.--Regulated since Apr. 1, 1941, by Wappapello Lake (Mo.). Flow distribution between St. Francis River and St. Francis floodway changed in 1965. See "Water Resources Data for Arkansas, Part 1. Surface Water Records "	14	07048000 WEST FORK WHITE RIVER AT GREENLAND, ARK. Location.--Lat 35°58'50", long 94°10'25", in NW¼NW¼ sec.16, T.15 N., R.30 W., Washington County, near left bank on downstream side of highway bridge, 800 ft upstream from bridge on U.S. Highway 71, 1 mile south of Greenland, 5.5 miles upstream from small tributary, and at mile 10.5. Drainage area.--83.1 mi ² . Records analyzed.--1946-70. Remarks.--Natural-flow data.

STATION DESCRIPTIONS

Continuous-Record Gaging Stations

Map no.	Description	Map no.	Description
	White River basin--Continued		White River basin--Continued
15 07048500	WEST FORK WHITE RIVER NEAR FAYETTEVILLE, ARK. Location.--Lat 36°03', long 94°07', in NE¼ sec.24, T.16 N., R.30 W., 3 miles Southeast of Fayetteville and 3.5 miles upstream from mouth. Drainage area.--120 mi ² . Records analyzed.--1938-45. Remarks.--Regulated by withdrawal for municipal water supply.	21 07056000	BUFFALO RIVER NEAR ST. JOE, ARK. Location.--Lat 35°59'02", long 92°44'44", in SW¼SW¼ sec.36, T.16 N., R.17 W., Searcy County, near right bank on downstream side of bridge on U.S. Highway 65, 1.6 miles downstream from Mill Creek, 5.4 miles upstream from Bear Creek, 4.5 miles southeast of St. Joe, and at mile 58.3. Drainage area.--829 mi ² . Records analyzed.--1940-70. Remarks.--Natural-flow data.
16 07049000	WAR EAGLE CREEK NEAR HINDSVILLE, ARK. Location.--Lat 36°12'02", long 93°51'20", in SE¼ NE¼ sec.28, T.18 N., R.27 W., Madison County, on left bank about 800 ft upstream from bridge on State Highway 45, 3.9 miles downstream from Clear Creek, 3.9 miles north of Hindsville, and at mile 22.4. Drainage area.--263 mi ² . Records analyzed.--1953-70. Remarks.--Natural-flow data.	22 07057000	BUFFALO RIVER NEAR RUSH, ARK. Location.--Lat 36°07'02", long 92°33'17", in SE¼NE¼ sec.15, T.17 N., R.15 W., Marion County, on left bank 0.6 mile upstream from Rush Creek, 1.4 miles southeast of Rush, and at mile 24.3. Drainage area.--1,096 mi ² . Records analyzed.--1929-70. Remarks.--Natural-flow data.
17 07049500	WHITE RIVER NEAR ROGERS, ARK. Location.--Lat 36°19'59", long 94°01'07", in NE¼ sec.12, T.19 N., R.29 W., on right bank at downstream side of pier of bridge on State Highway 12, 2.6 miles upstream from Prairie Creek, 5.5 miles east of Rogers, and at mile 643.2. Drainage area.--1,020 mi ² . Records analyzed.--1953-63. Remarks.--See station 07048600.	23 07059000	NORTH FORK RIVER NEAR HENDERSON, ARK. Location.--Lat 36°22', long 92°14', in SE¼NW¼ sec.26, T.20 N., R.12 W., 0.5 mile downstream from Bennetts Bayou, 0.5 mile west of Henderson, and 19 miles upstream from mouth. Drainage area.--1,611 mi ² . Records analyzed.--1929-42. Remarks.--Natural-flow data.
18 07050000	WHITE RIVER AT BEAVER, ARK. Location.--Lat 36°28'20", long 93°45'55", in NE¼ sec.20, T.21 N., R.26 W., on upstream side at center of main truss of Missouri and North Arkansas Railway bridge, a quarter of a mile east of Beaver, 2.8 miles upstream from Leatherwood Creek, and at mile 595.5. Drainage area.--1,244 mi ² . Records analyzed.--1922-28. Remarks.--Natural-flow data.	24 07060000	NORTH FORK RIVER AT NORFORK DAM, NEAR NORFORK, ARK. Location.--Lat 36°14'57", long 92°14'18", in SE¼SW¼ sec.2, T.18 N., R.12 W., Baxter County, at Norfork Dam, 3.9 miles northeast of Norfork, and at mile 4.8. Drainage area.--1,808 mi ² . Records analyzed.--1945-70. Remarks.--Completely regulated by Norfork Lake.
19 07050500	KINGS RIVER NEAR BERRYVILLE, ARK. Location.--Lat 36°25'36", long 93°37'15", in SE¼ NE¼ sec.3, T.20 N., R.25 W., Carroll County, on right bank at downstream side of bridge on State Highway 143, 1.5 miles downstream from Bee Creek, 2.5 miles upstream from Clabber Creek, 5.3 miles northwest of Berryville, and at mile 35.1. Drainage area.--527 mi ² . Records analyzed.--1940-70. Remarks.--Natural-flow data.	25 07060500	WHITE RIVER AT CALICO ROCK, ARK. Location.--Lat 36°06'58", long 92°08'35", in SE¼NE¼ sec.22, T.17 N., R.11 W., Izard County, on left bank at Calico Rock, 200 ft upstream from bridge on State Highway 5, 700 ft upstream from Calico Creek, 3.2 miles downstream from Cataract Creek, 6 miles upstream from Piney Creek, and at mile 359.1. Drainage area.--9,978 mi ² . Records analyzed.--1940-50, 1952-70. Remarks.--1940-50: Regulated by Norfork Lake after May 1943. 1952-70: Regulated by Norfork Lake and Bull Shoals Lake since 1951, Table Rock Lake since 1956, and by Beaver Lake since 1963.
20 07055000	WHITE RIVER NEAR FLIPPIN, ARK. Location.--Lat 36°18'50", long 92°33'20", in NE¼ sec.10, T.19 N., R.15 W., Marion County, on right bank, 1.3 miles upstream from Hightower Creek, 3 miles northeast of Flippin, 11.5 miles downstream from Bull Shoals Dam, 11.8 miles upstream from Crooked Creek, and at mile 406.7. Drainage area.--6,081 mi ² . Records analyzed.--1929-50, 1952-70. Remarks.--1920-50: Low flow regulated by Lake Taneycomo (Mo.); 1952-70: Completely regulated by Bull Shoals Lake.	26 07061000	WHITE RIVER AT BATESVILLE, ARK. Location.--Lat 35°45'37", long 91°38'28", in NE¼ sec.21, T.13 N., R.6 W., on left bank at downstream side of bridge on State Highway 11 at Batesville, 0.3 mile upstream from Lock and Dam 1, 0.6 mile downstream from Polk Bayou, and at mile 300.1. Drainage area.--11,070 mi ² . Records analyzed.--1938-51. Remarks.--See station 07060500.

STATION DESCRIPTIONS
Continuous-Record Gaging Stations

Map no.	Description	Map no.	Description
<i>White River basin--Continued</i>		<i>White River basin--Continued</i>	
27	07064000 BLACK RIVER NEAR CORNING, ARK. Location.--Lat 36°24'07", long 90°32'29", in SW¼ NE¼ sec.4, T.20 N., R.5 E., Clay County, near left bank on downstream side of bridge on U.S. Highway 62, 2.2 miles east of Corning, 11.9 miles downstream from Cane Creek, and at mile 152.2. Drainage area.--1,749 mi ² . Records analyzed.--1939-70. Remarks.--Regulated since 1948 by Clearwater Lake, 105 miles upstream.	33	07073500 PINEY FORK AT EVENING SHADE, ARK. Location.--Lat 36°04'50", long 91°36'39", in SE¼ NE¼ sec.34, T.17 N., R.6 W., Sharp County, on right bank 20 ft upstream from bridge on U.S. Highway 167, 0.8 mile north of Evening Shade, and at mile 5.8. Drainage area.--99.2 mi ² . Records analyzed.--1940-70. Remarks.--Natural-flow data.
28	07069000 BLACK RIVER AT POCAHONTAS, ARK. Location.--Lat 36°15'14", long 90°58'12", in SW¼ SW¼ sec.27, T.19 N., R.1 E., Randolph County, near right bank on downstream side of bridge on U.S. Highway 67 at Pocahontas, 2.2 miles downstream from Fourche River, 6.4 miles downstream from Current River, 18.1 miles upstream from Spring River, and at mile 90.1. Drainage area.--4,845 mi ² . Records analyzed.--1937-70. Remarks.--Regulated since 1948 by Clearwater Lake, 167 miles upstream.	34	07074000 STRAWBERRY RIVER NEAR POUGHKEEPSIE, ARK. Location.--Lat 36°06'37", long 91°26'59", in SE¼ NW¼ sec.19, T.17 N., R.4 W., Sharp County, on right bank on downstream side of bridge on State Highway 58, 0.5 mile downstream from Hurricane Creek, 2.5 miles northeast of Poughkeepsie, and at mile 35.9. Drainage area.--473 mi ² . Records analyzed.--1937-70. Remarks.--Natural-flow data.
29	07069500 SPRING RIVER AT IMBODEN, ARK. Location.--Lat 36°12'19", long 91°10'19", in SE¼ NE¼ sec.15, T.18 N., R.2 W., Randolph County, near left bank on downstream side of bridge on U.S. Highway 62 at Imboden, 1.8 miles upstream from Harding Creek, 3.9 miles downstream from Janes Creek, 8.2 miles upstream from Eleven Point River, and at mile 12.1. Drainage area.--1,183 mi ² . Records analyzed.--1937-70. Remarks.--Regulated by powerplant at Mammoth Spring, 44 miles upstream.	35	07074500 WHITE RIVER AT NEWPORT, ARK. Location.--Lat 35°36'22", long 91°17'19", in NE¼ NE¼ sec.10, T.11 N., R.3 W., Jackson County, on right bank on downstream side of bridge on U.S. Highway 67 at Newport, 7.2 miles downstream from Black River, and at mile 257.6. Drainage area.--19,860 mi ² . Records analyzed.--1928-31, 1938-50, 1952-70. Remarks.--1928-31, 1938-50: Regulated by Norfolk Lake after 1943, by Clearwater Lake after 1948. 1952-70: Regulated by Norfolk, Clearwater Lake, Bull Shoals Lake, and Table Rock Lake since 1956; and by Beaver Lake since 1963.
30	07072000 ELEVEN POINT RIVER NEAR RAVENDEN SPRINGS, ARK. Location.--Lat 36°20'48", long 91°06'48", in SE¼ SE¼ sec.30, T.20 N., R.1 W., Randolph County, on left bank at downstream side of bridge on State Highway 90, 0.9 mile downstream from Hinch Creek, 1.9 miles upstream from Eassis Creek, 6.6 miles northeast of Ravenden Springs, and at mile 21.2. Drainage area.--1,134 mi ² . Records analyzed.--1930-33, 1936-70. Remarks.--Natural-flow data.	36	07075000 MIDDLE FORK LITTLE RED RIVER AT SHIRLEY, ARK. Location.--Lat 35°39'10", long 92°19'10", in SW¼ sec.20, T.12 N., R.12 W., Van Buren County, on right bank 0.5 mile downstream from Sugar Camp (or Weavers) Creek, 1 mile east of Shirley, and at mile 122.0. Drainage area.--302 mi ² . Records analyzed.--1940-70. Remarks.--Natural-flow data.
31	07072500 BLACK RIVER AT BLACK ROCK, ARK. Location.--Lat 36°06'15", long 91°05'50", in NW¼ sec.21, T.17 N., R.1 W., Lawrence County, on right bank 900 ft downstream from St. Louis-San Francisco Railway bridge at Black Rock, 3.7 miles downstream from Spring River, and at mile 68.3. Drainage area.--7,369 mi ² . Records analyzed.--1930-31, 1940-70. Remarks.--Regulated since 1948 by Clearwater Lake (Mo.), 189 miles upstream.	37	07075300 SOUTH FORK LITTLE RED RIVER AT CLINTON, ARK. Location.--Lat 35°35'29", long 92°27'20", in SW¼ sec.14, T.11 N., R.14 W., Van Buren County, near right bank on upstream side of bridge on U.S. Highway 65 at Clinton, 0.2 mile upstream from Archey Creek, and at mile 23.7. Drainage area.--148 mi ² . Records analyzed.--1962-70. Remarks.--Natural-flow data.
32	07073000 STRAWBERRY RIVER NEAR EVENING SHADE, ARK. Location.--Lat 36°05'56", long 91°36'30", in NE¼ NE¼ sec.27, T.17 N., R.6 W., Sharp County, near left bank on downstream side of bridge on U.S. Highway 167, 2 miles north of Evening Shade, 6.3 miles upstream from Piney Fork, and at mile 55.9. Drainage area.--217 mi ² . Records analyzed.--1940-70. Remarks.--Natural-flow data.	38	07075500 SOUTH FORK LITTLE RED RIVER NEAR CLINTON, ARK. Location.--Lat 35°34', long 92°23', in NE¼ sec.29, T.11 N., R.13 W., on left bank 1.8 miles downstream from Pedee Creek, 4.3 miles southeast of Clinton, and 6 miles downstream from Archey Fork. Drainage area.--316 mi ² . Records analyzed.--1940-61. Remarks.--Natural-flow data.
		39	07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, ARK. Location.--Lat 35°32', long 92°00', in NE¼ sec.6, T.10 N., R.9 W., on left bank 2.8 miles downstream from Peter Creek and 3 miles northeast of Heber Springs. Drainage area.--1,141 mi ² . Records analyzed.--1928-61. Remarks.--Natural-flow data, except during backwater periods in June and July of 1960 and in 1961.

STATION DESCRIPTIONS

Continuous-Record Gaging Stations

Map no.	Description	Map no.	Description
<i>White River basin--Continued</i>		<i>White River basin--Continued</i>	
40	07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, ARK. Location.--Lat 35°31'02", long 91°59'50", in NE¼ sec.7, T.10 N., R.9 W., Cleburne County, on right bank 1,600 ft downstream from Greers Ferry Dam, 3 miles northeast of Heber Springs, and at mile 78.8. Drainage area.--1,153 mi ² . Records analyzed.--1963-70. Remarks.--Flow completely regulated by Greers Ferry Lake.	46	07077930 BIG CREEK NEAR MORO, ARK. Location.--Lat 34°50'50", long 91°00'35", in SW¼ NW¼ sec.28, T.3 N., R.1 E., Lee County, on right bank on downstream side of bridge on State Highway 78, 3.5 miles north of Moro, and 5.2 miles upstream from Flat Fork Little River. Drainage area.--77.4 mi ² . Records analyzed.--1963-70. Remarks.--Regulated by irrigation practices.
<i>Arkansas River basin</i>		<i>Arkansas River basin</i>	
41	07076850 CYPRESS BAYOU NEAR BEEBE, ARK. Location.--Lat 35°01'30", long 91°52'23", in SW¼ SW¼ sec.28, T.5 N., R.8 W., White-Lonoke County line, on downstream side of bridge on State Highway 31, 2.1 miles downstream from Mill Creek, 3.2 miles south of Beebe, and 4.7 miles upstream from Pigeon Roost Creek. Drainage area.--166 mi ² . Records analyzed.--1963-70. Remarks.--Natural-flow data.	47	07195000 OSAGE CREEK NEAR ELM SPRINGS, ARK. Location.--Lat 36°13'19", long 94°17'18", in SW¼ NE¼ sec.21, T.18 N., R.31 W., Benton County, on left bank 0.7 mile downstream from Little Osage Creek, and 3.2 miles northwest of Elm Springs. Drainage area.--130 mi ² . Records analyzed.--1951-70. Remarks.--Regulated by lake at Cave Springs.
42	07077000 WHITE RIVER AT DEVALLS BLUFF, ARK. Location.--Lat 34°47'25", long 91°26'45", in SE¼ sec.17, T.2 N., R.4 W., Prairie County, near center of span on downstream side of bridge on U.S. Highway 70, 1 mile northeast of Devalls Bluff, 7.5 miles downstream from Wattensaw Bayou, 24.1 miles upstream from Cache River, and at mile 125.3. Drainage area.--23,483 mi ² . Records analyzed.--1950-70. Remarks.--Regulated by Norfork Lake, Clearwater Lake, and Bull Shoals Lake since 1951, Table Rock Lake since 1956, Greers Ferry Lake since 1962, and Beaver Lake since 1963.	48	07195800 FLINT CREEK AT SPRINGTOWN, ARK. Location.--Lat 36°15'20", long 94°25'50", in NW¼ sec.7, T.18 N., R.32 W., Benton County, on right bank 20 ft downstream from State Highway 12, 0.8 mile southwest of Springtown. Drainage area.--14.2 mi ² . Records analyzed.--1962-70. Remarks.--Regulated by irrigation practices.
43	07077500 CACHE RIVER AT PATTERSON, ARK. Location.--Lat 35°16'10", long 91°14'15", in SE¼ sec.31, T.8 N., R.2 W., Woodruff County, at bridge on U.S. Highway 64 at Patterson, 10.9 miles upstream from Maple Slough, and at mile 77.2. Drainage area.--1,037 mi ² . Records analyzed.--1928-31, 1938-70. Remarks.--Regulated by irrigation practices.	49	07196900 BARON FORK AT DUTCH MILLS, ARK. Location.--Lat 35°52'48", long 94°29'11", on line between secs.21 and 22, T.14 N., R.33 W., Washington County, near right bank on downstream side of bridge on State Highway 59 at Dutch Mills, 2.2 miles downstream from Fly Creek, and 2.9 miles upstream from Arkansas-Oklahoma State line. Drainage area.--46.0 mi ² . Records analyzed.--1959-70. Remarks.--Natural-flow data.
44	07077700 BAYOU DEVIEU AT MORTON, ARK. Location.--Lat 35°15'07", long 91°06'37", near corner of secs.4, 5, 8, and 9, T.7 N., R.1 W., Woodruff County, at bridge on U.S. Highway 64, 1 mile west of Morton, and at mile 39.6. Drainage area.--421 mi ² . Records analyzed.--1940-70. Remarks.--Regulated by irrigation practices.	50	07247000 POTEAU RIVER AT CAUTHRON, ARK. Location.--Lat 34°55'08", long 94°17'55", in NW¼ SW¼ sec.16, T.3 N., R.31 W., Scott County, on right bank at downstream side of highway bridge at Cauthron, 2.9 miles downstream from Cross Creek, 7.8 miles downstream from Jones Creek, and at mile 109.0. Drainage area.--203 mi ² . Records analyzed.--1940-70. Remarks.--Regulated by 9 floodwater-detention reservoirs since September 1970.
45	07077800 WHITE RIVER AT CLARENDON, ARK. Location.--Lat 34°41'08", long 91°18'55", in W¼ sec.22, T.1 N., R.3 W., Monroe County, at St. Louis Southwestern Railway bridge at Clarendon, 1.1 miles downstream from Cache River, and at mile 100.1. Drainage area.--25,555 mi ² . Records analyzed.--1929-50, 1951-70. Remarks.--1929-50: Regulated by Norfork Lake after 1943, by Clearwater Lake after 1948. 1951-70: Regulated by Norfork Lake, Clearwater Lake, and Bull Shoals Lake since 1951, Table Rock Lake since 1956, Greers Ferry Lake since 1962, and Beaver Lake since 1963.	51	07249400 JAMES FORK NEAR HACKETT, ARK. Location.--Lat 35°09'45", long 94°24'55", in NW¼ NW¼ sec.34, T.6 N., R.32 W., Sebastian County, near left bank on downstream side of bridge on State Highway 45, 1.7 miles south of Hackett, 2 miles downstream from Elder Branch, 2 miles upstream from small tributary, and 3.6 miles upstream from Arkansas-Oklahoma State line. Drainage area.--147 mi ² . Records analyzed.--1959-70. Remarks.--Natural-flow data.

STATION DESCRIPTIONS
Continuous-Record Gaging Stations

Map no.	Description	Map no.	Description
<i>Arkansas River basin--Continued</i>		<i>Arkansas River basin--Continued</i>	
52	07249500 COVE CREEK NEAR LEE CREEK, ARK. Location.--Lat 35°43'20", long 94°24'28", in SW¼ NW¼ sec.16, T.12 N., R.32 W., Crawford County, near left bank on downstream side of bridge, 4.5 miles northwest of Lee Creek, and at mile 5.8. Drainage area.--35.3 mi ² . Records analyzed.--1951-70. Remarks.--Natural-flow data.	58	07253000 SIXMILE CREEK AT CHISMVILLE, ARK. Location.--Lat 35°13'15", long 93°56'20", in E½ sec.2, T.6 N., R.28 W., Logan County, on right bank on downstream side of highway bridge at Chismville, 0.5 mile downstream from Rocky Creek, and at mile 25.6. Drainage area.--24.1 mi ² . Records analyzed.--1955-69. Remarks.--Regulated by 4 floodwater-detention reservoirs.
53	07250000 LEE CREEK NEAR VAN BUREN, ARK. Location.--Lat 35°29'40", long 94°26'56", in SE¼ sec.21, T.12 N., R.27 E., Indian Meridian, Sequoyah County, Okla., on right bank 300 ft west of Arkansas-Oklahoma State line, 3.2 miles downstream from Webbers Creek, 6.8 miles northwest of Van Buren, and at mile 7.8. Drainage area.--426 mi ² . Records analyzed.--1931-36, 1951-70. Remarks.--Natural-flow data.	59	07253500 SIXMILE CREEK NEAR BRANCH, ARK. Location.--Lat 35°14'55", long 93°58'28", in NE¼ SE¼ sec.28, T.7 N., R.28 W., Franklin County, 0.4 mile downstream from Rattlesnake Creek, 1.0 mile upstream from Prairie Creek, 4.2 miles southwest of Branch, and at mile 21.5. Drainage area.--36.7 mi ² . Records analyzed.--1955-69. Remarks.--Regulated by 6 floodwater-detention reservoirs.
54	07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, ARK. Location.--Lat 35°20'56", long 94°17'54", in sec.28, T.8 N., R.31 W., Sebastian County, in Dam No. 13 control house on right bank and at mile 345.5. Prior to Dec. 21, 1969, at site 7.9 miles upstream. Drainage area.--150,547 mi ² (22,241 mi ² probably noncontributing). Records analyzed.--1928-70. Remarks.--Regulated by storage reservoirs and power development.	60	07255000 SIXMILE CREEK AT CAULKSVILLE, ARK. Location.--Lat 35°18'05", long 93°51'15", on line between secs.3 and 10, T.7 N., R.27 W., Logan County, on left bank at upstream side of bridge on State Highway 22, 0.6 mile east of Caulksville, 0.8 mile downstream from Shaver Creek, and at mile 11.0. Drainage area.--104 mi ² . Records analyzed.--1955-69. Remarks.--Regulated by 13 floodwater-detention reservoirs.
55	07251000 FROG BAYOU NEAR MOUNTAINBURG, ARK. Location.--Lat 35°39'40", long 94°09'10", in NW¼ NE¼ sec.2, T.11 N., R.30 W., on left bank above concrete weir in spillway of Fort Smith Dam 0.8 mile upstream from Warloop Creek, 1.3 miles upstream from Howard Fork, 2.5 miles northeast of Mountainburg, and 3 miles downstream from Jones Fork. Drainage area.--74.2 mi ² . Records analyzed.--1937-61. Remarks.--Regulated by Lake Fort Smith and since 1956 by Lake Shepherd Springs, and by diversion for municipal supply at Fort Smith.	61	07255500 HURRICANE CREEK NEAR BRANCH, ARK. Location.--Lat 35°21'03", long 93°56'02", on line between and near south edge of secs.23 and 24, T.8 N., R.28 W., Franklin County, at center of span on downstream side of bridge on State Highway 41, 1.5 miles upstream from Perry Creek, 3.2 miles northeast of Branch, and at mile 9.0. Drainage area.--17.2 mi ² . Records analyzed.--1955-69. Remarks.--Regulated by 4 floodwater-detention reservoirs.
56	07251500 FROG BAYOU AT RUDY, ARK. Location.--Lat 35°31'32", long 94°16'18", in SW¼ sec.23, T.10 N., R.31 W., Crawford County, on left bank at downstream side of bridge on State Highway 282 at Rudy, 0.5 mile downstream from Cedar Creek. Drainage area.--216 mi ² . Records analyzed.--1951-70. Remarks.--See station 07251000.	62	07256000 HURRICANE CREEK NEAR CAULKSVILLE, ARK. Location.--Lat 35°20'49", long 93°51'44", on line between and near south edge of secs.21 and 22, T.8 N., R.27 W., Franklin County, at bridge on State Highway 23, 1.0 mile upstream from Garner Creek, 3.2 miles north of Caulksville, and at mile 4.0. Drainage area.--53.0 mi ² . Records analyzed.--1955-69. Remarks.--Regulated by 7 floodwater-detention reservoirs.
57	07252000 MULBERRY RIVER NEAR MULBERRY, ARK. Location.--Lat 35°34'37", long 94°00'55", in SE¼ SW¼ sec.31, T.11 N., R.28 W., Franklin County, on left bank 0.6 mile upstream from Mill Creek, 5.7 miles north of Mulberry, and at mile 11.3. Drainage area.--373 mi ² . Records analyzed.--1939-70. Remarks.--Natural-flow data.	63	07256500 SPADRA CREEK AT CLARKSVILLE, ARK. Location.--Lat 35°28'06", long 93°27'46", in NE¼ sec.5, T.9 N., R.23 W., Johnson County, on right bank at Clarksville, 0.2 mile downstream from bridge on U.S. Highway 64, and at mile 6.2. Drainage area.--61.1 mi ² . Records analyzed.--1953-70. Remarks.--Regulated by diversion for municipal supply at Clarksville.

STATION DESCRIPTIONS
Continuous-Record Gaging Stations

Map no.	Description	Map no.	Description
<i>Arkansas River basin--Continued</i>		<i>Arkansas River basin--Continued</i>	
64	07257000 BIG PINEY CREEK NEAR DOVER, ARK. Location.--Lat 35°32'58", long 93°09'30", in SW¼ NE¼ sec.6, T.10 N., R.20 W., Pope County, on left bank 7.2 miles downstream from Indian Creek, 10.4 miles north of Dover, and at mile 28.0. Drainage area.--274 mi ² . Records analyzed.--1951-70. Remarks.--Natural-flow data.	70	07260500 PETIT JEAN RIVER AT DANVILLE, ARK. Location.--Lat 35°03'33", long 93°23'44", in NW¼ SE¼ sec.25, T.5 N., R.23 W., Yell County, on left bank at downstream side of bridge on State Highway 10 at Danville, 0.3 mile upstream from Chicago, Rock Island, and Pacific Railroad Co. bridge, 0.5 mile upstream from Spring Creek, and 0.5 mile downstream from Dutch Creek, and at mile 48.8. Drainage area.--764 mi ² . Records analyzed.--1917-46, 1948-69. Remarks.--1917-46: Regulated after May 1946 by construction at Blue Mountain Dam. 1948-69: Regulated by Blue Mountain Lake and by diversion for municipal supply at Danville.
65	07257500 ILLINOIS BAYOU NEAR SCOTTSVILLE, ARK. Location.--Lat 35°27'58", long 93°02'28", in SE¼ SW¼ sec.32, T.10 N., R.19 W., Pope County, near center of span on downstream side of bridge on county road, 1.3 miles north of Scottsville, and 3.2 miles downstream from North Fork Illinois Bayou. Drainage area.--241 mi ² . Records analyzed.--1948-70. Remarks.--Natural-flow data.	71	07261000 CADRON CREEK NEAR GUY, ARK. Location.--Lat 35°17'56", long 92°24'10", in NW¼ SE¼ sec.29, T.8 N., R.13 W., Faulkner County, on left bank on downstream side of bridge on U.S. Highway 65, 4.3 miles southwest of Guy, and 10.5 miles upstream from Cove Creek, and at mile 48.3. Drainage area.--169 mi ² . Records analyzed.--1955-70. Remarks.--Natural-flow data.
66	07258000 ARKANSAS RIVER AT DARDANELLE, ARK. Location.--Lat 35°13'34", long 93°08'58", in SW¼ sec.29, T.7 N., R.20 W., Pope County, near left bank on downstream side of bridge on State Highway 7 at Dardanelle, 1 mile upstream from Whig Creek, 2.0 miles downstream from Dardanelle Dam, 4.7 miles downstream from Illinois Bayou, and at mile 255.8. Drainage area.--153,670 mi ² (22,241 mi ² probably noncontributing). Records analyzed.--1938-70. Remarks.--Regulated by storage reservoirs and power development prior to 1964, and by Lake Dardanelle since that time.	72	07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, ARK. Location.--Lat 34°52'21", long 93°39'24", in NW¼ NW¼ sec.34, T.3 N., R.25 W., Yell County, near left bank on downstream side of bridge on State Highway 28, 1.2 miles downstream from Garner Creek, 1.9 miles east of Gravelly, 6.4 miles upstream from Gaffords Creek, and at mile 103.7. Drainage area.--410 mi ² . Records analyzed.--1940-70. Remarks.--Natural-flow data.
67	07258500 PETIT JEAN RIVER NEAR BOONEVILLE, ARK. Location.--Lat 35°96'25", long 93°55'25", in NW¼ NW¼ sec.18, T.5 N., R.27 W., Logan County, on right bank at downstream side of bridge on State Highway 23, 0.5 mile downstream from Fletcher Creek, 2.3 miles south of Booneville, and at mile 102.3. Drainage area.--241 mi ² . Records analyzed.--1940-70. Remarks.--Natural-flow data.	73	07262500 FOURCHE LAFAVE RIVER NEAR NIMROD, ARK. Location.--Lat 34°57'02", long 93°09'16", in NW¼ SW¼ sec.32, T.4 N., R.20 W., Perry County, on left bank 2,000 ft downstream from Nimrod Dam, 4.5 miles southwest of Nimrod, and 9.8 miles upstream from South Fourche LaFave River, and at mile 62.2. Drainage area.--684 mi ² . Records analyzed.--1943-70. Remarks.--Regulated by Nimrod Lake.
68	07259500 PETIT JEAN RIVER NEAR WAVELAND, ARK. Location.--Lat 35°06'17", long 93°37'53", in SE¼ SW¼ sec.11, T.5 N., R.25 W., Yell County, on left bank 0.8 mile downstream from Rock Creek, 1.2 miles downstream from Cedar Creek, 1.3 miles south of Waveland, 1.4 miles downstream from Blue Mountain Dam, and at mile 73.0. Drainage area.--516 mi ² . Records analyzed.--1947-70. Remarks.--Regulated by Blue Mountain Lake.	74	07263000 SOUTH FOURCHE LAFAVE RIVER NEAR HOLLIS, ARK. Location.--Lat 34°54'41", long 93°03'21", in SE¼ NE¼ sec.18, T.3 N., R.19 W., Perry County, on left bank 0.8 mile upstream from Big Cove Creek, 2.1 miles downstream from Cedar Creek, 4 miles northeast of Hollis, and at mile 5.6. Drainage area.--210 mi ² . Records analyzed.--1942-70. Remarks.--Natural-flow data.
69	07260000 DUTCH CREEK AT WALTRECK, ARK. Location.--Lat 34°59'15", long 93°36'45", in SE¼ NW¼ sec.24, T.4 N., R.25 W., Yell County, on left bank 0.2 mile north of Waltreck, and at mile 21.0. Drainage area.--81.4 mi ² . Records analyzed.--1946-70. Remarks.--Natural-flow data.		

STATION DESCRIPTIONS
Continuous-Record Gaging Stations

Map no.	Description	Map no.	Description
<i>Arkansas River basin--Continued</i>		<i>Red River basin--Continued</i>	
75	07263450 ARKANSAS RIVER AT MURRAY DAM, AT LITTLE ROCK, ARK. Location.--Lat 34°47'27", long 92°21'32", in sec.23, T.2 N., R.13 W., Pulaski County, in Murray Dam control house on right bank and at mile 171.7. Prior to May 10, 1970, at site 6.2 miles downstream. Drainage area.--158,030 mi ² . Prior to 1970, 158,090 mi ² (22,241 mi ² probably non-contributing). Records analyzed.--1928-70. Remarks.--Regulated by storage reservoirs and power development.	80	07339500 ROLLING FORK NEAR DEQUEEN, ARK. Location.--Lat 34°02'51", long 94°24'47", in SW ¹ / ₄ sec.21, T.8 S., R.32 W., Sevier County, near center of span on downstream side of bridge on U.S. Highway 70, 4 miles west of DeQueen, 6 miles upstream from Rock Creek, and at mile 17.0. Drainage area.--181 mi ² . Records analyzed.--1949-70. Remarks.--Natural-flow data.
76	07264000 BAYOU METO NEAR LONOKE, ARK. Location.--Lat 34°44'10", long 91°54'58", in SW ¹ / ₄ sec.6, T.1 N., R.8 W., Lonoke County, near left bank on downstream side of bridge on State Highway 31, 3 miles upstream from Brushy Slough, 3.5 miles south of Lonoke, and at mile 106.4. Drainage area.--207 mi ² . Records analyzed.--1955-70. Remarks.--Regulated by irrigation practices and minnow farm operations.	81	07340000 LITTLE RIVER NEAR HORATIO, ARK. Location.--Lat 33°55'10", long 94°23'15", in NE ¹ / ₄ sec.10, T.10 S., R.32 W., Sevier County, near left bank on downstream side of bridge on State Highway 41, 0.9 mile downstream from Rolling Fork, 2 miles southwest of Horatio, 28.5 miles upstream from Cossatot River, and at mile 72.0. Drainage area.--2,674 mi ² . Records analyzed.--1932-68. Remarks.--Natural-flow data.
77	07264500 BAYOU METO NEAR STUTTGART, ARK. Location.--Lat 34°27'15", long 91°37'00", in SE ¹ / ₄ sec.11, T.3 S., R.6 W., on downstream side of bridge on U.S. Highway 79, 5.5 miles southwest of Stuttgart, and 8 miles upstream from Crooked Creek. Drainage area.--574 mi ² . Records analyzed.--1936-54. Remarks.--Regulated by irrigation practices. When flow is more than 600 ft ³ /s, Bayou Meto and Crooked Creek are interconnected. (See station 07265000.)	82	07340500 COSSATOT RIVER NEAR DEQUEEN, ARK. Location.--Lat 34°02'45", long 94°12'42", in NE ¹ / ₄ sec.29, T.8 S., R.30 W., Sevier County, near right bank on downstream side of bridge on U.S. Highway 71, just downstream from Hale Creek, 7 miles east of DeQueen, and at mile 33.5. Drainage area.--361 mi ² . Records analyzed.--1939-70. Remarks.--Regulated by diversion for municipal supply at DeQueen.
78	07265000 CROOKED CREEK NEAR HUMPHREY, ARK. Location.--Lat 34°25'35", long 91°40'00", in SE ¹ / ₄ sec.20, T.3 S., R.6 W., near center of span on downstream side of pier of bridge on U.S. Highway 79, 100 ft upstream from St. Louis-Southwestern Railway bridge, 2 miles east of Humphrey, and 5.8 miles upstream from mouth. Drainage area.--79.2 mi ² . Records analyzed.--1941-54. Remarks.--Regulated by irrigation practices. (See station 07244500.)	83	07341000 SALINE RIVER NEAR DIERKS, ARK. Location.--Lat 34°05'45", long 94°05'04", in NW ¹ / ₄ sec.3, T.8 S., R.29 W., Howard County, near left bank on downstream side of bridge on U.S. Highway 70, 3.5 miles upstream from Holly Creek, 4 miles southwest of Dierks, and at mile 50.7. Drainage area.--124 mi ² . Records analyzed.--1939-70. Remarks.--Natural-flow data.
	<i>Red River basin</i>	84	07341500 RED RIVER AT FULTON, ARK. Location.--Lat 33°36'26", long 93°48'56", in NE ¹ / ₄ SE ¹ / ₄ sec.20, T.13 S., R.26 W., Hempstead-Miller County line, near left bank on downstream side of bridge on U.S. Highway 67 at Fulton, 0.2 mile downstream from Missouri Pacific Railroad Co. bridge, 2.5 miles downstream from Little River, and at mile 463.0. Drainage area.--52,380 mi ² (5,936 mi ² probably noncontributing). Records analyzed.--1928-43, 1945-70. Remarks.--1928-43: Natural flow data. 1945-70: Regulated by Lake Texoma (Tex.) since 1943 and by Millwood Lake since 1966.
79	07337000 RED RIVER AT INDEX, ARK. Location.--Lat 33°33'07", long 94°02'28", in NW ¹ / ₄ SW ¹ / ₄ sec.7, T.14 S., R.28 W., Miller County, near right bank on downstream side of bridge on U.S. Highway 71 at Index, 2.2 miles south of Ogden, 20.6 miles upstream from Little River, and at mile 485.3. Drainage area.--48,030 mi ² (5,936 mi ² probably noncontributing). Records analyzed.--1937-43, 1945-70. Remarks.--1937-43: Natural-flow data. 1945-70: Regulated by Lake Texoma (Tex.).	85	07349430 BODCAU CREEK AT STAMPS, ARK. Location.--Lat 33°22'00", long 93°31'20", in NW ¹ / ₄ sec.7, T.16 S., R.23 W., Lafayette County, near center of span on downstream side of bridge on U.S. Highway 82, 0.1 mile upstream from Tatum Branch, and 1 mile west of Stamps. Drainage area.--234 mi ² . Records analyzed.--1961-70. Remarks.--Natural-flow data.

STATION DESCRIPTIONS
Continuous-Record Gaging Stations

Map no.	Description	Map no.	Description
<i>Red River basin--Continued</i>		<i>Red River basin--Continued</i>	
86	07356000 OUACHITA RIVER NEAR MOUNT IDA, ARK. Location.--Lat 34°36'36", long 93°41'50", in SE¼ SW¼ sec.32, T.1 S., R.25 W., Montgomery County, on right bank 350 ft upstream from bridge on U.S. Highway 270, 3.1 miles upstream from Fiddler's Creek, 5.2 miles northwest of Mount Ida, and at mile 553.4. Drainage area.--410 mi ² . Records analyzed.--1942-70. Remarks.--Natural-flow data.	92	07360000 OUACHITA RIVER AT ARKADELPHIA, ARK. Location.--Lat 34°07'16", long 93°02'46", in sec.17, T.7 S., R.19 W., Clark County, on downstream side of bridge on State Highway 7 at Arkadelphia, 5.4 miles downstream from Caddo River, and at mile 420.6. Drainage area.--2,311 mi ² . Records analyzed.--1906, 1930-52, 1954-70. Remarks.--1906, 1930-52: Regulated by Lake Catherine after 1925 and by Lake Hamilton after 1932. 1954-70: Regulated by Lake Ouachita, Lake Hamilton, Lake Catherine, and DeGray Lake since 1969.
87	07356500 SOUTH FORK OUACHITA RIVER AT MOUNT IDA, ARK. Location.--Lat 34°33'36", long 93°38'16", in NE¼ NE¼ sec.23, T.2 S., R.25 W., Montgomery County, near right bank on downstream side of bridge on U.S. Highway 270 at Mount Ida, 3.4 miles upstream from Williams Creek, and at mile 22.5. Drainage area.--64 mi ² . Records analyzed.--1950-70. Remarks.--Natural-flow data.	93	07360501 LITTLE MISSOURI RIVER AT NARROWS DAM, NEAR MURFREESBORO, ARK. Location.--Lat 34°08'51", long 93°43'04", in NW¼ sec.18, T.7 S., R.25 W., Pike County, in powerhouse at Narrows dam, 6.5 miles northwest of Murfreesboro, 9.5 miles upstream from Muddy Fork Creek, and at mile 105.5. Drainage area.--237 mi ² . Records analyzed.--1951-70. Remarks.--Regulated by Lake Greeson.
88	07357000 OUACHITA RIVER NEAR MOUNTAIN PINE, ARK. Location.--Lat 34°36', long 93°12', in NW¼ NW¼ sec.1, T.2 S., R.21 W., 0.8 mile downstream from Mill Creek, 2 miles downstream from Blakely Creek, and 4 miles northwest of Mountain Pine. Drainage area.--1,100 mi ² . Records analyzed.--1937-50. Remarks.--Natural-flow data.	94	07360800 MUDDY FORK CREEK NEAR MURFREESBORO, ARK. Location.--Lat 34°05'00", long 93°45'05", in NE¼ sec.3, T.8 S., R.26 W., 1.8 miles upstream from mouth and 3 miles northwest of Murfreesboro. Drainage area.--121 mi ² . Records analyzed.--1941-42, 1947-59. Remarks.--Natural-flow data.
89	07357501 OUACHITA RIVER AT BLAKELY MOUNTAIN DAM, NEAR HOT SPRINGS, ARK. Location.--Lat 34°34'17", long 93°11'23", in NE¼ sec.12, T.2 S., R.21 W., Garland County, in outlet of power tunnel at Blakely Mountain Dam, 2.3 miles upstream from Glazypeau Creek, 10 miles northwest of Hot Springs, and at mile 486.9. Drainage area.--1,105 mi ² . Records analyzed.--1954-70. Remarks.--Regulated by Lake Ouachita.	95	07361000 LITTLE MISSOURI RIVER NEAR MURFREESBORO, ARK. Location.--Lat 34°02'55", long 93°43'12", in NE¼ NE¼ sec.24, T.8 S., R.26 W., Pike County, near right bank on downstream side of bridge on State Highway 27, 1.8 miles downstream from Muddy Fork Creek, 2.0 miles southwest of Murfreesboro, 4.6 miles upstream from Prairie Creek, 11.4 miles downstream from Lake Greeson, and at mile 94.1. Drainage area.--380 mi ² . Records analyzed.--1929-31, 1938-49, 1951-70. Remarks.--1929-31, 1938-49: Natural-flow data. 1951-70: Regulated by Lake Greeson.
90	07359500 OUACHITA RIVER NEAR MALVERN, ARK. Location.--Lat 34°23'10", long 92°50'20", in NW¼ sec.16, T.4 S., R.17 W., Hot Spring county, near right bank on downstream side of bridge on State Highway 84, 2 miles northwest of Malvern, 5.8 miles downstream from Rimmel Dam, and at mile 450.1. Drainage area.--1,562 mi ² . Records analyzed.--1929-52, 1954-70. Remarks.--1929-52: Regulated by Lake Catherine, and since 1932 by Lake Hamilton. 1954-70: Regulated by Lake Ouachita, Lake Hamilton, and Lake Catherine.	96	07361200 OZAN CREEK NEAR MCCASKILL, ARK. Location.--Lat 33°52'55", long 93°35'59", in SE¼ NE¼ sec.18, T.10 S., R.24 W., Hempstead County, on downstream side of bridge on State Highway 24, 1.7 miles upstream from Haley Branch, 3.5 miles southeast of McCaskill, and at mile 14.5. Drainage area.--148 mi ² . Records analyzed.--1962-70. Remarks.--Natural-flow data.
91	07359800 CADDO RIVER NEAR ALPINE, ARK. Location.--Lat 34°16'00", long 93°21'45", in SW¼ SE¼ sec.28, T.5 S., R.22 W., Clark County, at Runyan Bridge on gravel road between Alpine and Bismarck, 7.1 miles downstream from Fork Creek, 11.4 miles downstream from Caney Creek, and at mile 33.8. Drainage area.--312 mi ² . Records analyzed.--1939-70. Remarks.--Natural-flow data.	97	07361500 ANTOINE RIVER AT ANTOINE, ARK. Location.--Lat 34°02'20", long 93°25'05", in NW¼ NW¼ sec.24, T.8 S., R.23 W., Pike County, near right bank on downstream side of bridge on State Highway 26 at Antoine, 1.6 miles downstream from Brushy Creek, 1.9 miles downstream from Suck Creek, and at mile 8.5. Drainage area.--181 mi ² . Records analyzed.--1955-70. Remarks.--Natural-flow data.

STATION DESCRIPTIONS
Continuous-Record Gaging Stations

Map no.	Description	Map no.	Description
<i>Red River basin--Continued</i>		<i>Red River basin--Continued</i>	
98	07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, ARK. Location.--Lat 33°52'32", long 93°18'16", in NE¼ sec.13, T.10 S., R.22 W., Nevada County, on downstream side of bridge on U.S. Highway 67, 1.5 miles northeast of Boughton, 5.9 miles downstream from Howard Creek, 10.2 miles downstream from Antoine River, and at mile 46.8. Drainage area.--1,068 mi ² . Records analyzed.--1938-42, 1946-49, 1951-70. Remarks.--1938-42, 1946-49: Natural-flow data. 1951-70: Regulated by Lake Greeson.	103	07363300 HURRICANE CREEK NEAR SHERIDAN, ARK. Location.--Lat 34°19'10", long 92°20'40", in NW¼ NE¼ sec.6, T.4 S., R.12 W., Grant County, on downstream side of bridge on U.S. Highway 270, 2.8 miles downstream from Simpson Creek, 3.5 miles east of Sheridan, and at mile 16.9. Drainage area.--204 mi ² . Records analyzed.--1962-70. Remarks.--Regulated by Hurricane Lake and industrial effluent.
99	07362000 OUACHITA RIVER AT CAMDEN, ARK. Location.--Lat 33°35'47", long 92°49'05", in SE¼ sec.14, T.13 S., R.17 W., Ouachita County, at bridge on U.S. Highway 79 at Camden, 3.4 miles downstream from Ecore Fabre Bayou, 6.2 miles upstream from Two Bayou Creek, and at mile 354.1. Drainage area.--5,391 mi ² . Records analyzed.--1929-52, 1954-70. Remarks.--1929-52: Regulated by Lake Catherine and Lake Hamilton after 1932, and by Lake Greeson after 1949. 1954-70: Regulated by Lake Ouachita, Lake Hamilton, Lake Catherine, Lake Greeson, and DeGray Lake since 1969.	104	07363500 SALINE RIVER NEAR RYE, ARK. Location.--Lat 33°42'00", long 92°01'33", in SW¼ NW¼ sec.3, T.12 S., R.9 W., Bradley County, near left bank on downstream side of bridge on State Highway 15, 3.6 miles southwest of Rye, 5.8 miles upstream from Hudgin Creek, and at mile 71.0. Drainage area.--2,062 mi ² . Records analyzed.--1938-70. Remarks.--See stations 07363000 and 07363300.
100	07362100 SMACKOVER CREEK NEAR SMACKOVER, ARK. Location.--Lat 33°22'33", long 92°46'37", in NW¼ SE¼ sec.32, T.15 S., R.16 W., Union County, near right bank on downstream side of bridge on State Highway 7, 0.1 mile downstream from Camp Creek, 3.3 miles northwest of Smackover, and at mile 23.0. Drainage area.--377 mi ² . Records analyzed.--1962-70. Remarks.--Regulated by drainage from oil fields.	105	07364150 BAYOU BARTHOLOMEW NEAR MCGEEHEE, ARK. Location.--Lat 33°37'40", long 91°26'45", in NW¼ SW¼ sec.30, T.12 S., R.3 W., Desha County, near center of stream on downstream side of bridge on State Highway 4, 2.7 miles west of McGehee, 17.5 miles downstream from Ables Creek, and at mile 200.5. Drainage area.--592 mi ² . Records analyzed.--1939-70. Remarks.--Regulated by irrigation practices.
101	07362500 MORO CREEK NEAR FORDYCE, ARK. Location.--Lat 33°47'32", long 92°19'30", in NW¼ NW¼ sec.3, T.11 S., R.12 W., Calhoun-Cleveland County line, near center of stream on downstream side of bridge on State Highway 8, 1,100 ft upstream from Caney Creek, 4 miles southeast of Fordyce, 12 miles upstream from White Water Creek, and at mile 38.2. Drainage area.--216 mi ² . Records analyzed.--1952-70. Remarks.--Natural-flow data.	106	07365800 CORNIE BAYOU NEAR THREE CREEKS, ARK. Location.--Lat 33°02'21", long 92°56'15", in SW¼ NW¼ sec.36, T.19 S., R.18 W., Union County, on left bank at downstream side of bridge on State Highway 15, 3.4 miles downstream from Pidgeon Roost Creek, and 6 miles southwest of town of Three Creeks. Drainage area.--180 mi ² . Records analyzed.--1957-70. Remarks.--Natural-flow data.
102	07363000 SALINE RIVER AT BENTON, ARK. Location.--Lat 34°34'05", long 92°36'40", in SE¼ NE¼ sec.9, T.2 S., R.15 W., Saline County, on left bank 0.8 mile west of Benton, 3 miles downstream from confluence of North Fork and Alum Fork, and at mile 198.1. Drainage area.--569 mi ² . Records analyzed.--1951-70. Remarks.--Regulated by Lake Winona (Little Rock water supply), Lake Norrell, and by diversion for municipal supply at Benton.	107	07365900 THREE CREEKS NEAR THREE CREEKS, ARK. Location.--Lat 33°04'01", long 92°53'02", in NE¼ NW¼ sec.20, T.19 S., R.17 W., Union County, near right bank on downstream side of bridge on State Highway 15, 2.2 miles southwest of town of Three Creeks, and 1.8 miles upstream from Ash Branch. Drainage area.--50.3 mi ² . Records analyzed.--1957-70. Remarks.--Natural-flow data.

STATION DESCRIPTIONS

Partial-Record Stations

Map no.	Description	Map no.	Description
<i>St. Francis River basin</i>		<i>St. Francis River basin--Continued</i>	
1	07040300 BIG SLOUGH DITCH NEAR MARMADUKE, ARK. Location.--SW $\frac{1}{4}$ sec.9, T.17 N., R.7 E., 5.5 miles southeast of Marmaduke. Drainage area.--247 mi ² . Records analyzed.--16 discharge measurements made during 1958-63. Remarks.--Low flow may be affected by irrigation practices.	8	07047920 FIFTEEN MILE BAYOU NEAR WEST MEMPHIS, ARK. Location.--SW $\frac{1}{4}$ sec.10, T.6 N., R.8 E., at bridge on U.S. Highway 70, 3.5 miles west of West Memphis. Drainage area.--66.1 mi ² . Records analyzed.--13 discharge measurements and 1 observation of no flow made during 1958-63. Remarks.--Low flow affected by irrigation practices.
2	07040400 LOCUST CREEK DITCH NEAR PARAGOULD, ARK. Location.--NE $\frac{1}{4}$ sec.1, T.16 N., R.6 E., at bridge on State Highway 25, 6.0 miles east of Paragould. Drainage area.--78.3 mi ² . Records analyzed.--16 discharge measurements made during 1958-63. Remarks.--Low flow may be affected by irrigation practices.	9	07047940 L'ANGUILLE RIVER NEAR WYNNE, ARK. Location.--Sec. 28, T.7 N., R.2 E., at highway bridge, 2.6 miles downstream from Brushy Creek and 6.0 miles southwest of Wynne. Drainage area.--442 mi ² . Records analyzed.--10 discharge measurements made during 1957-63. Remarks.--Low flow may be affected by irrigation practices.
3	07046532 CROOKED LAKE BAYOU AT NUMBER NINE, ARK. Location.--In W $\frac{1}{2}$ and on line between secs. 5, 22, and 27, T.16 N., R.12 E., at bridge on State Highway 150 and 0.2 mile east of Number Nine. Drainage area.--34.5 mi ² . Records analyzed.--7 discharge measurements made during 1964-67. Remarks.--Low flow may be affected by irrigation practices.	<i>White River basin</i>	
4	07047550 TYRONZA RIVER DITCH 31 AT VICTORIA, ARK. Location.--W $\frac{1}{2}$ and on line between secs.7 and 18, T.13 N., R.10 E., at bridge on State Highway 158, 0.2 mile east of junction with State Highway 181, and 0.5 mile west of Victoria. Drainage area.--63.5 mi ² . Records analyzed.--6 discharge measurements made during 1964-67. Remarks.--Low flow may be affected by irrigation practices.	10	07047976 WHITE RIVER AT COMBS, ARK. Location.--NW $\frac{1}{4}$ sec.2, T.13 N., R.27 W., at low-water crossing on county road at Combs, 0.2 mile downstream from Greasy Creek, 0.3 mile northeast of State Highway 16, and 1.6 miles upstream from Hickory Creek. Drainage area.--90.3 mi ² . Records analyzed.--9 discharge measurements and 1 observation of no flow made during 1964-67. Remarks.--Natural-flow data.
5	07047700 TYRONZA RIVER NEAR TWIST, ARK. Location.--Near center and on line between secs. 28 and 29, T.9 N., R.6 E., at bridge on State Highway 42, 0.3 mile downstream from Macks Bayou, 2.0 miles east of Twist, and 7.0 Miles north of Earle. Drainage area.--533 mi ² . Records analyzed.--7 discharge measurements made during 1964-67. Remarks.--Low flow may be affected by irrigation practices.	11	07047980 WHITE RIVER AT ELKINS, ARK. Location.--SE $\frac{1}{4}$ sec.1, T.15 N., R.29 W., at highway bridge at Elkins. Drainage area.--184 mi ² . Records analyzed.--18 discharge measurements made during 1957-63. Remarks.--Low flow may be affected by diversion.
6	07047850 LITTLE BAY DITCH NEAR JONESBORO, ARK. Location.--SE $\frac{1}{4}$ sec.19, T.14 N., R.5 E., at bridge on State Highway 18, 6.5 miles east of Jonesboro. Drainage area.--27.1 mi ² . Records analyzed.--7 discharge measurements and 7 observations of no flow made during 1958-63. Remarks.--Low flow affected by irrigation practices.	12	07047985 MIDDLE FORK WHITE RIVER NEAR FAYETTEVILLE, ARK. Location.--SE $\frac{1}{4}$ sec.33, T.16 N., R.29 W., at ford on farm road, 1.4 miles upstream from Lake Sequoyah, 2.0 miles south of State Highway 16, and 5.9 miles southeast of Fayetteville. Drainage area.--73.4 mi ² . Records analyzed.--10 discharge measurements and 1 observation of no flow made during 1963-67. Remarks.--Low flow may be affected by diversion.
7	07047910 BLACKFISH BAYOU NEAR FORREST CITY, ARK. Location.--E $\frac{1}{2}$ and on line between secs.24 and 25, T.5 N., R.5 E., at bridge on State Highway 50, 2.0 miles upstream from Rabbit Bayou, 10 miles east of Widener, and 15.5 miles east of Forrest City. Drainage area.--227 mi ² . Records analyzed.--6 discharge measurements made during 1964-67. Remarks.--Low flow affected by irrigation practices.	13	07048600 WHITE RIVER NEAR FAYETTEVILLE, ARK. Location.--Lat 36°04'23", long 94°04'51", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.8, T.16 N., R.29 W., Washington County on left bank at downstream side of bridge on county road, 0.8 mile downstream from West Fork White River, 0.8 mile downstream from Lake Sequoyah Dam on White River, 4.3 miles east of Fayetteville, and at mile 684.0. Drainage area.--400 mi ² . Records analyzed.--1963-70. Remarks.--Regular gaging station analyzed as partial-record station. Low flow affected by diversion.
		14	07048700 WHITE RIVER NEAR GOSHEN, ARK. Location.--NW $\frac{1}{4}$ sec.31, T.17 N., R.28 W., at bridge on State Highway 45, 0.2 mile upstream from Richland Creek and 1.2 miles west of Goshen. Drainage area.--412 mi ² . Records analyzed.--21 discharge measurements made during 1954-63. Remarks.--Low flow affected by diversion.

STATION DESCRIPTIONS
Partial-Record Stations

Map no.	Description	Map no.	Description
<i>White River basin--Continued</i>		<i>White River basin--Continued</i>	
15	07048800 RICHLAND CREEK AT GOSHEN, ARK. Location.--NE $\frac{1}{4}$ sec.31, T.17 N., R.28 W., at bridge on State Highway 45, 0.5 mile upstream from mouth and 1.0 mile west of Goshen. Drainage area.--138 mi ² . Records analyzed.--21 discharge measurements made during 1954-63. Remarks.--Natural-flow data.	22	07050300 OSAGE CREEK NEAR BERRYVILLE, ARK. Location.--NW $\frac{1}{4}$ sec.5, T.19 N., R.24 W., at bridge on State Highway 21, 1.5 miles south of Berryville. Drainage area.--139 mi ² . Records analyzed.--22 discharge measurements and 1 observation of no flow made during 1952-63. Remarks.--Natural-flow data.
16	07048960 WAR EAGLE CREEK NEAR HUNTSVILLE, ARK. Location.--SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.23, T.16 N., R.26 W., at bridge on State Highway 23 and 4.0 miles south of Huntsville. Drainage area.--105 mi ² . Records analyzed.--9 discharge measurements and 2 observations of no flow made during 1963-67. Remarks.--Natural-flow data.	23	07053200 LONG CREEK AT ALPENA, ARK. Location.--NW $\frac{1}{4}$ sec.23, T.19 N., R.22 W., at bridge on U.S. Highway 62, 1.0 mile east of Alpena. Drainage area.--67.2 mi ² . Records analyzed.--20 discharge measurements made during 1957-63. Remarks.--Natural-flow data.
17	07049600 PRAIRIE CREEK NEAR ROGERS, ARK. Location.--NE $\frac{1}{4}$ sec.2, T.19 N., R.29 W., at bridge on State Highway 12, 4.5 miles northeast of Rogers. Drainage area.--19.5 mi ² . Records analyzed.--19 discharge measurements made during 1957-63. Remarks.--Natural-flow data.	24	07053250 YOCUM CREEK NEAR OAK GROVE, ARK. Location.--NE $\frac{1}{4}$ sec.30, T.21 N., R.22 W., at low-water crossing on county road, 0.4 mile upstream from Spring Creek, 4.5 miles east of Oak Grove, and 5.0 miles upstream from Table Rock Reservoir. Drainage area.--52.8 mi ² . Records analyzed.--10 discharge measurements made during 1964-67. Remarks.--Natural-flow data.
18	07049700 BLUE SPRING NEAR EUREKA SPRINGS, ARK. Location.--NW $\frac{1}{4}$ sec.25, T.21 N., R.27 W., at Blue Spring Farm, 6.0 miles northwest of Eureka Springs. Drainage area.--Indeterminate. Records analyzed.--20 discharge measurements made during 1951, 1954, 1957-63. Remarks.--Natural-flow data.	25	07054410 BEAR CREEK NEAR OMAHA, ARK. Location.--NW $\frac{1}{4}$ sec.26, T.21 N., R.20 W., at bridge on State Highway 14, 0.5 mile upstream from Charley Creek, 3.3 miles downstream from Walnut Creek, and 7.5 miles east of Omaha. Drainage area.--133 mi ² . Records analyzed.--10 discharge measurements made during 1964-67. Remarks.--Natural-flow data.
19	07050225 KINGS RIVER NEAR KINGSTON, ARK. Location.--SE $\frac{1}{4}$ sec.33, T.17 N., R.24 W., at bridge on State Highway 21, 0.9 mile upstream from Boatwright Creek and 3.5 miles northwest of Kingston. Drainage area.--98.0 mi ² . Records analyzed.--11 discharge measurements made during 1963-67. Remarks.--Natural-flow data.	26	07054420 WEST SUGARLOAF CREEK NEAR LEAD HILL, ARK. Location.--NW $\frac{1}{4}$ sec.6, T.20 N., R.18 W., at bridge on State Highway 14, 1.0 mile west of Lead Hill. Drainage area.--31.9 mi ² . Records analyzed.--5 discharge measurements and 4 observations of no flow made during 1964-67. Remarks.--Natural-flow data.
20	07050230 WARM FORK CREEK AT ROCKHOUSE, ARK. Location.--SW $\frac{1}{4}$ sec.29, T.19 N., R.25 W., at low-water crossing on county road, 0.1 mile upstream from Kings River, 0.4 mile southeast of Rockhouse, and 13.8 miles north-northeast of Huntsville. Drainage area.--19.1 mi ² . Records analyzed.--3 observations of no flow. Remarks.--Natural-flow data.	27	07055600 CROOKED CREEK AT PYATT, ARK. Location.--SE $\frac{1}{4}$ sec.36, T.19 N., R.18 W., at bridge on U.S. Highway 62 at Pyatt. Drainage area.--207 mi ² . Records analyzed.--26 discharge measurements made during 1953-66. Remarks.--Natural-flow data.
21	07050250 KINGS RIVER NEAR PLEASANT VALLEY, ARK. Location.--NE $\frac{1}{4}$ sec.20, T.20 N., R.25 W., at bridge on county road, 2.9 miles upstream from Osage Creek, 2.1 miles downstream from Keets Creek, and 3.1 miles west of Pleasant Valley. Drainage area.--346 mi ² . Records analyzed.--11 discharge measurements made during 1963-67. Remarks.--Natural-flow data.	28	07055680 BUFFALO RIVER AT PRUITT, ARK. Location.--NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.16 N., R.20 W., at bridge on State Highway 7 at Pruitt, 0.2 mile southeast of Cedarville, 0.6 mile upstream from Flat Rock Creek, and 3.5 miles upstream from Little Buffalo River. Drainage area.--190 mi ² . Records analyzed.--12 discharge measurements made during 1963-67. Remarks.--Natural-flow data.

STATION DESCRIPTIONS

Partial-Record Stations

Map no.	Description	Map no.	Description
	<i>White River basin--Continued</i>		<i>White River basin--Continued</i>
29	07055700 LITTLE BUFFALO RIVER AT JASPER, ARK. Location.--SE $\frac{1}{4}$ sec.27, T.16 N., R.21 W., at bridge on State Highway 7 at Jasper. Drainage area.--126 mi ² . Records analyzed.--20 discharge measurements made during 1957-63. Remarks.--Natural-flow data.	36	07060720 NORTH SYLAMORE CREEK NEAR ALLISON, ARK. Location.--NE $\frac{1}{4}$ sec.5, T.15 N., R.11 W., at low-water crossing on county road at Blanchard Springs recreation area, 0.8 mile downstream from Bad Branch, 1.5 miles north of State Highway 14, and 6.5 miles northwest of Allison. Drainage area.--68.0 mi ² . Records analyzed.--9 discharge measurements made during 1964-67. Remarks.--Natural-flow data.
30	07056510 BEAR CREEK NEAR MARSHALL, ARK. Location.--SW $\frac{1}{4}$ sec.17, T.15 N., R.16 W., at bridge on U.S. Highway 65 at Bakers Hollow and 6.5 miles northeast of Marshall. Drainage area.--77.9 mi ² . Records analyzed.--10 discharge measurements made during 1964-67. Remarks.--Natural-flow data.	37	07060900 POLK BAYOU AT BATESVILLE, ARK. Location.--NE $\frac{1}{4}$ sec.17, T.13 N., R.6 W., at bridge on State Highway 69 at Batesville, 1.5 miles upstream from mouth. Drainage area.--168 mi ² . Records analyzed.--15 discharge measurements made during 1957-64. Remarks.--Natural-flow data.
31	07057100 BIG CREEK NEAR BIG FLAT, ARK. Location.--NW $\frac{1}{4}$ sec.4, T.15 N., R.14 W., at bridge on State Highway 14, 4.7 miles southwest of Big Flat. Drainage area.--91.6 mi ² . Records analyzed.--30 discharge measurements made during 1957-67. Remarks.--Natural-flow data.	38	07068600 LITTLE BLACK RIVER AT SUCCESS, ARK. Location.--NW $\frac{1}{4}$ sec.23, T.21 N., R.3 E., at bridge on State Highway 211 at Success. Drainage area.--385 mi ² . Records analyzed.--8 discharge measurements made during 1964-67. Remarks.--Low flow may be affected by irrigation practices.
32	07060520 PINEY CREEK NEAR CALICO ROCK, ARK. Location.--NE $\frac{1}{4}$ sec.8, T.17 N., R.10 W., at bridge on State Highway 56, 1.5 miles downstream from Nasty Creek, 1.5 miles upstream from Spring Creek, and 4.0 miles northeast of Calico Rock. Drainage area.--78.3 mi ² . Records analyzed.--9 discharge measurements made during 1964-67. Remarks.--Natural-flow data.	39	07068880 MUD CREEK NEAR INGRAM, ARK. Location.--SW $\frac{1}{4}$ sec.33, T.21 N., R.1 E., at low-water crossing on county road, 0.6 mile upstream from Fourche Creek, 3.5 miles northeast of Ingram and State Highway 251, and 10 miles north of Pocahontas. Drainage area.--34.2 mi ² . Records analyzed.--10 discharge measurements made during 1964-67. Remarks.--Natural-flow data.
33	07060670 HUGHES CREEK NEAR MOUNTAIN VIEW, ARK. Location.--W $\frac{1}{2}$ sec.10, T.14 N., R.11 W., at bridge on State Highway 66, 1.7 miles west of Mountain View. Drainage area.--3.20 mi ² . Records analyzed.--Discharge measurements and observations of no flow made during 1961-70. Remarks.--Natural-flow data. Also operated as a crest-stage station.	40	07068890 FOURCHE RIVER ABOVE POCAHONTAS, ARK. Location.--Lat 36°20'21", long 90°56'33", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.35, T.20 N., R.1 E., Randolph County, on right bank at upstream side of bridge on State Highway 115, 5.6 miles north of Pocahontas, and at mile 11.2. Drainage area.--229 mi ² . Records analyzed.--1964-70. Remarks.--Regular gaging station analyzed as partial-record station. Natural-flow data.
34	07060700 SOUTH SYLAMORE CREEK AT ALLISON, ARK. Location.--Near center of sec.14, T.15 N., R.11 W., at bridge on State Highway 14 at Allison, 0.9 mile upstream from mouth. Drainage area.--143 mi ² . Records analyzed.--18 discharge measurements made during 1957-63. Remarks.--Natural-flow data.	41	07068900 FOURCHE RIVER NEAR POCAHONTAS, ARK. Location.--NW $\frac{1}{4}$ sec.24, T.19 N., R.1 E., 2.7 miles northeast of Pocahontas and 3.8 miles upstream from mouth. Drainage area.--304 mi ² . Records analyzed.--17 discharge measurements made during 1958-67. Remarks.--Natural-flow data.
35	07060710 NORTH SYLAMORE CREEK NEAR FIFTY SIX, ARK. Location.--Lat 35°59'30", long 92°12'50", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.16 N., R.12 W., Stone County, on right bank 30 ft upstream from bridge on Ozark National Forest Service Road, 200 ft downstream from Gunner Creek, 2.7 miles north of Fifty Six, and 7.0 miles upstream from South Sylamore Creek. Drainage area.--58.1 mi ² . Records analyzed.--1965-70. Remarks.--Hydrologic bench-mark station analyzed as partial-record station. Natural-flow data.	42	07069200 MAMMOTH SPRING AT MAMMOTH SPRING, ARK. Location.--SE $\frac{1}{4}$ sec.8, T.21 N., R.5 W., at Mammoth Spring. Drainage area.--Indeterminate. Records analyzed.--12 discharge measurements made during 1924-61. Remarks.--Low flow regulated by powerplant at Mammoth Spring.

STATION DESCRIPTIONS
Partial-Record Stations

Map no.	Description	Map no.	Description
<i>White River basin--Continued</i>		<i>White River basin--Continued</i>	
43	07069265 MYATT CREEK NEAR SALEM, ARK. Location.--SW $\frac{1}{4}$ sec.30, T.21 N., R.6 W., at bridge on State Highway 9, 10 miles north-east of Salem. Drainage area.--101 mi ² . Records analyzed.--10 discharge measurements made during 1964-67. Remarks.--Natural-flow data.	90	07074020 NORTH BIG CREEK NEAR EVENING SHADE, ARK. Location.--NW $\frac{1}{4}$ sec.10, T.17 N., R.5 W., at bridge on county road, 0.8 mile southeast of Center, 3.5 miles upstream from Strawberry River, 6.0 miles northeast of U.S. Highway 167, and 8.0 miles northeast of Evening Shade. Drainage area.--74.8 mi ² . Records analyzed.--10 discharge measurements made during 1964-67. Remarks.--Natural-flow data.
44	07069270 SOUTH FORK SPRING RIVER NEAR SALEM, ARK. Location.--Near center and on line between secs.10 and 11, T.20 N., R.8 W., at low-water crossing on county road, 0.9 mile downstream from Davenport Creek, 2.0 miles upstream from Moore Branch, and 2.7 miles north of Salem. Drainage area.--170 mi ² . Records analyzed.--10 discharge measurements made during 1964-67. Remarks.--Natural-flow data.	51	07074248 SOUTH BIG CREEK NEAR STRAWBERRY, ARK. Location.--N $\frac{1}{2}$ and on line between secs.19 and 20, T.16 N., R.3 W., at bridge on State Highway 117, 0.2 mile south of State Highway 115 junction, 0.8 mile upstream from Strawberry River, and 4.0 miles north of Strawberry. Drainage area.--69.4 mi ² . Records analyzed.--11 discharge measurements made during 1964-67. Remarks.--Natural-flow data.
45	07069300 SOUTH FORK SPRING RIVER NEAR HARDY, ARK. Location.--On line between secs.9 and 10, T.19 N., R.5 W., 0.8 mile upstream from mouth and 2.0 miles west of Hardy. Drainage area.--324 mi ² . Records analyzed.--18 discharge measurements made during 1958-63. Remarks.--Low flow affected by urban runoff.	52	07074250 REEDS CREEK NEAR STRAWBERRY, ARK. Location.--SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.16 N., R.3 W., at bridge on State Highway 117, 1.4 miles north-west of Strawberry. Drainage area.--34.9 mi ² . Records analyzed.--20 discharge measurements made during 1964-67. Remarks.--Natural-flow data. Also operated as a crest-stage station.
46	07069350 MARTINS CREEK NEAR WILLIFORD, ARK. Location.--NE $\frac{1}{4}$ sec.30, T.19 N., R.3 W., at bridge on U.S. Highway 63, 0.5 mile down-stream from Booth Creek, 1.2 miles upstream from Spring River, and 3.0 miles northeast of Williford. Drainage area.--66.9 mi ² . Records analyzed.--11 discharge measurements made during 1953-67. Remarks.--Natural-flow data.	53	07074260 COOPER CREEK NEAR SMITHVILLE, ARK. Location.--SW $\frac{1}{4}$ sec.4, T.16 N., R.3 W., at bridge on State Highway 115, 0.1 mile upstream from Machine Creek, 2.0 miles south of Smithville, and 2.3 miles north of Strawberry River. Drainage area.--31.9 mi ² . Records analyzed.--11 discharge measurements made during 1964-67. Remarks.--Natural-flow data.
47	07069400 JAMES CREEK NEAR RAVENDEN SPRINGS, ARK. Location.--SW $\frac{1}{4}$ sec.7, T.19 N., R.2 W., at bridge on State Highway 90, 1.0 mile south of Ravenden Springs. Drainage area.--79.3 mi ² . Records analyzed.--18 discharge measurements made during 1958-63. Remarks.--Natural-flow data.	54	07074400 CURIA CREEK NEAR DOWDY, ARK. Location.--NE $\frac{1}{4}$ sec.9, T.14 N., R.3 W., at bridge on State Highway 25, and 1.3 miles north of Dowdy. Drainage area.--55.6 mi ² . Records analyzed.--14 discharge measurements made during 1963-67. Remarks.--Natural-flow data.
48	07072900 STRAWBERRY RIVER NEAR FRANKLIN, ARK. Location.--NW $\frac{1}{4}$ sec.33, T.18 N., R.7 W., at bridge on State Highway 56, 0.4 mile down-stream from Bens Creek, 0.6 mile upstream from Town Branch, and 2.3 miles east of Franklin. Drainage area.--155 mi ² . Records analyzed.--9 discharge measurements made during 1964-67. Remarks.--Natural-flow data.	55	07074450 DOTA CREEK NEAR NEWARK, ARK. Location.--W $\frac{1}{2}$ and on line between secs.27 and 34, T.13 N., R.4 W., at bridge on State Highway 122, 2.0 miles northeast of Newark. Drainage area.--56.6 mi ² . Records analyzed.--14 discharge measurements made during 1963-67. Remarks.--Natural-flow data.
49	07073600 MILL CREEK AT EVENING SHADE, ARK. Location.--NE $\frac{1}{4}$ sec.3, T.16 N., R.6 W., at high-way bridge 0.2 mile upstream from mouth and 0.5 mile southeast of Evening Shade. Drainage area.--12.2 mi ² . Records analyzed.--18 discharge measurements made during 1956-63. Remarks.--Natural-flow data.	56	07074600 VILLAGE CREEK AT WALNUT RIDGE, ARK. Location.--NE $\frac{1}{4}$ sec.34, T.17 N., R.1 E., at bridge on State Highway 25 at Walnut Ridge. Drainage area.--35 mi ² . Records analyzed.--12 discharge measurements and 4 observations of no flow made during 1958-63. Remarks.--Low flow affected by urban runoff.

STATION DESCRIPTIONS

Partial-Record Stations

Map no.	Description	Map no.	Description
	<i>White River basin--Continued</i>		<i>White River basin--Continued</i>
57	07074700 VILLAGE CREEK NEAR NEWPORT, ARK. Location.--E $\frac{1}{2}$ sec.5, T.11 N., R.2 W., at bridge on State Highway 14, 3.5 miles east of Newport. Drainage area.--277 mi ² . Records analyzed.--19 discharge measurements made during 1953-64. Remarks.--Low flow affected by irrigation practices.	65	07076940 WATTENSAW BAYOU NEAR LONOKE, ARK. Location.--Near center and on line between secs. 16 and 17, T.3 N., R.8 W., at bridge on State Highway 31, and 7.3 miles north of Lonoke. Drainage area.--31.6 mi ² . Records analyzed.--6 discharge measurements and 1 observation of no flow made during 1964-67. Remarks.--Low flow affected by irrigation practices.
58	07074800 DEPARTEE CREEK NEAR COFFEEVILLE, ARK. Location.--NE $\frac{1}{4}$ sec.11, T.10 N., R.4 W., at bridge on U.S. Highway 67, 1.2 miles north-east of Coffeeville. Drainage area.--101 mi ² . Records analyzed.--13 discharge measurements and 2 observations of no flow made during 1958-62. Remarks.--Low flow affected by diversion.	66	07076950 WATTENSAW BAYOU NEAR HAZEN, ARK. Location.--Near south edge of and on line between secs.17 and 18, T.3 N., R.5 W., at bridge on State Highway 11, 1.0 mile downstream from Barnes Creek and 6.8 miles north of Hazen. Drainage area.--192 mi ² . Records analyzed.--12 discharge measurements made during 1958-63. Remarks.--Low flow affected by irrigation practices.
59	07075200 DEVILS FORK LITTLE RED RIVER NEAR BROWNSVILLE, ARK. Location.--NW $\frac{1}{4}$ sec.35, T.12 N., R.10 W., at highway bridge 3.0 miles northeast of Brownsville. Drainage area.--209 mi ² . Records analyzed.--12 discharge measurements made during 1957-61. Remarks.--Natural-flow data.	67	07077100 BIG CREEK NEAR BOYDSVILLE, ARK. Location.--SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.16, T.20 N., R.7 E., at bridge on county road, 0.5 mile south of Crockett and 4.0 miles northeast of Boydsville. Drainage area.--12.8 mi ² . Records analyzed.--3 discharge measurements and 6 observations of no flow made during 1964-67. Remarks.--Natural-flow data.
60	07075390 ARCHEY CREEK AT CLINTON, ARK. Location.--SE $\frac{1}{4}$ sec.10, T.11 N., R.14 W., at bridge on U.S. Highway 65 at northeast city limits of Clinton. Drainage area.--118 mi ² . Records analyzed.--9 discharge measurements made during 1964-67. Remarks.--Natural-flow data.	68	07077300 CACHE RIVER NEAR STONEWALL, ARK. Location.--NW $\frac{1}{4}$ sec.5, T.18 N., R.5 E., 1.2 miles southwest of Stonewall. Drainage area.--284 mi ² . Records analyzed.--15 discharge measurements made during 1958-63. Remarks.--Low flow affected by irrigation practices.
61	07076510 BIG CREEK NEAR PANGBURN, ARK. Location.--NW $\frac{1}{4}$ sec.34, T.10 N., R.8 W., at bridge on county road, 1.0 mile upstream from Little Red River, and 2.0 miles north of Pangburn. Drainage area.--82.2 mi ² . Records analyzed.--10 discharge measurements made during 1964-67. Remarks.--Natural-flow data.	69	07077380 CACHE RIVER AT EGYPT, ARK. Location.--Lat 35°51'28", long 90°56'00", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.14 N., R.1 E., Craighead County, on right bank on downstream side of bridge on State Highway 91, 1.0 mile southeast of Egypt, 2.2 miles northwest of Winesburg, and at mile 143. Drainage area.--701 mi ² . Records analyzed.--1964-70. Remarks.--Regular gaging station analyzed as partial-record station. Low flow affected by irrigation practices.
62	07076530 BIG CREEK NEAR LETONA, ARK. Location.--SE $\frac{1}{4}$ sec.36, T.9 N., R.8 W., at bridge on State Highway 16, 1.5 miles northwest of Albion, 1.8 miles east of Letona, and 8.0 miles northwest of Searcy. Drainage area.--72.6 mi ² . Records analyzed.--10 discharge measurements made during 1964-67. Remarks.--Natural-flow data.	70	07077450 CACHE RIVER NEAR NEWPORT, ARK. Location.--W $\frac{1}{2}$ and on line between secs.19 and 30, T.11 N., R.1 W., at bridge on State Highway 14, 2.0 miles west of Amagon, and 8.0 miles southwest of Newport. Drainage area.--871 mi ² . Records analyzed.--7 discharge measurements made during 1963-66. Remarks.--Low flow affected by irrigation practices.
63	07076800 BAYOU DES ARC NEAR GARNER, ARK. Location.--SE $\frac{1}{4}$ sec.3, T.6 N., R.7 W., at bridge on U.S. Highway 67, 2.7 miles north-east of Garner. Drainage area.--96.7 mi ² . Records analyzed.--15 discharge measurements made during 1954-62. Remarks.--Natural-flow data.	71	07077650 BIG CREEK NEAR JONESBORO, ARK. Location.--SE $\frac{1}{4}$ sec.10, T.14 N., R.3 E., at bridge on U.S. Highway 63, 2.7 miles northwest of Jonesboro. Drainage area.--50.6 mi ² . Records analyzed.--14 discharge measurements made during 1957-62. Remarks.--Low flow affected by urban runoff.
64	07076880 BULL CREEK NEAR MCRAE, ARK. Location.--NW $\frac{1}{4}$ sec.3, T.5 N., R.8 W., at bridge on U.S. Highway 67, 2.5 miles south-west of McRae, and 1.3 miles northeast of Beebe. Drainage area.--95.8 mi ² . Records analyzed.--4 discharge measurements and 5 observations of no flow made during 1964-67. Remarks.--Natural-flow data.		

STATION DESCRIPTIONS
Partial-Record Stations

Map no.	Description	Map no.	Description
<i>White River basin--Continued</i>		<i>Arkansas River basin--Continued</i>	
72	07077920 BIG CREEK AT GOODWIN, ARK. Location.--NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.29, T.4 N., R.1 E., at bridge on U.S. Highway 70, 0.3 mile east of Goodwin. Drainage area.--31.1 mi ² . Records analyzed.--15 discharge measurements and 1 observation of no flow made during 1961-67. Remarks.--Low flow affected by irrigation practices. Also operated as a crest-stage station.	79	07194790 MUDDY FORK ILLINOIS RIVER NEAR SAVOY, ARK. Location.--NW $\frac{1}{4}$ sec.14, T.16 N., R.32 W., at bridge on county road, 0.3 mile upstream from Illinois River, 2.0 miles south of State Highway 16, and 3.0 miles south of Savoy. Drainage area.--73.5 mi ² . Records analyzed.--9 discharge measurements made during 1963-67. Remarks.--Natural-flow data.
73	07077940 SPRING CREEK NEAR AUBREY, ARK. Location.--SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.16, T.1 N., R.2 E., at bridge on State Highway 121, 2.1 miles south of Aubrey. Drainage area.--38 mi ² . Records analyzed.--23 discharge measurements made during 1962-67. Remarks.--Low flow affected by irrigation practices.	80	07194800 ILLINOIS RIVER AT SAVOY, ARK. Location.--SE $\frac{1}{4}$ sec.36, T.17 N., R.32 W., at bridge on State Highway 16, 0.5 mile west of Savoy. Drainage area.--167 mi ² . Records analyzed.--16 discharge measurements made during 1957-63. Remarks.--Natural-flow data.
74	07077950 BIG CREEK AT POPLAR GROVE, ARK. Location.--N $\frac{1}{2}$ sec.1, T.2 S., R.2 E., at bridge on State Highway 20, 0.8 mile northeast of Poplar Grove. Drainage area.--385 mi ² . Records analyzed.--14 discharge measurements made during 1959-64. Remarks.--Low flow affected by irrigation practices.	81	07194900 KEITH LAKE SPRING AT CAVE SPRINGS, ARK. Location.--Near north line of sec.12, T.18 N., R.31 W., at Cave Springs. Drainage area.--Indeterminate. Records analyzed.--21 discharge measurements made during 1952-63. Remarks.--Natural-flow data.
75	07077970 BIG CYPRESS CREEK AT TURNER, ARK. Location.--E $\frac{1}{2}$ sec.5, T.3 S., R.1 E., at bridge on State Highway 1, 1.0 mile south of Turner. Drainage area.--106 mi ² . Records analyzed.--8 discharge measurements made during 1958-63. Remarks.--Low flow affected by irrigation practices.	82	07194950 LITTLE OSAGE CREEK NEAR HEALING SPRINGS, ARK. Location.--NW $\frac{1}{4}$ sec.15, T.18 N., R.31 W., 0.5 mile upstream from mouth and 1.5 miles south of Healing Springs. Drainage area.--46.8 mi ² . Records analyzed.--21 discharge measurements made during 1954-63. Remarks.--Natural-flow data.
76	07078180 LITTLE LAGRUE BAYOU NEAR DEWITT, ARK. Location.--NE $\frac{1}{4}$ sec.34, T.4 S., R.3 W., at bridge on State Highway 1, 0.2 mile upstream from Holt Branch, and 1.6 miles northeast of DeWitt. Drainage area.--123 mi ² . Records analyzed.--7 discharge measurements made during 1964-67. Remarks.--Low flow affected by irrigation practices.	83	07195700 BIG SPRING AT SPRINGTOWN, ARK. Location.--NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.18 N., R.32 W., at Springtown. Drainage area.--Indeterminate. Records analyzed.--20 discharge measurements made during 1954-63. Remarks.--Natural-flow data.
<i>Arkansas River basin</i>		84	07196950 EVANSVILLE CREEK AT EVANSVILLE, ARK. Location.--Near south edge of and on line between secs.15 and 16, T.13 N., R.33 W., at bridge on State Highway 59, 1.0 mile north of Evansville. Drainage area.--24.4 mi ² . Records analyzed.--18 discharge measurements made during 1958-63. Remarks.--Natural-flow data.
77	07188800 FORD SPRING NEAR BENTONVILLE, ARK. Location.--NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.20 N., R.30 W., 3.0 miles north of Bentonville. Drainage area.--Indeterminate. Records analyzed.--23 discharge measurements made during 1952-63. Remarks.--Natural-flow data.	85	07246970 JONES CREEK NEAR WALDRON, ARK. Location.--SE $\frac{1}{4}$ sec.28, T.3 N., R.30 W., at bridge on Forest Service road, 0.3 mile west of Winfield, and 6.5 miles west of Waldron. Drainage area.--70.6 mi ² . Records analyzed.--6 discharge measurements and 3 observations of no flow made during 1963-67. Remarks.--Natural-flow data.
78	07188810 MCKISIC CREEK NEAR BELLA VISTA, ARK. Location.--NW $\frac{1}{4}$ sec.7, T.20 N., R.30 W., at bridge on county road, 0.2 mile east of U.S. Highway 71, 0.3 mile upstream from Little Sugar Creek, and 1.0 mile southeast of Bella Vista. Drainage area.--22.2 mi ² . Records analyzed.--8 discharge measurements made during 1964-67. Remarks.--Low flow affected by municipal effluent.	86	07247010 POTEAU RIVER NEAR BATES, ARK. Location.--SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.3 N., R.32 W., at low-water crossing on county road, 2.1 miles upstream from Oklahoma State line and 2.3 miles southwest of Bates. Drainage area.--251 mi ² . Records analyzed.--7 discharge measurements and 1 observation of no flow made during 1964-67. Remarks.--Natural-flow data.

STATION DESCRIPTIONS

Partial-Record Stations

Map no.	Description	Map no.	Description
<i>Arkansas River basin--Continued</i>		<i>Arkansas River basin--Continued</i>	
87	07247100 BLACK FORK NEAR PAGE, OKLA. Location.--Sec.5, T.3 N., R.27 E., at highway bridge 2.0 miles west of Arkansas-Oklahoma State line and 5.0 miles northeast of Page. Drainage area.--46.6 mi ² . Records analyzed.--12 discharge measurements and 2 observations of no flow made during 1958-63. Remarks.--Natural-flow data.	95	07250700 BIG CREEK AT BLOOMER, ARK. Location.--SW ¹ / ₄ SW ¹ / ₄ sec.7, T.7 N., R.29 W., at bridge on State Highway 22 at Bloomer. Drainage area.--53.1 mi ² . Records analyzed.--11 discharge measurements and 18 observations of no flow made during 1957-67. Remarks.--Natural-flow data.
88	07247200 BIG CREEK AT HOWARD, ARK. Location.--Sec.31, T.1 N., R.32 W., 300 feet north of U.S. Highway 270, 1.0 mile east of Arkansas-Oklahoma State line at Howard. Drainage area.--11.1 mi ² . Records analyzed.--14 discharge measurements and 1 observation of no flow made during 1958-63. Remarks.--Natural-flow data.	96	07251400 CEDAR CREEK NEAR RUDY, ARK. Location.--SE ¹ / ₄ sec.22, T.10 N., R.31 W., 200 feet upstream from mouth and 0.5 mile northwest of Rudy. Drainage area.--51.5 mi ² . Records analyzed.--18 discharge measurements and 1 observation of no flow made during 1958-63. Remarks.--Natural-flow data.
89	07247300 HAWS CREEK NEAR BLACK FORK, ARK. Location.--Sec.32, T.2 N., R.32 W., at highway bridge 2.0 miles east of Arkansas-Oklahoma State line and 2.0 miles north of Black Fork. Drainage area.--10.5 mi ² . Records analyzed.--14 discharge measurements made during 1958-63. Remarks.--Natural-flow data.	97	07251800 LITTLE MULBERRY CREEK NEAR OARK, ARK. Location.--SW ¹ / ₄ sec.21, T.12 N., R.25 W., at bridge on Forest Service road, 0.7 mile downstream from Lick Creek, 4.6 miles west of end of State Highway 103, and 6.1 miles west of Oark. Drainage area.--66.3 mi ² . Records analyzed.--9 discharge measurements made during 1963-67. Remarks.--Natural-flow data.
90	07249600 LEE CREEK AT NATURAL DAM, ARK. Location.--SW ¹ / ₄ sec.10, T.11 N., R.32 W., at bridge on State Highway 59 at Natural Dam. Drainage area.--168 mi ² . Records analyzed.--17 discharge measurements and 1 observation of no flow made during 1957-63. Remarks.--Natural-flow data.	98	07251900 MULBERRY RIVER NEAR CASS, ARK. Location.--NE ¹ / ₄ sec.35, T.12 N., R.27 W., at bridge on State Highway 23, 0.6 mile downstream from Turner Creek and 2.0 miles southwest of Cass. Drainage area.--266 mi ² . Records analyzed.--9 discharge measurements made during 1963-67. Remarks.--Natural-flow data.
91	07249700 MOUNTAIN FORK CREEK AT NATURAL DAM, ARK. Location.--SE ¹ / ₄ sec.9, T.11 N., R.32 W., at bridge on State Highway 59 at Natural Dam. Drainage area.--38.9 mi ² . Records analyzed.--17 discharge measurements made during 1957-63. Remarks.--Natural-flow data.	99	07252100 LITTLE MULBERRY CREEK NEAR MULBERRY, ARK. Location.--SW ¹ / ₄ sec.27, T.10 N., R.29 W., at bridge on U.S. Highway 64, 1.2 miles northwest of Mulberry. Drainage area.--49.7 mi ² . Records analyzed.--20 discharge measurements made during 1957-63. Remarks.--Natural-flow data.
92	07249800 LEE CREEK NEAR SHORT, OKLA. Location.--On line between secs.27 and 34, T.13 N., R.26 E., at highway bridge 2.0 miles west of Short. Drainage area.--236 mi ² . Records analyzed.--17 discharge measurements made during 1958-63. Remarks.--Natural-flow data.	100	07252300 WHITE OAK CREEK NEAR OZARK, ARK. Location.--SW ¹ / ₄ sec.26, T.10 N., R.28 W., at bridge on U.S. Highway 64, 7.5 miles west of Ozark. Drainage area.--75.0 mi ² . Records analyzed.--17 discharge measurements and 4 observations of no flow made during 1957-63. Remarks.--Natural-flow data.
93	07249900 LITTLE LEE CREEK NEAR SHORT, OKLA. Location.--NW ¹ / ₄ sec.28, T.13 N., R.26 E., at highway bridge 2.3 miles upstream from mouth and 3.0 miles west of Short. Drainage area.--103 mi ² . Records analyzed.--23 discharge measurements and 3 observations of no flow made during 1958-67. Remarks.--Natural-flow data.	101	07256200 HORSEHEAD CREEK AT HARTMAN, ARK. Location.--SE ¹ / ₄ sec.13, T.9 N., R.25 W. at bridge on U.S. Highway 64, 0.5 mile east of Hartman. Drainage area.--127 mi ² . Records analyzed.--18 discharge measurements made during 1952-63. Remarks.--Natural-flow data.
94	07250600 VACHE GRASSE CREEK NEAR LAVACA, ARK. Location.--NW ¹ / ₄ sec.5, T.7 N., R.30 W., at bridge on State Highway 22, 2.5 miles south of Lavaca. Drainage area.--105 mi ² . Records analyzed.--16 discharge measurements and 2 observations of no flow made during 1957-63. Remarks.--Natural-flow data.	102	07256700 SHOAL CREEK NEAR NEW BLAINE, ARK. Location.--SE ¹ / ₄ sec.5, T.7 N., R.23 W., at bridge on State Highway 22, 2.0 miles west of New Blaine. Drainage area.--50.0 mi ² . Records analyzed.--19 discharge measurements made during 1957-63. Remarks.--Natural-flow data.

STATION DESCRIPTIONS

Partial-Record Stations

Map no.	Description	Map no.	Description
<i>Arkansas River basin--Continued</i>		<i>Arkansas River basin--Continued</i>	
103	07257200 LITTLE PINEY CREEK NEAR LAMAR, ARK. Location.--Near center of sec.9, T.9 N., R.22 W., at highway bridge, 2.5 miles east of Lamar. Drainage area.--154 mi ² . Records analyzed.--19 discharge measurements made during 1957-63. Remarks.--Natural-flow data.	190	07261200 EAST FORK CADRON CREEK NEAR ENOLA, ARK. Location.--NE $\frac{1}{4}$ sec.28, T.7 N., R.12 W., at highway bridge, 4.5 miles west of Enola. Drainage area.--122 mi ² . Records analyzed.--15 discharge measurements made during 1957-63. Remarks.--Natural-flow data.
104	07257470 MIDDLE FORK ILLINOIS BAYOU NEAR HECTOR, ARK. Location.--E $\frac{1}{2}$ sec.7, T.10 N., R.18 W., at bridge on Forest Service road, 0.1 mile upstream from East Fork Illinois Bayou and 5.8 miles northeast of Hector. Drainage area.--57.3 mi ² . Records analyzed.--9 discharge measurements made during 1963-67. Remarks.--Natural-flow data.	111	07261400 MILL CREEK NEAR BOLES, ARK. Location.--SE $\frac{1}{4}$ sec.16, T.1 N., R.29 W., at bridge on U.S. Highway 71, 4.0 miles south of Boles. Drainage area.--50.5 mi ² . Records analyzed.--15 discharge measurements and 1 observation of no flow 1957-63. Remarks.--Natural-flow data.
105	07257480 NORTH FORK ILLINOIS BAYOU NEAR SCOTTSVILLE, ARK. Location.--S $\frac{1}{2}$ sec.21, T.10 N., R.19 W., at bridge on Forest Service road, 2.4 miles southwest of State Highway 27 and 4.6 miles northeast of Scottsville. Drainage area.--87.4 mi ² . Records analyzed.--9 discharge measurements made during 1963-67. Remarks.--Natural-flow data.	112	07261420 FOURCHE LAFAVE RIVER AT BOLES, ARK. Location.--NW $\frac{1}{4}$ sec.1, T.1 N., R.29 W., at bridge on Forest Service road, 0.2 mile downstream from Northern Creek, 1.1 miles upstream from Buffalo Creek, and 0.6 mile southwest of Boles. Drainage area.--176 mi ² . Records analyzed.--7 discharge measurements and 2 observations of no flow made during 1963-67. Remarks.--Low flow may be affected by diversion.
106	07258700 SUGAR CREEK NEAR SUGAR GROVE, ARK. Location.--NE $\frac{1}{4}$ sec.25, T.5 N., R.27 W., at highway bridge 1.1 miles west of Sugar Grove. Drainage area.--95.0 mi ² . Records analyzed.--20 discharge measurements and 6 observations of no flow made during 1957-67. Remarks.--Natural-flow data.	113	07261600 GAFFORD CREEK NEAR BLUFFTON, ARK. Location.--Sec.24, T.3 N., R.25 W., at bridge on State Highway 28, 0.8 mile southwest of Bluffton and 1 mile upstream from mouth. Drainage area.--41.0 mi ² . Records analyzed.--18 discharge measurements made during 1957-63. Remarks.--Natural-flow data.
107	07260600 SPRING CREEK NEAR DANVILLE, ARK. Location.--SE $\frac{1}{4}$ sec.13, T.5 N., R.23 W., at bridge on State Highway 27, 1.8 miles north of Danville. Drainage area.--28.0 mi ² . Records analyzed.--28 discharge measurements made during 1957-67. Remarks.--Natural-flow data.	114	07263290 MAUMELLE RIVER AT WILLIAMS JUNCTION, ARK. Location.--NW $\frac{1}{4}$ sec.23, T.3 N., R.17 W., at bridge on State Highway 9, 0.8 mile upstream from Narrow Creek Branch and 1.0 mile northwest of Williams Junction. Drainage area.--26.5 mi ² . Records analyzed.--3 discharge measurements and 4 observations of no flow made during 1964-67. Remarks.--Natural-flow data.
108	07260620 CHICKALAH CREEK NEAR CHICKALAH, ARK. Location.--SW $\frac{1}{4}$ sec.24, T.6 N., R.22 W., at bridge on State Highway 27, 0.5 mile upstream from Little Chickalah Creek and 1.0 mile southwest of Chickalah. Drainage area.--39.1 mi ² . Records analyzed.--3 discharge measurements and 6 observations of no flow made during 1963-67. Remarks.--Natural-flow data.	115	07263430 LITTLE MAUMELLE RIVER AT MAUMELLE, ARK. Location.--NW $\frac{1}{4}$ sec.18, T.2 N., R.13 W., at bridge on county road at Maumelle, 0.2 mile northeast of Chicago, Rock Island and Pacific Railroad crossing, and 1.3 miles north of Ivesville and State Highway 10. Drainage area.--78.6 mi ² . Records analyzed.--7 discharge measurements and 2 observations of no flow made during 1964-67. Remarks.--Natural-flow data.
109	07260700 POINT REMOVE CREEK NEAR MORRILTON, ARK. Location.--NW $\frac{1}{4}$ sec.11, T.6 N., R.17 W., at bridge on U.S. Highway 64, 3.0 miles northwest of Morrilton. Drainage area.--488 mi ² . Records analyzed.--15 discharge measurements made during 1952-63. Remarks.--Low flow affected by irrigation practices.	116	07263600 FOURCHE CREEK AT LITTLE ROCK, ARK. Location.--NE $\frac{1}{4}$ sec.14, T.1 N., R.12 W., at bridge on U.S. Highway 65 at Little Rock. Drainage area.--163 mi ² . Records analyzed.--14 discharge measurements made during 1957-63. Remarks.--Low flow affected by urban runoff.
		117	07263890 LITTLE BAYOU METO AT REYDEL, ARK. Location.--E $\frac{1}{2}$ sec.20, T.6 S., R.5 W., at bridge on State Highway 88 at Reydel. Drainage area.--425 mi ² . Records analyzed.--10 discharge measurements and 11 observations of no flow made during 1958-67. Remarks.--Low flow affected by irrigation practices.

STATION DESCRIPTIONS
Partial-Record Stations

Map no.	Description	Map no.	Description
<i>Arkansas River basin--Continued</i>		<i>Red River basin--Continued</i>	
118	07264200 BAYOU TWO PRAIRIE AT CARLISLE, ARK. Location.--SW $\frac{1}{4}$ sec.21, T.2 N., R.7 W., at bridge on U.S. Highway 70, 1.0 mile west of Carlisle. Drainage area.--151 mi ² . Records analyzed.--15 discharge measurements and 1 observation of no flow made during 1957-63. Remarks.--Low flow affected by irrigation practices.	125	07340400 COSSATOT RIVER NEAR UMPIRE, ARK. Location.--SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.23, T.5 S., R.30 W., at bridge on State Highway 4, 1.3 miles upstream from Harris Creek, 2.3 miles downstream from Cow Creek, and 7.5 miles west of Umpire. Drainage area.--113 mi ² . Records analyzed.--9 discharge measurements made during 1963-67. Remarks.--Natural-flow data.
<i>Red River basin</i>		126	07340750 LICK CREEK NEAR WILTON, ARK. Location.--SW $\frac{1}{4}$ sec.31, T.11 S., R.29 W., at bridge on U.S. Highway 71, 1.3 miles north of Wilton. Drainage area.--19.1 mi ² . Records analyzed.--1 discharge measurement and 8 observations of no flow made during 1963-66. Remarks.--Natural-flow data.
119	07336900 WALNUT BAYOU NEAR FOREMAN, ARK. Location.--On east line sec.12, T.13 S., R.32 W., at highway bridge 5.0 miles southeast of Foreman. Drainage area.--83.6 mi ² . Records analyzed.--15 discharge measurements made during 1958-62. Remarks.--Natural-flow data.	127	07341100 ROCK CREEK NEAR DIERKS, ARK. Location.--NE $\frac{1}{4}$ sec.36, T.7 S., R.29 W., at bridge on U.S. Highway 70, 1.4 miles southwest of Dierks. Drainage area.--9.82 mi ² . Records analyzed.--16 discharge measurements and 7 observations of no flow made during 1961-66. Remarks.--Natural-flow data. Also operated as a crest-stage station.
120	07338700 TWOMILE CREEK NEAR HATFIELD, ARK. Location.--NW $\frac{1}{4}$ sec.8, T.3 S., R.31 W., at bridge on U.S. Highway 71, 3.1 miles northeast of Hatfield. Drainage area.--16.1 mi ² . Records analyzed.--30 discharge measurements made during 1963-67. Remarks.--Natural-flow data. Also operated as a crest-stage station.	128	07341200 SALINE RIVER NEAR LOCKESBURG, ARK. Location.--Lat 33°57'43", long 94°03'40", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.23, T.9 S., R.29 W., Sevier County, near right bank on downstream side of bridge on State Highway 24, 2 miles downstream from Brushy Creek, 6 miles east of Lockesburg, and at mile 30. Drainage area.--260 mi ² . Records analyzed.--1963-70. Remarks.--Natural-flow data. Regular gaging station analyzed as a partial record station.
121	07338720 MOUNTAIN FORK NEAR HATFIELD, ARK. Location.--E $\frac{1}{2}$ and on line between secs.8 and 17, T.3 S., R.32 W., at bridge on county road and 4.0 miles northwest of Hatfield. Drainage area.--160 mi ² . Records analyzed.--16 discharge measurements made during 1962-67. Remarks.--Natural-flow data.	129	07341690 BOIS D'ARC CREEK NEAR HOPE, ARK. Location.--NE $\frac{1}{4}$ sec.2, T.13 S., R.25 W., at bridge on U.S. Highway 67, 0.4 mile upstream from Caney and 2.9 miles southwest of Hope. Drainage area.--36.0 mi ² . Records analyzed.--9 discharge measurements made during 1963-67. Remarks.--Natural-flow data.
122	07339200 ROLLING FORK NEAR GRANNIS, ARK. Location.--NW $\frac{1}{4}$ sec.14, T.6 S., R.32 W., at bridge on county road 2.0 miles west of Grannis. Drainage area.--30.9 mi ² . Records analyzed.--8 discharge measurements and 1 observation of no flow made during 1963-67. Remarks.--Natural-flow data.	130	07342150 MANIECE BAYOU NEAR CANFIELD, ARK. Location.--SW $\frac{1}{4}$ sec.10, T.18 S., R.25 W., at highway bridge 3.1 miles west of Canfield and 3.3 miles upstream from mouth. Drainage area.--109 mi ² . Records analyzed.--16 discharge measurements and 2 observations of no flow made during 1958-63. Remarks.--Natural-flow data.
123	07340200 WEST FLAT CREEK NEAR FOREMAN, ARK. Location.--NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.3, T.12 S., R.32 W., at bridge on State Highway 41, 2.3 miles north of Foreman. Drainage area.--10.6 mi ² . Records analyzed.--3 discharge measurements and 4 observations of no flow made during 1964-66. Remarks.--Natural-flow data. Also operated as a crest-stage station.	131	07342350 MCKINNEY BAYOU NEAR GARLAND, ARK. Location.--SE $\frac{1}{4}$ sec.29, T.15 S., R.26 W., at bridge on U.S. Highway 82, 1.0 mile downstream from Red Chute and 6.7 miles northwest of Garland. Drainage area.--169 mi ² . Records analyzed.--23 discharge measurements made during 1956-61. Remarks.--Natural-flow data.
124	07340300 COSSATOT RIVER NEAR VANDERVOORT, ARK. Location.--Lat 34°22'46", long 94°14'08", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.4 S., R.30 W., Polk County, near left bank on downstream side of bridge on State Highway 246, 0.3 mile downstream from Brushy Creek, 3.2 miles upstream from Flat Creek, and 7.5 miles east of Vandervoort. Drainage area.--89.4 mi ² . Records analyzed.1968-70. Remarks.--Regular gaging station analyzed as a partial record station. Natural-flow data.	132	07348600 BAYOU DORCHEAT AT BUCKNER, ARK. Location.--NW $\frac{1}{4}$ sec.18, T.16 S., R.22 W., at bridge on U.S. Highway 82, 1.0 mile east of Buckner. Drainage area.--101 mi ² . Records analyzed.--19 discharge measurements made during 1958-63. Remarks.--Natural-flow data.

STATION DESCRIPTIONS
Partial-Record Stations

Map no.	Description	Map no.	Description
<i>Red River basin--Continued</i>		<i>Red River basin--Continued</i>	
133	07349420 WHETTON BRANCH NEAR BODCAW, ARK. Location.--N½ and on line between secs.7 and 8, T.14 S., R.22 W., at bridge on State Highway 53, 1.1 miles south of Bodcau and 2.6 miles upstream from Little Bodcau Creek. Drainage area.--3.3 mi ² (approximately). Records analyzed.--9 discharge measurements made during 1963-67. Remarks.--Natural-flow data.	141	07359590 CADDO RIVER NEAR BLACK SPRINGS, ARK. Location.--SW¼ sec.28, T.3 S., R.26 W., at bridge on State Highway 8, 4.3 miles west of Black Springs. Drainage area.--14.6 mi ² . Records analyzed.--9 discharge measurements made during 1963-67. Remarks.--Natural-flow data.
134	07355810 OUACHITA RIVER NEAR MENA, ARK. Location.--NW¼-NE¼ sec.13, T.2 S., R.30 W., at bridge on State Highway 88, 1.5 miles west of Ink, 1.6 miles upstream from Irons Fork, and 4.7 miles east of Mena. Drainage area.--39.2 mi ² . Records analyzed.--9 discharge measurements made during 1964-67. Remarks.--Natural-flow data.	142	07359600 CADDO RIVER AT CADDO GAP, ARK. Location.--NE¼ sec.13, T.4 S., R.25 W., at highway bridge at Caddo Gap. Drainage area.--115 mi ² . Records analyzed.--18 discharge measurements made during 1956-63. Remarks.--Natural-flow data.
135	07355900 BIG FORK TRIBUTARY AT BIG FORK, ARK. Location.--SE¼NW¼ sec.23, T.3 S., R.28 W., on right bank at culvert on State Highway 8, 0.2 mile upstream from Big Fork, and 0.9 mile southeast of Big Fork. Drainage area.--0.16 mi ² . Records analyzed.--26 discharge measurements made during 1964-66. Remarks.--Natural-flow data. Also operated as a crest-stage gage.	143	07360100 L'EAU FRAIS CREEK AT JOAN, ARK. Location.--SW¼ sec.22, T.7 S., R.18 W., at highway bridge 0.5 mile southeast of Joan. Drainage area.--79.4 mi ² . Records analyzed.--28 discharge measurements made during 1958-67. Remarks.--Natural-flow data.
136	07356300 IRONS FORK NEAR ALY, ARK. Location.--NW¼ sec.6, T.1 N., R.23 W., at bridge on State Highway 27, 1.0 mile downstream from Robertson Creek and 1.6 miles south of Aly. Drainage area.--47 mi ² (approximately). Records analyzed.--7 discharge measurements and 1 observation of no flow made during 1964-67. Remarks.--Natural-flow data.	144	07360160 CYPRESS CREEK AT MANNING, ARK. Location.--SW¼ sec.13, T.8 S., R.17 W., at bridge on State Highway 8 at Manning and 5.0 miles east of Dalark. Drainage area.--59.6 mi ² . Records analyzed.--12 discharge measurements made during 1964-67. Remarks.--Natural-flow data.
137	07357710 GLAZYPEAU CREEK AT MOUNTAIN PINE, ARK. Location.--SE¼ sec.8, T.2 S., R.20 W., at bridge on State Highway 227, 0.5 mile east of Mountain Pine. Drainage area.--26 mi ² (approximately). Records analyzed.--8 discharge measurements made during 1964-67. Remarks.--Natural-flow data.	145	07360200 LITTLE MISSOURI RIVER NEAR LANGLEY, ARK. Location.--SW¼ sec.16, T.5 S., R.27 W., at highway bridge 3.5 miles west of Langley. Drainage area.--66.5 mi ² . Records analyzed.--14 discharge measurements made during 1958-63. Remarks.--Natural-flow data.
138	07358010 FOURCHE A LOUPE CREEK NEAR HOT SPRINGS, ARK. Location.--SW¼ sec.15, T.4 S., R.20 W., at bridge on State Highway 7 and 9.2 miles southwest of Hot Springs. Drainage area.--4.39 mi ² . Records analyzed.--10 discharge measurements made during 1964-67. Remarks.--Natural-flow data.	146	07361025 PRAIRIE CREEK NEAR MURFREESBORO, ARK. Location.--NE¼ sec.20, T.8 S., R.25 W., at bridge on State Highway 301, 0.7 mile upstream from Little Missouri River and 1.5 miles south of Murfreesboro. Drainage area.--33 mi ² (approximately). Records analyzed.--7 discharge measurements and 2 observations of no flow made during 1963-67. Remarks.--Natural-flow data.
139	07358700 GULPHA CREEK NEAR HOT SPRINGS, ARK. Location.--E¼ sec.13, T.3 S., R.19 W., at bridge on U.S. Highway 270, 4.6 miles south-east of Hot Springs. Drainage area.--50.2 mi ² . Records analyzed.--17 discharge measurements made during 1957-63. Remarks.--Natural-flow data.	147	07361160 NORTH FORK OZAN CREEK NEAR MCCASKILL, ARK. Location.--Near center and on line between secs.14 and 23, T.10 S., R.25 W., at bridge on county road 0.5 mile downstream from Middle Fork, 1.0 mile upstream from South Fork, and 3.0 miles south of McCaskill. Drainage area.--72.3 mi ² . Records analyzed.--4 discharge measurements and 4 observations of no flow made during 1963-67. Remarks.--Natural-flow data.
140	07359570 TENMILE CREEK NEAR DONALDSON, ARK. Location.--SE¼ sec.25, T.5 S., R.18 W., at bridge on U.S. Highway 67 and 3.0 miles northeast of Donaldson. Drainage area.--7.49 mi ² . Records analyzed.--7 discharge measurements and 3 observations of no flow made during 1964-67. Remarks.--Natural-flow data.	148	07361540 WOLF CREEK NEAR ANTOINE, ARK. Location.--SE¼ sec.27, T.8 S., R.23 W., at bridge on State Highway 29, 1.5 miles southwest of Antoine and 2.2 miles upstream from Antoine River. Drainage area.--37 mi ² (approximately). Records analyzed.--8 discharge measurements made during 1963-66. Remarks.--Natural-flow data.
		149	07361630 TERRE ROUGE CREEK NEAR HOPE, ARK. Location.--NE¼ sec.18, T.12 S., R.23 W., at bridge on U.S. Highway 67, 0.6 mile upstream from Garland Creek, 1.5 miles upstream from Pate Creek, and 4.0 miles northeast of Hope. Drainage area.--37.4 mi ² . Records analyzed.--8 discharge measurements made during 1964-67. Remarks.--Natural-flow data.

STATION DESCRIPTIONS
Partial-Record Stations

Map no.	Description	Map no.	Description
<i>Red River basin--Continued</i>		<i>Red River basin--Continued</i>	
150	07361640 LITTLE TERRE ROUGE CREEK NEAR EMMET, ARK. Location.--NE $\frac{1}{4}$ sec.34, T.11 S., R.23 W., at bridge on U.S. Highway 67, 1.0 mile upstream from May Creek and 1.4 miles north-east of Emmet. Drainage area.--38.0 mi ² . Records analyzed.--9 discharge measurements made during 1963-67. Remarks.--Natural-flow data.	758	07362080 GUM CREEK NEAR STEPHENS, ARK. Location.--SE $\frac{1}{4}$ sec.10, T.15 S., R.19 W., at bridge on U.S. Highway 79, 2.5 miles northeast of Stephens. Drainage area.--37 mi ² (approximately). Records analyzed.--10 discharge measurements and 4 observations of no flow made during 1959-67. Remarks.--Low flow may be affected by oil-field drainage and diversion.
151	07361650 TERRE ROUGE CREEK NEAR PRESCOTT, ARK. Location.--SW $\frac{1}{4}$ sec.14, T.11 S., R.21 W., at bridge on State Highway 24, 8.5 miles east of Prescott. Drainage area.--231 mi ² . Records analyzed.--16 discharge measurements made during 1958-62. Remarks.--Natural-flow data.	159	07362090 CAMP CREEK NEAR SMACKOVER, ARK. Location.--NE $\frac{1}{4}$ sec.8, T.16 S., R.16 W., at bridge on State Highway 160, 1.4 miles upstream from Smackover Creek and 2.0 miles west of Smackover city limits. Drainage area.--46.0 mi ² . Records analyzed.--9 discharge measurements made during 1963-67. Remarks.--Low flow may be affected by oil-field drainage and diversion.
152	07361700 CANEY CREEK NEAR BLUFF CITY, ARK. Location.--NW $\frac{1}{4}$ sec.22, T.11 S., R.20 W., at bridge on State Highway 24, 3.6 miles north of Bluff City. Drainage area.--167 mi ² . Records analyzed.--12 discharge measurements made during 1958-62. Remarks.--Natural-flow data.	160	07362300 CHAMPAGNOLLE CREEK AT HAMPTON, ARK. Location.--NW $\frac{1}{4}$ sec.32, T.13 S., R.13 W., at bridge on U.S. Highway 167, 1.0 mile north of Hampton. Drainage area.--86.0 mi ² . Records analyzed.--2 discharge measurements and 9 observations of no flow made during 1958-61. Remarks.--Natural-flow data.
153	07361800 TERRE NOIRE CREEK NEAR GURDON, ARK. Location.--SW $\frac{1}{4}$ sec.27, T.9 S., R.19 W., at highway bridge 7.0 miles east of Gurdon. Drainage area.--250 mi ² . Records analyzed.--17 discharge measurements made during 1958-66. Remarks.--Natural-flow data.	161	07362540 WHITewater CREEK NEAR TINSMAN, ARK. Location.--NW $\frac{1}{4}$ sec.21, T.12 S., R.12 W., at bridge on county road, 2.2 miles north of Tinsman. Drainage area.--25 mi ² (approximately). Records analyzed.--1 discharge measurement and 9 observations of no flow made during 1963-67. Remarks.--Natural-flow data.
154	07361850 TULIP CREEK NEAR PINE GROVE, ARK. Location.--NW $\frac{1}{4}$ sec.16, T.10 S., R.16 W., at bridge on State Highway 128, 2.0 miles southeast of Pine Grove. Drainage area.--152 mi ² . Records analyzed.--20 discharge measurements made during 1958-66. Remarks.--Natural-flow data.	162	07362550 MORO CREEK NEAR BANKS, ARK. Location.--NW $\frac{1}{4}$ sec.35, T.13 S., R.12 W., at bridge on State Highway 4, 3.5 miles southwest of Banks. Drainage area.--374 mi ² . Records analyzed.--26 discharge measurements and 3 observations of no flow made during 1946-62. Remarks.--Natural-flow data.
155	07361900 BAYOU FREED NEAR EAGLE MILLS, ARK. Location.--On line between and near south edge of secs.35 and 36, T.11 S., R.16 W., at bridge on State Highway 9, 2.5 miles north of Eagle Mills. Drainage area.--94.8 mi ² . Records analyzed.--16 discharge measurements made during 1958-62. Remarks.--Natural-flow data.	163	07362600 ALUM FORK AT CROWS, ARK. Location.--NW $\frac{1}{4}$ sec.29, T.1 S., R.16 W., at bridge on State Highway 5, 1.0 mile east of Crows. Drainage area.--123 mi ² . Records analyzed.--15 discharge measurements made during 1958-63. Remarks.--Natural-flow data.
156	07362060 TWO BAYOU AT CAMDEN, ARK. Location.--SE $\frac{1}{4}$ sec.27, T.13 S., R.17 W., at bridge on U.S. Highway 79 near southwest city limits of Camden. Drainage area.--110 mi ² (approximately). Records analyzed.--7 discharge measurements and 2 observations of no flow made during 1963-67. Remarks.--Low flow may be affected by urban runoff.	164	07362700 MIDDLE FORK AT CROWS, ARK. Location.--NW $\frac{1}{4}$ sec.25, T.1 S., R.17 W., at bridge on State Highway 5, 0.5 mile west of Crows. Drainage area.--109 mi ² . Records analyzed.--15 discharge measurements made during 1957-63. Remarks.--Natural-flow data.
157	07362070 LOCUST BAYOU AT LOCUST BAYOU, ARK. Location.--NW $\frac{1}{4}$ sec.32, T.13 S., R.15 W., at bridge on State Highway 4, 0.4 mile west of Locust Bayou. Drainage area.--81 mi ² (approximately). Records analyzed.--2 discharge measurements and 8 observations of no flow made during 1963-67. Remarks.--Natural-flow data.	165	07362800 SOUTH FORK NEAR HOT SPRINGS, ARK. Location.--SE $\frac{1}{4}$ sec.6, T.2 S., R.18 W., at bridge on State Highway 5, 7.0 miles northeast of Hot Springs. Drainage area.--12.9 mi ² . Records analyzed.--17 discharge measurements made during 1957-63. Remarks.--Low flow may be affected by diversion.

STATION DESCRIPTIONS

Partial-Record Stations

Map no.	Description	Map no.	Description												
<i>Red River basin--Continued</i>		<i>Red River basin--Continued</i>													
166	<p>07362870 NORTH FORK AT PARON, ARK. Location.--N½ and on line of sec.31, T.2 N., R.16 W., at bridge on State Highway 9, 0.4 mile north of Paron. Drainage area.--20.1 mi². Records analyzed.--4 discharge measurements and 4 observations of no flow made during 1964-67. Remarks.--Natural-flow data.</p>	173	<p>07363465 BIG CREEK NEAR PANSY, ARK. Location.--NE¼ sec.24, T.10 S., R.10 W., at bridge on State Highway 35, 1.0 mile upstream from Saline River and 5.0 miles west of Pansy. Drainage area.--157 mi². Records analyzed.--3 discharge measurements and 6 observations of no flow made during 1964-67. Remarks.--Natural-flow data.</p>												
167	<p>07362900 NORTH FORK NEAR BENTON, ARK. Location.--SW¼ sec.28, T.1 S., R.15 W., at bridge on State Highway 5, 4.0 miles northwest of Benton. Drainage area.--132 mi². Records analyzed.--17 discharge measurements made during 1957-63. Remarks.--Low flow affected by regulation at Lake Norrell.</p>	174	<p>07363700 HUDGIN CREEK NEAR PANSY, ARK. Location.--NE¼ sec.24, T.10 S., R.9 W., at bridge on State Highway 11, 1.5 miles northeast of Pansy. Drainage area.--90.3 mi². Records analyzed.--10 discharge measurements and 8 observations of no flow made during 1958-66. Remarks.--Natural-flow data.</p>												
168	<p>07363100 FRANCOIS CREEK NEAR POYEN, ARK. Location.--Near center of sec.3, T.5 S., R.15 W., at bridge on U.S. Highway 270, 2.0 miles east of Poyen. Drainage area.--84.1 mi². Records analyzed.--15 discharge measurements made during 1958-63. Remarks.--Natural-flow data.</p>	175	<p>07364010 BROWN CREEK NEAR LACEY, ARK. Location.--SW¼ sec.21, T.14 S., R.7 W., at bridge on State Highway 81, 1.2 miles north of Lacey and 11 miles south of Monticello. Drainage area.--14 mi² (approximately). Records analyzed.--1 discharge measurement and 8 observations of no flow made during 1964-67. Remarks.--Natural-flow data.</p>												
169	<p>07363110 BIG CREEK AT POYEN, ARK. Location.--SE¼ sec.5, T.5 S., R.15 W., at bridge on State Highway 229, 0.7 mile south of Poyen, 1.4 miles upstream from Clear Creek, and 2.1 miles upstream from Francois Creek. Drainage area.--32.1 mi². Records analyzed.--11 discharge measurements made during 1964-67. Remarks.--Natural-flow data.</p>	176	<p>07364020 EAGLE CREEK AT HERMITAGE, ARK. Location.--NE¼ sec.1, T.15 S., R.11 W., at bridge on State Highway 15, 0.5 mile southeast of Hermitage. Drainage area.--167 mi². Records analyzed.--5 discharge measurements and 10 observations of no flow made during 1958-62. Remarks.--Natural-flow data.</p>												
170	<p>07363180 LOST CREEK NEAR SHERIDAN, ARK. Location.--SE¼ sec.1, T.5 S., R.14 W., at bridge on U.S. Highway 270, 1.4 miles downstream from Little Creek and 3.7 miles west of Sheridan. Drainage area.--68.2 mi². Records analyzed.--3 discharge measurements and 5 observations of no flow made during 1964-67. Remarks.--Natural-flow data.</p>	177	<p>07364060 BAYOU LAPILE AT STRONG, ARK. Location.--N½ sec.33, T.18 S., R.12 W., at highway bridge 0.5 mile northeast of Strong. Drainage area.--93.3 mi². Records analyzed.--20 discharge measurements made during 1958-63. Remarks.--Low flow may be affected by oil-field drainage and diversion.</p>												
171	<p>07363440 DERRIEUSSEAU CREEK NEAR RISON, ARK. Location.--SE¼ sec.31, T.8 S., R.11 W., at bridge on State Highway 35, 3.0 miles upstream from Saline River and 4.0 miles northwest of Rison. Drainage area.--144 mi². Records analyzed.--3 discharge measurements and 7 observations of no flow made during 1964-67. Remarks.--Natural-flow data.</p>	178	<p>07364130 DEEP BAYOU NEAR STAR CITY, ARK. Location.--NE¼SW¼ sec.2, T.9 S., R.6 W., at bridge on State Highway 114, 9.2 miles east of Star City. Drainage area.--113 mi². Records analyzed.--3 discharge measurements and 2 observations of no flow made during 1964-65. Remarks.--Low flow affected by irrigation practices. Measurements.--</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Date</th> <th>Cubic feet per second</th> </tr> </thead> <tbody> <tr> <td>7-7-64</td> <td>1.5</td> </tr> <tr> <td>10-13-64</td> <td>1.25</td> </tr> <tr> <td>11-17-64</td> <td>0</td> </tr> <tr> <td>8-11-65</td> <td>(2)</td> </tr> <tr> <td>10-25-65</td> <td>1.02</td> </tr> </tbody> </table>	Date	Cubic feet per second	7-7-64	1.5	10-13-64	1.25	11-17-64	0	8-11-65	(2)	10-25-65	1.02
Date	Cubic feet per second														
7-7-64	1.5														
10-13-64	1.25														
11-17-64	0														
8-11-65	(2)														
10-25-65	1.02														
172	<p>07363460 BIG CREEK NEAR PINE BLUFF, ARK. Location.--NE¼ sec.17, T.7 S., R.10 W., at bridge on U.S. Highway 79, 0.3 mile downstream from small tributary and 7.0 miles southwest of Pine Bluff. Drainage area.--14.8 mi². Records analyzed.--2 discharge measurements and 7 observations of no flow made during 1964-67. Remarks.--Natural-flow data.</p>	179	<p>07364170 CUTOFF CREEK NEAR SELMA, ARK. Location.--SE¼ sec.11, T.12 S., R.5 W., at bridge on State Highway 4, 1.6 miles southwest of Selma. Drainage area.--88.4 mi². Records analyzed.--9 discharge measurements and 4 observations of no flow made during 1958-62. Remarks.--Low flow affected by irrigation practices.</p>												
		180	<p>073634250 CHEMIN-A-HAUT CREEK NEAR BERLIN, ARK. Location.--SW¼ sec.31, T.18 S., R.6 W., at highway bridge 1.5 miles north of Berlin. Drainage area.--216 mi². Records analyzed.--12 discharge measurements and 1 observation of no flow made during 1958-62. Remarks.--Low flow may be affected by irrigation practices.</p>												

¹Estimated.

²Above base flow.

STATION DESCRIPTIONS

Partial-Record Stations

Map no.	Description	Map no.	Description
<i>Red River basin--Continued</i>		<i>Red River basin--Continued</i>	
181	07364260 HANKS CREEK NEAR HAMBURG, ARK. Location.--NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.4, T.18 S., R.7 W., at bridge on U.S. Highway 82, 4.5 miles southwest of Hamburg. Drainage area.--14 mi ² (approximately). Records analyzed.--5 discharge measurements and 4 observations of no flow made during 1964-67. Remarks.--Low flow may be affected by irrigation practices. Measurements.--		
	<u>Date</u>	<u>Cubic feet per second</u>	
	10- 5-64	0.78	
	12-17-64	1.4	
	1-20-65	1.01	
	9-12-67	1.50	
182	07364600 BAYOU DE LOUITRE NEAR EL DORADO, ARK. Location.--NW $\frac{1}{4}$ sec.6, T.19 S., R.14 W., at highway bridge 0.8 mile downstream from Highbank Creek and 8.5 miles southeast of El Dorado. Drainage area.--78.4 mi ² . Records analyzed.--18 discharge measurements made during 1958-63. Remarks.--Low flow may be affected by oil- field drainage and diversion.	183	07366100 LITTLE CORNIE BAYOU NEAR JUNCTION CITY, ARK. Location.--NE $\frac{1}{4}$ sec.25, T.19 S., R.16 W., at bridge on U.S. Highway 167, 2 miles northeast of Junction City. Drainage area.--98.2 mi ² . Records analyzed.--20 discharge measurements made during 1958-63. Remarks.--Low flow may be affected by oil-field drainage and diversion.

¹Estimated.

Table 1.—Flow duration at continuous-record gaging stations on selected Arkansas streams
 [This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station Number	Station Name	Drainage area (mi ²)	Records used (water years)	Flow, in thousands of cubic feet per second, which was equaled or exceeded for percentage of time indicated in column subheads																		
					99.9	99.5	99	98	95	90	80	70	60	50	40	30	20	10	5	2	1	0.5	
<i>Mississippi River main stem</i>																							
1	07032000	Mississippi River at Memphis, Tenn.	1,932,800	1934-70	85	95	102	113	133	157	198	239	288	352	438	554	700	910	1,070	1,240	1,360	1,470	
2	07047970	Mississippi River at Helena, Ark.	1,941,700	1929-69	87	99	107	117	136	160	204	249	300	365	450	570	730	950	1,130	1,320	1,440	1,550	
3	07265450	Mississippi River near Arkansas City, Ark.	1,130,600	1929-49 1950-71 1973-72	94 126 96	103 134 109	109 138 118	118 144 132	137 168 153	163 200 179	210 255 234	260 303 287	324 364 350	400 435 424	520 540 525	660 665 660	860 810 820	1,130 1,010 1,040	1,320 1,160 1,230	1,530 1,340 1,440	1,690 1,450 1,580	1,840 1,700 1,700	

¹ Approximately.

[This table includes data for both regulated and unregulated streams. See brief station descriptions.]

Map no.	Station Number	Station Name	Drainage area (mi ²)	Records used (years)	Flow, in cubic feet per second, which was equal to or exceeded for percentage of time indicated in column subheads																	
					99.9	99.5	99	98	95	90	80	70	60	50	40	30	20	10	5	2	1	0.5
<i>St. Francis River basin</i>																						
4	07040100	St. Francis River at St. Francis.	1,772	1931-69	64	76	85	97	127	172	262	370	530	800	1,280	2,150	3,600	5,640	7,900	11,500	14,300	16,900
5	07040450	St. Francis River at Lake City.	2,374	1932-69	78	96	109	128	178	260	430	635	930	1,440	2,230	3,340	4,950	7,580	10,600	14,400	17,000	19,300
6	07046600	Right hand chute of Little River at Riverview.	2,106	1948-69	116	142	161	190	254	365	610	870	1,160	1,480	1,970	2,700	4,200	6,850	9,100	14,000	18,000	21,700
7	07047000	Riverview River floodway near Marked Trees.	(2)	1935-70	0	0	0	0	0	0	145	520	1,020	1,720	2,840	4,430	7,000	12,200	17,700	24,600	29,600	34,200
8	07047500	St. Francis River at Marked Tree.	(2)	1935-69	70	81	89	103	138	230	610	1,000	1,310	1,570	1,820	2,120	2,480	2,940	3,340	3,800	4,100	4,400
9	07047600	Tyroneza River near Tyroneza.	290	1950-70	23	26	28	31	38	48	61	76	93	115	147	202	365	1,170	2,250	3,360	4,000	4,500
10	07047800	St. Francis River at Parkin.	(3)	1931-69	200	243	273	316	420	625	1,030	1,400	1,740	2,130	2,600	3,170	4,000	5,850	7,900	10,700	13,000	15,200
11	07047900	St. Francis Bay at Riverview.	(3)	1936-69	13	39	47	53	84	123	365	740	1,250	2,100	3,280	5,100	8,250	13,900	19,600	26,300	31,200	35,300
12	07047902	St. Francis River at junction of Little River at Milledgeville.	46,475	1936-69	300	370	429	522	745	1,030	1,560	2,210	3,030	4,140	5,700	8,100	12,200	19,800	24,500	31,900	38,700	45,400
13	07047950	L'Anguille River at Palestine.	786	1950-70	0	0	0	0	1.0	27	79	146	238	415	778	1,230	1,850	3,130	4,650	7,150	9,200	11,000
<i>White River basin</i>																						
14	07048000	West Fork White River at Greenland.	83.1	1946-70	0	0	0	0	.1	.2	1.0	4.3	12	24	40	68	114	226	410	880	1,360	2,000
15	07048500	West Fork White River at Littleville.	120	1938-45	.3	.4	.5	.6	.8	1.2	2.5	6.2	15	29	52	88	155	313	600	1,490	2,540	4,000
16	07049000	War Eagle Creek near Hindsville.	263	1953-70	.4	.8	2.0	3.7	6.3	8.9	15	27	46	73	115	178	298	565	1,080	2,230	3,460	5,500
17	07049500	White River near Rogers.	1,020	1953-63	3.3	4.5	6.3	10	26	41	67	136	221	329	495	840	1,320	2,330	4,150	7,700	12,400	19,700
18	07050000	White River at Beaver.	1,244	1922-58	2.9	6.7	15	30	43	64	130	202	317	515	795	1,220	1,950	3,450	5,750	10,700	17,300	25,100
19	07050500	Kings River near Berryville.	527	1940-70	.6	1.0	1.6	4.0	11	19	36	59	94	149	246	396	665	1,230	2,110	4,150	6,650	9,900
20	07055000	White River near Flippin.	6,081	1929-50	124	150	192	289	410	595	890	1,260	1,800	2,650	3,960	5,900	9,050	15,700	24,600	43,000	61,000	82,000
				1952-70	129	153	179	230	330	430	790	1,510	2,180	3,460	5,150	7,250	11,700	16,300	20,500	22,200	23,300	23,300
21	07056000	Buffalo River near St. Joe.	889	1940-70	9.6	13	16	21	31	45	75	114	178	300	480	770	1,240	2,250	3,750	7,200	11,800	19,200
22	07057000	Buffalo River near Rush.	1,096	1929-70	15	21	27	36	53	72	112	164	247	385	605	950	1,530	2,830	4,750	9,300	15,300	23,000
23	07059000	North Fork River near Henderson.	1,611	1929-42	308	330	348	370	410	457	535	605	700	810	990	1,300	1,800	2,680	3,950	6,750	10,200	13,900
24	07060000	North Fork River at Parkin near Rock.	1,808	1945-70	(3)	(3)	(3)	(3)	(3)	100	445	900	1,250	1,540	1,820	2,140	2,620	3,650	4,950	6,900	8,250	9,700
25	07060500	White River at Calico Rock.	9,978	1940-50	600	692	770	940	1,200	1,470	2,000	2,720	3,730	5,400	7,600	10,800	15,800	25,500	41,500	74,000	102,000	137,000
				1952-70	400	620	670	870	1,280	1,720	2,330	3,460	4,400	6,100	8,100	11,500	16,300	23,900	39,000	59,000	89,000	131,000
26	07061000	White River at Batesville.	11,070	1938-51	875	1,000	1,080	1,210	1,480	1,820	2,470	3,260	4,400	6,100	8,950	12,600	18,300	29,800	47,500	82,500	114,000	151,000
27	07064000	Black River near Corning.	1,749	1939-70	238	256	267	283	318	360	440	538	670	870	1,190	1,760	2,620	3,880	5,400	8,900	11,700	14,500
28	07069000	Black River at Pocahontas.	4,846	1937-70	1,150	1,230	1,280	1,360	1,490	1,660	1,970	2,290	2,720	3,450	4,360	5,750	7,950	11,900	15,900	23,100	29,400	35,500
29	07069500	Spring River at Eiten.	1,182	1937-70	250	264	274	288	318	357	428	505	600	730	900	1,160	1,590	2,550	3,860	6,750	10,700	16,200
30	07072000	Clinton River at Springtown.	1,134	1930-33	247	266	280	297	330	374	453	534	635	750	900	1,090	1,380	1,950	2,690	4,140	6,300	9,450
31	07072500	Black River at Black Rock.	7,369	1930-31	1,760	1,870	1,950	2,050	2,240	2,510	2,940	3,460	4,200	5,190	6,550	8,450	11,500	17,700	24,100	33,700	43,600	55,500
32	07073000	Strawberry River near Evening Shade.	217	1940-70	5.2	6.0	6.6	7.4	9.2	12	17	25	37	55	84	128	203	392	720	1,610	2,900	4,530
33	07073500	Piney Fork at Evening Shade.	99.2	1940-70	0	.2	.5	.9	1.9	3.2	6.4	11	18	28	41	60	94	177	314	645	1,120	1,800
34	07074000	Strawberry River near Poughkeepsie.	473	1937-70	38	40	42	45	50	58	76	102	133	179	248	359	550	950	1,620	3,750	6,500	9,600

2 Indeterminate. Total drainage area of St. Francis River and St. Francis River floodway, 5,148 mi².

3 Indeterminate.

4 Combined area of St. Francis River at Parkin and St. Francis Bay at Riverfront.

Table 1.—Flow duration at continuous-record gauging stations on selected Arkansas streams—Continued
 [This table includes data for both regulated and unregulated streams. See brief station descriptions.]

Map no.	Station Number	Station Name	Drainage area (mi ²)	Records used (water years)	Flow, in cubic feet per second, which was equaled or exceeded for percentage of time indicated in column subheads																		
					99.9	95.5	99	98	95	90	80	70	60	50	40	30	20	10	5	2	1	0.5	
White River basin—Con.																							
35	07074500	White River at Newport.	19,860	1938-31, 1938-50	3,550	3,730	3,850	4,020	4,100	5,050	6,500	8,100	10,600	14,500	20,000	27,500	38,600	59,500	82,000	116,000	145,000	176,000	
36	07075000	Middle Fork Little Red River at Spring River at Clinton.	302	1940-70	0	0	0	0	.2	2.2	13	32	61	109	188	307	530	1,060	1,820	3,520	5,540	8,000	
37	07075300	South Fork Little Red River at Clinton.	148	1962-70	0	0	0	0	1.1	8.4	19	34	56	87	137	228	425	800	1,500	2,170	3,230		
38	07075500	South Fork Little Red River near Clinton.	316	1940-61	0	0	0	0	.1	.7	15	48	99	173	295	464	744	1,280	2,140	4,400	6,900	9,850	
39	07076000	Little Red River near Heber Springs.	1,141	1928-61	0	0	0	.1	1.3	9.6	58	163	327	570	940	1,470	2,360	4,200	7,250	14,600	22,800	32,300	
40	07076000	Little Red River near Heber Springs.	1,153	1963-70	0	.3	1.0	2.2	4.0	6.1	9.1	13.4	25.9	56.0	96.0	1,590	2,380	3,350	4,200	5,130	6,650	8,150	
41	07076850	Cypress Bayou near Heber Springs.	166	1963-70	0	0	0	0	0	0	0	.5	2.7	8.1	21	43	87	190	635	1,000	1,640	2,460	
42	07077000	White River at Devils Bluff.	23,483	1950-70	3,330	3,740	4,350	5,850	6,760	7,650	9,370	11,400	13,900	17,600	23,400	31,600	41,300	55,000	67,800	86,500	102,000	116,000	
43	07077500	Cache River at Patterson.	1,037	1928-31, 1938-70	5.6	22	32	41	53	66	106	162	238	373	670	1,270	2,240	3,850	5,240	6,900	8,050	9,030	
44	07077700	Bayou DeVew at Horton.	421	1940-70	0	0	0	0	0	0	9.0	31	65	114	200	435	930	1,880	2,580	3,270	3,790	4,230	
45	07077800	White River at Clarendon.	25,555	1928-50 1951-70	3,120 3,570 3,630 3,920	4,080 4,300 4,300 4,500	4,980 5,700 5,700 6,040	7,300 7,980 7,980 8,300	9,650 11,900 11,900 12,400	12,700 16,900 16,900 18,000	14,400 18,000 18,000 19,000	21,500 24,900 24,900 26,000	31,200 36,000 36,000 38,000	42,000 50,200 50,200 52,000	56,200 66,000 66,000 68,000	73,200 84,000 84,000 86,000	91,000 104,000 104,000 106,000	103,000 116,000 116,000 118,000	126,000 140,000 140,000 142,000	145,000 166,000 166,000 168,000	183,000 192,000 192,000 194,000	203,000 213,000 213,000 215,000	
46	07077930	Big Creek near Moro----	77.4	1963-70	0	0	0	0	.1	.4	.9	4.0	8.2	14	22	34	55	112	244	368	555	760	1,070
Arkansas River basin																							
47	07195000	Osage Creek near Elm Springs.	130	1951-70	6.6	10	12	15	20	24	30	37	47	59	74	93	122	182	264	465	755	1,130	
48	07195800	Flint Creek at Springtown.	14.2	1962-70	.7	1.3	1.5	1.8	2.1	2.4	2.9	3.6	4.5	5.6	7.0	9.0	12	20	30	49	70	102	
49	07196900	Baron Fork at Dutch Fork.	46.0	1959-70	0	0	.1	.2	.3	.5	1.1	2.4	4.1	7.4	13	22	36	62	112	276	455	670	
50	07247000	Potau River at Cauthron.	203	1940-70	0	0	0	0	0	.2	2.0	5.4	13	27	51	90	173	382	855	2,080	3,570	5,600	
51	07249400	James Fork near Hackett.	147	1959-70	0	0	0	0	.3	.6	1.7	4.7	12	23	42	71	117	235	455	1,050	1,840	2,980	
52	07249500	Cove Creek near Lee Hackett.	35.3	1951-70	0	0	0	0	.1	.2	.8	1.8	3.4	6.6	13	23	39	77	144	330	565	825	
53	07250000	Lee Creek near Van Buren.	426	1931-36, 1951-70	0	0	0	0	.1	1.4	7.3	23	49	95	174	292	505	990	1,810	3,820	6,050	9,050	
54	07250550	Arkansas River at Dam No. 13, near Van Buren.	5150,547	1928-70	424	635	890	1,240	1,920	2,980	4,970	7,150	9,900	13,500	18,700	26,900	42,400	75,500	116,000	175,000	232,000	291,000	
55	07251000	Frog Bayou near Mountainburg.	74.2	1937-61	0	0	0	0	0	0	0	0	0	3.3	28	66	128	259	425	790	1,270	2,000	
56	07251500	Frog Bayou at Rudy----	216	1951-70	0	0	0	0	1.3	4.4	10	24	46	90	163	287	585	1,020	1,950	3,150	4,650		
57	07252000	Mulberry River near Mulberry.	373	1938-70	0	0	0	.1	.4	3.1	15	39	81	157	276	414	675	1,200	2,000	3,730	5,750	8,450	
58	07253000	Stamile Creek at Mountainburg.	24.1	1955-69	0	0	0	0	0	0	0	.1	.7	2.1	5.0	12	27	73	106	168	253	340	
59	07253500	Stamile Creek near Branch.	36.7	1955-69	0	0	0	0	0	0	0	.4	1.8	4.3	9.9	22	47	100	159	258	358	490	
60	07255000	Stamile Creek at Caulkville.	104	1955-69	0	0	0	0	.1	.5	2.2	4.9	12	27	52	104	244	440	845	1,230	1,770		
61	07255500	Hurricane Creek near Branch.	17.2	1955-69	0	0	0	0	0	0	0	.1	.8	2.7	5.6	10	18	47	85	119	160	223	
62	07256000	Hurricane Creek near Caulkville.	53.0	1955-69	0	0	0	0	0	0	.1	.5	2.3	6.9	15	27	51	112	210	425	670	1,010	
63	07256500	Spadra Creek at Clarksville.	61.1	1953-70	0	0	0	0	.6	1.4	2.8	5.1	10	19	32	52	89	171	272	510	860	1,340	
64	07257000	Barney Creek near Clarksville.	274	1951-70	0	0	0	0	.4	2.6	11	25	50	97	170	289	495	900	1,480	2,720	4,140	6,250	
65	07257500	Illinois Bayou near Scottsville.	241	1948-70	0	0	0	0	.1	.4	1.8	10	28	59	107	172	273	445	830	1,360	2,600	4,140	

522.241 mi² probably noncontributing.

Table 1.—Flow duration at continuous-record gaging stations on selected Arkansas streams—Continued
 [This table includes data for both regulated and unregulated streams. See brief station descriptions.]

Map no.	Station Number	Station Name	Drainage area (mi ²)	Records used (water years)	Flow, in cubic feet per second, which was equaled or exceeded for percentage of time indicated in column subheads																		
					99.9	99.5	99	98	95	90	80	70	60	50	40	30	20	10	5	2	1	0.5	
<i>Arkansas River basin—Con.</i>																							
66	07250000	Arkansas River at Dardanelle.	515,670	1938-70	524	795	1,240	1,680	2,480	3,790	6,000	8,500	11,700	16,100	22,600	33,000	50,000	85,500	128,000	196,000	244,000	300,000	
67	07258500	Petit Jean River near Pottsville	241	1940-70	0	0	0	0	0	.2	1.1	4.7	15.	32	64	118	217	458	980	2,310	3,950	6,500	
68	07259500	Pettibone River near Newland.	516	1947-70	0	0	1.0	2.3	4.6	7.6	15	26	46	97	180	450	970	1,920	2,290	2,760	3,180	3,690	
69	07260000	Dutch Creek at Walnut Creek.	81.4	1946-70	0	0	0	0	0	0	.7	3.2	7.8	16	29	49	85	169	334	820	1,380	2,150	
70	07260500	Petit Jean River at Danville.	764	1917-46 1948-69	0	0	1.1	2.3	4.5	7.6	15	26	46	97	180	450	970	1,920	2,290	2,760	3,180	3,690	
71	07261000	Cadron Creek near Guy--	169	1955-70	0	0	0	0	0	.1	1.6	11	25	49	86	137	214	346	635	1,050	1,970	3,050	
72	07261500	Fourche LaFave River near Gravelly	410	1940-70	0	0	0	0	0	0	1.4	9.2	29	60	105	188	320	555	1,090	2,000	4,400	7,200	
73	07262500	Fourche LaFave River near Miro	684	1943-70	.2	.4	.6	1.0	2.0	4.2	21	43	67	146	248	500	1,300	3,450	4,640	5,600	6,100	6,550	
74	07263000	South Fourche LaFave River near Hollis.	210	1942-70	0	0	0	0	0	.5	4.0	11	23	44	80	137	248	565	1,170	2,780	5,050	6,900	
75	07263450	Arkansas River at Murray Lock and Dam, Little Rock.	518,030	1928-70	955	1,350	1,550	2,000	3,160	4,850	7,700	10,800	15,000	20,700	28,800	41,000	60,000	98,000	143,000	209,000	260,000	318,000	
76	07264000	Bayou Meto near Lonoke.	207	1955-70	0	0	.3	1.1	2.7	6.0	14	22	40	72	127	236	435	850	1,940	3,400	5,900	8,300	
77	07264500	Bayou Meto near Stuttgart.	574	1936-54	0	0	0	0	0	0	6.7	37	87	174	445	800	1,120	1,600	2,100	2,800	3,340	3,830	
78	07265000	Crooked Creek near Humphrey.	79.2	1941-54	0	0	0	0	0	0	.1	1.5	6.0	20	82	244	525	945	1,270	1,560	1,710	1,830	
<i>Red River basin</i>																							
79	07337000	Red River at Index----	648,030	1937-43 1945-70	422 418	458 490	485 740	535 1,190	670 1,800	948 2,310	1,790 2,930	2,800 3,540	4,000 4,240	5,450 5,200	7,650 6,650	10,800 9,250	17,100 15,300	32,900 30,500	56,000 47,300	97,000 70,000	122,000 86,500	148,000 103,000	
80	07339500	Rolling Fork near DeQueen.	181	1949-70	0	0	.1	.3	.9	2.7	6.4	15	35	58	91	156	288	610	1,180	2,650	4,000	5,650	
81	07340000	Little River near Horatio	2,674	1935-68	1.4	2.4	3.9	8.0	25	54	153	338	610	1,030	1,680	2,680	4,600	10,700	18,400	29,000	37,300	47,000	
82	07340500	Conasaot River near Sallis	361	1939-70	1.5	2.4	3.4	5.5	10	16	29	50	91	148	233	370	635	1,400	2,580	5,100	7,600	10,700	
83	07341000	Saline River near Dierks.	124	1939-70	0	0	0	.1	.2	.8	4.3	11	22	40	70	121	214	433	790	1,570	2,360	3,400	
84	07341500	Red River at Fulton----	52,380	1928-43 1945-70	444 450	545 720	630 1,060	745 1,500	1,040 2,200	2,540 2,880	3,980 4,740	5,650 4,550	7,700 7,200	10,500 10,100	15,100 15,700	25,600 25,500	46,500 45,800	69,500 68,000	103,000 98,000	122,000 120,000	137,000 145,000		
85	07349430	Bodcau Creek at Stamps.	234	1961-70	0	0	0	0	.3	.6	2.6	10	26	52	96	208	370	630	864	1,500	2,670	4,050	
86	07356000	Ouchita River near Mount Ida.	410	1942-70	3.3	5.2	7.3	11	20	28	47	79	138	213	318	478	760	1,520	2,850	5,450	8,100	11,600	
87	07356500	South Fork Ouchita River near	64	1950-70	0	.2	.5	1.3	3.0	4.5	7.0	11	16	23	33	52	86	171	350	805	1,360	2,000	
88	07357000	Ouchita River near Mountain Pine.	1,100	1937-50	21	25	28	33	49	76	148	259	400	580	840	1,240	2,030	4,200	7,850	15,000	22,000	31,000	
89	07357501	Ouchita River at Blakely Mountain Dam, near Hot Springs.	1,105	1954-70	3.0	3.4	3.9	5.4	16	18	173	342	465	600	1,240	1,800	2,400	3,000	3,950	6,350	7,500	8,400	
90	07359500	Ouchita River near Malvern.	1,562	1929-52 1954-70	52 110	62 192	74 204	89 221	107 257	137 303	230 402	380 555	500 860	700 1,440	1,000 1,950	1,500 2,480	2,200 3,100	3,000 4,020	4,000 6,550	5,250 9,550	7,000 11,300	9,500 13,300	12,000
91	07359800	Caddo River near Caddo	312	1939-70	8.9	14	17	21	29	37	53	71	101	147	210	306	510	1,040	1,890	4,040	6,400	9,900	
92	07360000	Alpine River at Aradeiphs.	2,311	1905, 1930-52 1984-70	89 210	110 228	126 243	147 282	191 320	250 425	380 685	575 995	820 1,370	1,550 1,910	2,210 2,460	3,070 3,120	4,240 4,000	7,800 6,050	13,800 9,050	26,500 15,000	37,800 23,000	52,500 32,500	
93	07360501	Little Missouri River at Narrows Dam, near Murfreesboro.	237	1951-70	0	0	0	1.0	9.6	9.7	10	42	142	200	302	520	710	990	1,200	1,670	2,540	3,400	
94	07360800	Muddy Fork Creek near Murfreesboro.	121	1941-42, 1947-59	0	0	0	0	.2	1.5	6.3	15	35	61	100	167	345	710	1,500	2,650	4,500		
95	07364000	Little Missouri River near Murfreesboro.	380	1929-31, 1938-49	3.5	4.1	4.6	5.4	8.6	15	26	49	93	172	294	465	740	1,420	2,470	4,650	7,400	11,300	
96	07364500	Little Missouri River near Murfreesboro.	380	1951-70	7.2	9.4	11	13	19	32	79	143	220	310	433	597	820	1,370	2,010	3,110	4,120	5,450	

*22,241 m² probably noncontributing.
 65,936 m² probably noncontributing.

Table 2.—Low-flow frequency at continuous-record gaging stations on selected Arkansas streams

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Period of record	Consecutive days period	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads				
	Number	Name				2	5	10	20	50
<i>Mississippi River main stem</i>										
1	07032000	Mississippi River at Memphis, Tenn.	1 ¹ 932,800	1934-70	1	134,000	107,000	95,000	86,000	77,000
					7	140,000	112,000	99,000	90,000	81,000
					14	150,000	116,000	103,000	92,000	83,000
					30	159,000	125,000	110,000	98,000	87,000
					60	184,000	140,000	120,000	107,000	90,000
120	212,000	165,000	143,000	127,000	110,000					
2	07047970	Mississippi River at Helena.	1 ¹ 941,700	1929-69	1	137,000	109,000	97,700	89,000	80,400
					7	142,000	114,000	102,000	93,200	84,500
					14	150,000	118,000	103,000	94,000	85,000
					30	162,000	128,000	113,000	103,000	91,600
					60	185,000	140,000	120,000	107,000	93,000
120	214,000	164,000	143,000	127,000	113,000					
3	07265450	Mississippi River near Arkansas City.	1 ¹ ,130,600	1929-72	1	160,000	127,000	112,000	101,000	90,600
					7	166,000	131,000	115,000	104,000	92,500
					14	172,000	136,000	119,000	107,000	95,300
					30	184,000	144,000	126,000	113,000	99,800
					60	206,000	159,000	139,000	124,000	109,000
				120	246,000	186,000	160,000	141,000	122,000	
				1930-49	1	137,000	113,000	103,000	94,800	86,900
					7	142,000	116,000	105,000	96,800	88,500
					14	147,000	120,000	108,000	99,200	90,600
					30	157,000	127,000	114,000	105,000	95,100
					60	179,000	142,000	126,000	114,000	103,000
				120	197,000	154,000	137,000	124,000	112,000	
				1951-70	1	175,000	141,000	126,000	114,000	103,000
					7	181,000	146,000	130,000	118,000	106,000
					14	188,000	152,000	136,000	124,000	111,000
30	202,000	162,000	144,000		130,000	116,000				
60	225,000	175,000	153,000		137,000	122,000				
120	263,000	201,000	174,000	154,000	134,000					
<i>St. Francis River basin</i>										
4	07040100	St. Francis River at St. Francis.	1,772	1931-69	1	121	86	72	62	52
					7	131	91	76	67	58
					14	150	99	83	72	63
					30	157	107	92	83	76
					60	210	140	112	94	77
120	313	196	162	142	126					
5	07040450	St. Francis River at Lake City.	2,374	1932-69	1	191	116	90	73	59
					7	206	124	97	79	63
					14	220	127	98	82	68
					30	247	146	115	96	79
					60	330	183	140	120	100
120	470	261	200	164	134					
6	07046600	Right Hand Chute of Little River at Rivervale.	2,106	1948-69	1	295	168	124	96	71
					7	329	194	146	115	87
					14	350	200	150	120	96
					30	410	241	181	142	107
					60	510	275	200	156	118
120	671	374	275	214	161					
7	07047000	St. Francis River floodway near Marked Tree.	(2)	1936-70	1	0	0	0	0	0
					7	0	0	0	0	0
					14	0	0	0	0	0
					30	19	0	0	0	0
					60	85	0	0	0	0
120	320	16	.2	0	0					
8	07047500	St. Francis River at Marked Tree.	(2)	1936-69	1	168	101	81	69	56
					7	198	119	97	84	61
					14	258	137	103	82	65
					30	365	160	114	88	69
					60	460	180	123	92	72
120	690	275	175	127	90					

¹ Approximately.² Indeterminate. Total drainage area of St. Francis River and St. Francis River floodway, 5,148 mi².

Table 2.—Low-flow frequency at continuous-record gaging stations on selected Arkansas streams—Continued

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Period of record	Consecutive days period	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads				
	Number	Name				2	5	10	20	50
<i>St. Francis River basin--Con.</i>										
9	07047600	Tyronza River near Tyronza--	290	1950-70	1	38	25	19	16	13
					7	45	32	27	24	21
					14	49	35	30	26	23
					30	55	39	32	28	24
					60	68	45	36	30	25
120	91	53	40	32	26					
10	07047800	St. Francis River at Parkin.	⁽³⁾	1931-69	1	458	290	235	200	168
					7	526	345	284	245	210
					14	600	370	300	260	212
					30	723	437	337	273	215
					60	860	460	340	280	245
120	1,060	632	477	375	284					
11	07047900	St. Francis Bay at Riverfront.	⁽³⁾	1936-69	1	132	48	31	23	17
					7	157	60	38	28	20
					14	172	67	44	32	25
					30	208	74	48	35	26
					60	285	84	57	44	36
120	470	135	78	56	39					
12	07047902	St. Francis River at latitude of Wittsburg.	⁴ 6,475	1936-69	1	740	423	318	252	195
					7	867	523	405	329	262
					14	950	540	420	360	310
					30	1,080	672	530	437	352
					60	1,300	740	580	490	420
120	1,640	960	742	608	492					
13	07047950	L'Anguille River at Palestine.	786	1950-70	1	<.1	-----	-----	-----	-----
					7	.4	.1	-----	-----	-----
					14	3.7	.1	<.1	-----	-----
					30	20	1.8	.1	<.1	-----
					60	78	11	1.3	<.1	-----
120	208	72	36	19	8.1					
<i>White River basin</i>										
14	07048000	West Fork White River at Greenland.	83.1	1947-70	1	<.1	-----	-----	-----	-----
					7	.1	<.1	-----	-----	-----
					14	.2	<.1	-----	-----	-----
					30	.3	<.1	-----	-----	-----
					60	.7	<.1	-----	-----	-----
120	3.6	.4	<.1	-----	-----					
15	07048500	West Fork White River near Fayetteville.	120	1938-45	1	.5	.3	(.2)	-----	-----
					7	.6	.4	(.3)	-----	-----
					14	.8	.4	(.4)	-----	-----
					30	1.4	.7	(.5)	-----	-----
					60	2.1	.9	(.7)	-----	-----
120	4.0	1.6	(1.1)	-----	-----					
16	07049000	War Eagle Creek near Hindsville.	263	1954-70	1	7.9	2.6	1.2	.6	(.2)
					7	8.5	3.1	1.6	.8	(.4)
					14	9.5	3.6	1.9	1.0	(.5)
					30	11	4.0	2.1	1.2	(.6)
					60	15	5.8	3.4	2.2	(1.0)
120	25	10	6.3	4.4	(3.0)					
17	07049500	White River near Rogers-----	1,020	1954-63	1	36	12	6.4	(3.5)	-----
					7	38	13	6.8	(3.8)	-----
					14	41	14	7.6	(4.4)	-----
					30	48	16	8.5	(4.8)	-----
					60	74	24	13	(7.4)	-----
120	130	47	27	(17)	-----					
18	07050000	White River at Beaver-----	1,244	1923-58	1	58	23	11	5.6	2.2
					7	61	24	13	6.4	2.6
					14	63	27	14	7.9	3.6
					30	74	32	18	10	5.2
					60	89	41	27	19	8.4
120	172	85	60	46	35					

³ Indeterminate.

⁴ Combined area of St. Francis River at Parkin and Francis Bay at Riverfront.

Note.--Figures shown in parentheses were obtained by extrapolation.

Table 2.—Low-flow frequency at continuous-record gaging stations on selected Arkansas streams—Continued

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Period of record	Consecutive days period	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads				
	Number	Name				2	5	10	20	50
<i>White River basin--Con.</i>										
19	07050500	Kings River near Berryville.	527	1940-70	1	9.2	2.7	1.3	0.6	0.3
					7	11	3.4	1.7	.9	.4
					14	13	4.1	2.1	1.1	.5
					30	18	6.0	3.0	1.6	.7
					60	26	9.2	4.9	2.8	1.4
120	53	23	15	10	6.6					
20	07055000	White River near Flippin---	6,081	1930-50	1	279	184	141	110	80
					7	407	266	201	155	112
					14	447	286	213	162	115
					30	523	327	243	185	132
					60	659	405	299	226	160
					120	1,120	752	619	531	450
				1953-70	1	408	216	158	123	(98)
					7	1,060	513	324	212	(125)
					14	1,340	646	396	248	(136)
					30	1,690	807	477	286	(148)
					60	2,200	1,080	642	381	(193)
					120	2,760	1,460	911	574	(314)
					21	07056000	Buffalo River near St. Joe.	829	1941-70	1
7	38	22	15	11	8.0					
14	41	23	16	12	8.4					
30	48	26	18	14	9.5					
60	60	32	22	16	11					
120	106	50	33	24	16					
22	07057000	Buffalo River near Rush-----	1,096	1930-70	1	56	34	25	19	13
					7	59	35	26	20	14
					14	63	37	27	21	15
					30	71	42	31	24	17
					60	84	50	37	29	21
120	144	78	56	43	31					
23	07059000	North Fork River near Henderson.	1,611	1929-42	1	465	390	360	340	(320)
					7	470	395	365	345	(325)
					14	480	405	370	350	(330)
					30	500	420	380	355	(335)
					60	530	440	395	370	(340)
					120	590	470	420	390	(360)
24	07060000	North Fork River at Norfork Dam, near Norfork.	1,808	1956-69	1	76	59	52	(47)	-----
					7	205	85	58	(51)	-----
					14	290	110	68	(57)	-----
					30	380	148	80	(66)	-----
					60	510	185	106	(78)	-----
					120	910	415	270	(230)	-----
25	07060500	White River at Calico Rock--	9,978	1941-50	1	947	745	664	(608)	-----
					7	1,240	917	782	(685)	-----
					14	1,340	980	821	(704)	-----
					30	1,510	1,080	888	(746)	-----
					60	1,830	1,270	1,020	(838)	-----
					120	2,400	1,620	1,330	(1,140)	-----
				1953-70	1	1,320	785	583	450	(333)
					7	2,640	1,520	1,050	745	(479)
					14	2,980	1,760	1,220	861	(552)
					30	3,610	2,150	1,450	983	(589)
					60	4,150	2,470	1,690	1,160	(705)
					120	4,650	3,010	2,250	1,700	(1,190)
					26	07061000	White River at Batesville---	11,070	1938-50	1
7	1,420	960	810	710	(620)					
14	1,580	1,070	900	790	(680)					
30	1,760	1,190	1,000	870	(750)					
60	2,140	1,440	1,150	1,000	(840)					
120	2,800	1,830	1,500	1,270	(1,040)					

Note.--Figures shown in parentheses were obtained by extrapolation.

Table 2.—Low-flow frequency at continuous-record gaging stations on selected Arkansas streams—Continued

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Period of record	Consecutive days period	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads				
	Number	Name				2	5	10	20	50
<i>White River basin--Con.</i>										
27	07064000	Black River near Corning----	1,749	1940-70	1	329	276	256	242	229
					7	336	280	258	243	229
					14	341	284	263	250	239
					30	358	293	270	254	240
					60	388	308	281	265	252
					120	475	352	316	295	278
28	07069000	Black River at Pocahontas---	4,845	1937-70	1	1,630	1,380	1,270	1,190	1,110
					7	1,650	1,390	1,280	1,210	1,130
					14	1,660	1,400	1,300	1,230	1,170
					30	1,720	1,440	1,330	1,260	1,190
					60	1,830	1,500	1,380	1,290	1,220
					120	2,080	1,630	1,470	1,370	1,280
29	07069500	Spring River at Imboden-----	1,183	1937-70	1	338	272	243	223	202
					7	353	296	274	257	242
					14	361	302	279	263	248
					30	375	309	284	267	250
					60	403	321	290	270	250
					120	467	357	317	291	268
30	07072000	Eleven Point River near Ravenden Springs.	1,134	1931-70	1	391	309	276	252	228
					7	400	318	284	259	236
					14	406	323	289	265	241
					30	420	332	296	271	247
					60	467	348	309	281	255
					120	494	375	329	298	269
31	07072500	Black River at Black Rock---	7,369	1931-70	1	2,480	2,080	1,910	1,790	1,670
					7	2,510	2,100	1,930	1,810	1,670
					14	2,540	2,120	1,960	1,850	1,750
					30	2,640	2,180	2,010	1,890	1,760
					60	2,840	2,280	2,060	1,910	1,770
					120	3,260	2,490	2,210	2,020	1,840
32	07073000	Strawberry River near Evening Shade.	217	1940-70	1	9.0	6.4	5.5	5.0	4.3
					7	9.6	6.8	5.8	5.3	4.7
					14	10	7.2	6.3	5.8	5.3
					30	11	7.9	7.0	6.5	6.0
					60	15	9.2	7.6	6.8	6.1
					120	25	14	11	9.0	7.6
33	07073500	Piney Fork at Evening Shade.	99.2	1940-70	1	1.4	.4	.2	<.1	-----
					7	1.9	.5	.2	.1	<.1
					14	2.4	.7	.3	.2	<.1
					30	3.4	1.0	.5	.3	.1
					60	5.3	1.9	1.0	.6	.3
					120	11	4.4	3.2	2.5	1.9
34	07074000	Strawberry River near Poughkeepsie.	473	1937-70	1	49	41	38	37	36
					7	51	43	40	39	38
					14	53	44	41	40	39
					30	56	46	44	43	40
					60	69	50	45	42	41
					120	98	65	54	48	42
35	07074500	White River at Newport-----	19,860	1929-31, 1939-50	1	4,410	3,740	3,490	3,320	(3,130)
					7	4,680	3,880	3,510	3,340	(3,150)
					14	4,770	3,960	3,640	3,420	(3,210)
					30	5,070	4,160	3,810	3,570	(3,340)
					60	5,540	4,440	4,000	3,710	(3,410)
					120	6,930	5,220	4,570	4,110	(3,690)
				1953-70	1	5,050	4,080	3,720	3,470	(3,240)
					7	6,110	4,770	4,190	3,750	(3,310)
					14	6,410	5,010	4,390	3,930	(3,420)
					30	6,870	5,360	4,740	4,300	(3,860)
					60	7,420	5,710	5,070	4,640	(4,300)
					120	8,330	6,290	5,580	5,130	(4,720)

Note.--Figures shown in parentheses were obtained by extrapolation.

Table 2.—Low-flow frequency at continuous-record gaging stations on selected Arkansas streams—Continued

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Period of record	Consecutive days	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads				
	Number	Name				2	5	10	20	50
<i>White River basin--Con.</i>										
36	07075000	Middle Fork Little Red River at Shirley.	302	1940-70	1	0.5	<0.1	-----	-----	-----
					7	1.0	<.1	-----	-----	-----
					14	1.3	<.1	-----	-----	-----
					30	2.3	<.1	-----	-----	-----
					60	5.1	.1	<0.1	-----	-----
					120	20	3.1	1.1	0.5	0.2
37	07075300	South Fork Little Red River at Clinton.	148	1963-70	1	.1	0	-----	-----	-----
					7	.3	0	-----	-----	-----
					14	.8	0	-----	-----	-----
					30	1.9	0	-----	-----	-----
					60	4.3	.2	(0)	-----	-----
					120	18	1.2	(<.1)	-----	-----
38	07075500	South Fork Little Red River near Clinton.	316	1940-61	1	.4	<.1	-----	-----	-----
					7	.6	<.1	-----	-----	-----
					14	.8	<.1	-----	-----	-----
					30	1.5	<.1	-----	-----	-----
					60	5.0	<.1	-----	-----	-----
					120	28	1.6	.4	.2	<.1
39	07076000	Little Red River near Heber Springs.	1,141	1929-61	1	2.3	<.1	-----	-----	-----
					7	3.5	<.1	-----	-----	-----
					14	5.3	<.1	-----	-----	-----
					30	8.4	.2	<.1	-----	-----
					60	23	1.2	.1	<.1	-----
					120	100	15	4.2	.8	<.1
40	07076000	Little Red River near Heber Springs.	1,153	1963-70	1	31	1.1	(.1)	-----	-----
					7	103	7.9	(.1)	-----	-----
					14	144	11	(.1)	-----	-----
					30	205	17	(.2)	-----	-----
					60	305	84	(24)	-----	-----
					120	440	133	(44)	-----	-----
41	07076850	Cypress Bayou near Beebe----	166	1963-70	1	0	-----	-----	-----	-----
					7	0	-----	-----	-----	-----
					14	0	-----	-----	-----	-----
					30	0	-----	-----	-----	-----
					60	.7	0	-----	-----	-----
					120	9.1	1.2	(.3)	-----	-----
42	07077000	White River at DeValls Bluff.	23,483	1951-70	1	6,810	5,300	4,650	4,180	3,710
					7	7,220	5,550	4,830	4,300	3,760
					14	7,410	5,670	4,960	4,460	3,970
					30	7,990	5,980	5,190	4,630	4,100
					60	8,660	6,310	5,450	4,880	4,350
					120	10,200	7,130	6,060	5,360	4,720
43	07077500	Cache River at Patterson----	1,037	1929-31, 1939-70	1	50	36	31	27	23
					7	53	38	33	29	25
					14	57	40	35	31	27
					30	64	43	37	33	30
					60	93	53	44	39	34
					120	150	66	56	52	50
44	07077700	Bayou DeView at Morton-----	421	1940-70	1	.1	<.1	-----	-----	-----
					7	.2	<.1	-----	-----	-----
					14	.4	<.1	-----	-----	-----
					30	1.3	<.1	-----	-----	-----
					60	13	.7	<.1	-----	-----
					120	52	12	4.3	1.7	.5
45	07077800	White River at Clarendon----	25,555	1930-50	1	5,010	3,950	3,470	3,110	2,740
					7	5,100	4,020	3,530	3,160	2,790
					14	5,230	4,120	3,610	3,230	2,840
					30	5,540	4,360	3,840	3,450	3,060
					60	5,980	4,680	4,140	3,750	3,370
					120	7,630	5,650	4,920	4,420	3,950
				1952-70	1	7,030	5,510	4,870	4,410	3,940
					7	7,440	5,730	5,000	4,480	3,960
					14	7,640	5,840	5,120	4,620	4,120
					30	8,240	6,160	5,350	4,790	4,260
					60	8,940	6,560	5,690	5,110	4,580
					120	10,400	7,310	6,220	5,520	4,880

Note.—Figures shown in parentheses were obtained by extrapolation.

Table 2.—Low-flow frequency at continuous-record gaging stations on selected Arkansas streams—Continued

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Period of record	Consecutive days period	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads				
	Number	Name				2	5	10	20	50
<i>White River basin—Con.</i>										
46	07077930	Big Creek near Moro-----	77.4	1963-70	1	<0.1	-----	-----	-----	-----
					7	.1	0	-----	-----	-----
					14	.3	0	-----	-----	-----
					30	1.3	0	-----	-----	-----
					60	4.9	.7	(0)	-----	-----
					120	15	3.8	(1.2)	-----	-----
<i>Arkansas River basin</i>										
47	07195000	Osage Creek near Elm Springs.	130	1952-70	1	26	15	11	7.8	5.3
					7	28	16	12	8.7	5.8
					14	29	17	12	9.4	6.8
					30	30	18	14	11	8.0
					60	33	21	16	13	9.8
					120	39	24	19	15	12
48	07195800	Flint Creek at Springtown---	14.2	1963-70	1	1.9	.9	(.5)	-----	-----
					7	2.1	1.2	(.8)	-----	-----
					14	2.3	1.3	(1.0)	-----	-----
					30	2.4	1.7	(1.5)	-----	-----
					60	2.8	2.1	(2.0)	-----	-----
					120	3.6	2.4	(2.3)	-----	-----
49	07196900	Baron Fork at Dutch Mills---	46.0	1959-70	1	.3	<.1	-----	-----	-----
					7	.4	<.1	-----	-----	-----
					14	.5	<.1	-----	-----	-----
					30	.7	<.1	-----	-----	-----
					60	1.2	.3	.1	<.1	-----
					120	3.5	.9	.4	.2	(<.1)
50	07247000	Poteau River at Cauthron----	203	1940-70	1	<.1	-----	-----	-----	-----
					7	<.1	-----	-----	-----	-----
					14	.1	<.1	-----	-----	-----
					30	.4	<.1	-----	-----	-----
					60	1.8	<.1	-----	-----	-----
					120	9.7	.9	<.1	-----	-----
51	07249400	James Fork near Hackett----	147	1959-70	1	.3	<.1	-----	-----	-----
					7	.6	<.1	-----	-----	-----
					14	.9	.1	<.1	-----	-----
					30	1.5	.2	<.1	-----	-----
					60	2.9	.4	.1	<.1	-----
					120	5.2	.6	.2	<.1	-----
52	07249500	Cove Creek near Lee Creek---	35.3	1952-70	1	<.1	-----	-----	-----	-----
					7	<.1	-----	-----	-----	-----
					14	<.1	-----	-----	-----	-----
					30	<.1	-----	-----	-----	-----
					60	.4	<.1	-----	-----	-----
					120	2.3	.3	.1	<.1	-----
53	07250000	Lee Creek near Van Buren----	426	1932-37, 1952-70	1	.3	<.1	-----	-----	-----
					7	.4	<.1	-----	-----	-----
					14	.6	<.1	-----	-----	-----
					30	1.2	<.1	-----	-----	-----
					60	2.6	.1	<.1	-----	-----
					120	24	3.0	.8	.2	<.1
54	07250550	Arkansas River at Dam 13, near Van Buren.	⁵ 150,547	1929-70	1	2,400	1,150	742	505	318
					7	2,930	1,370	877	592	369
					14	3,270	1,500	952	639	398
					30	3,940	1,740	1,100	734	457
					60	5,200	2,350	1,500	1,020	644
					120	8,200	3,890	2,550	1,770	1,150
55	07251000	Frog Bayou near Mountain- burg.	74.2	1937-61	1	0	-----	-----	-----	-----
					7	0	-----	-----	-----	-----
					14	0	-----	-----	-----	-----
					30	0	-----	-----	-----	-----
					60	0	-----	-----	-----	-----
					120	0	-----	-----	-----	-----

⁵ 22,241 mi² probably noncontributing.

Note.--Figures shown in parentheses were obtained by extrapolation.

Table 2.—Low-flow frequency at continuous-record gaging stations on selected Arkansas streams—Continued

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Period of record	Consecutive days period	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads					
	Number	Name				2	5	10	20	50	
<i>Arkansas River basin--Con.</i>											
56	07251500	Frog Bayou at Rudy-----	216	1952-70	1	0.7	<0.1	-----	-----	-----	-----
					7	.9	<.1	-----	-----	-----	-----
					14	1.1	<.1	-----	-----	-----	-----
					30	1.5	<.1	-----	-----	-----	-----
					60	2.5	.2	<0.1	-----	-----	-----
120	9.5	1.2	.4	0.2	<0.1	-----					
57	07252000	Mulberry River near Mulberry.	373	1940-70	1	1.0	<.1	-----	-----	-----	-----
					7	1.4	<.1	-----	-----	-----	-----
					14	1.9	<.1	-----	-----	-----	-----
					30	3.1	.2	<.1	-----	-----	-----
					60	6.5	.6	<.1	-----	-----	-----
120	27	6.1	3.0	1.7	.8	-----					
58	07253000	Sixmile Creek at Chismville.	24.1	1956-70	1	0	-----	-----	-----	-----	-----
					7	0	-----	-----	-----	-----	-----
					14	0	-----	-----	-----	-----	-----
					30	0	-----	-----	-----	-----	-----
					60	0	-----	-----	-----	-----	-----
120	.4	0	-----	-----	-----	-----					
59	07253500	Sixmile Creek near Branch---	36.7	1956-70	1	0	-----	-----	-----	-----	-----
					7	0	-----	-----	-----	-----	-----
					14	0	-----	-----	-----	-----	-----
					30	0	-----	-----	-----	-----	-----
					60	.2	0	-----	-----	-----	-----
120	.7	0	-----	-----	-----	-----					
60	07255000	Sixmile Creek at Caulksville.	104	1956-70	1	0	-----	-----	-----	-----	-----
					7	0	-----	-----	-----	-----	-----
					14	.1	0	-----	-----	-----	-----
					30	.5	0	-----	-----	-----	-----
					60	1.6	0	-----	-----	-----	-----
120	4.2	.4	0	-----	-----	-----					
61	07255500	Hurricane Creek near Branch.	17.2	1956-70	1	0	-----	-----	-----	-----	-----
					7	0	-----	-----	-----	-----	-----
					14	0	-----	-----	-----	-----	-----
					30	0	-----	-----	-----	-----	-----
					60	0	-----	-----	-----	-----	-----
120	.5	0	-----	-----	-----	-----					
62	07256000	Hurricane Creek near Caulksville.	53.0	1956-70	1	0	-----	-----	-----	-----	-----
					7	0	-----	-----	-----	-----	-----
					14	0	-----	-----	-----	-----	-----
					30	0	-----	-----	-----	-----	-----
					60	.3	0	-----	-----	-----	-----
120	2.3	.1	0	-----	-----	-----					
63	07256500	Spadra Creek at Clarksville.	61.1	1954-70	1	1.2	.2	0	-----	-----	-----
					7	1.4	.2	0	-----	-----	-----
					14	1.7	.3	0	-----	-----	-----
					30	2.3	.4	<.1	0	-----	-----
					60	3.0	.7	.1	0	-----	-----
120	6.1	1.2	.4	.1	0	-----					
64	07257000	Big Piney Creek near Dover--	274	1952-70	1	.8	0	-----	-----	-----	-----
					7	1.5	0	-----	-----	-----	-----
					14	1.9	0	-----	-----	-----	-----
					30	4.1	0	-----	-----	-----	-----
					60	6.1	<.1	0	-----	-----	-----
120	23	4.0	1.2	.4	<.1	-----					
65	07257500	Illinois Bayou near Scottsville.	241	1949-70	1	.9	0	-----	-----	-----	-----
					7	1.2	0	-----	-----	-----	-----
					14	1.6	<.1	0	-----	-----	-----
					30	2.6	<.1	0	-----	-----	-----
					60	5.4	.4	<.1	0	-----	-----
120	27	3.0	.5	<.1	0	-----					

Table 2.—Low-flow frequency at continuous-record gaging stations on selected Arkansas streams—Continued

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Period of record	Consecutive days period	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads				
	Number	Name				2	5	10	20	50
<i>Arkansas River basin--Con.</i>										
66	07258000	Arkansas River at Dardanelle.	5153,670	1938-70	1	3,150	1,420	891	587	356
					7	4,140	1,980	1,270	851	521
					14	4,530	2,150	1,370	912	555
					30	5,300	2,390	1,510	1,000	619
					60	6,950	3,080	1,920	1,260	766
					120	9,740	4,390	2,800	1,910	1,220
67	07258500	Petit Jean River near Booneville.	241	1940-70	1	0	-----	-----	-----	-----
					7	<.1	0	-----	-----	-----
					14	.1	0	-----	-----	-----
					30	.3	0	-----	-----	-----
					60	1.6	0	-----	-----	-----
					120	7.6	.6	<.1	0	-----
68	07259500	Petit Jean River near Waveland.	516	1948-70	1	4.8	2.0	1.2	.8	.5
					7	6.3	2.8	1.8	1.2	.7
					14	7.4	3.3	2.1	1.4	.8
					30	9.5	3.9	2.4	1.5	.9
					60	15	5.3	3.1	2.0	1.0
					120	31	10	6.0	3.9	2.4
69	07260000	Dutch Creek at Waltreak-----	81.4	1947-70	1	0	-----	-----	-----	-----
					7	0	-----	-----	-----	-----
					14	0	-----	-----	-----	-----
					30	<.1	0	-----	-----	-----
					60	.3	0	-----	-----	-----
					120	3.1	.1	0	-----	-----
70	07260500	Petit Jean River at Danville.	764	1918-46	1	2.5	.1	0	-----	-----
					7	3.8	.3	0	-----	-----
					14	6.2	.7	<.1	0	-----
					30	9.7	1.5	.2	0	-----
					60	25	8.2	1.8	.2	0
					120	76	27	14	7.3	3.3
				1948-69	1	5.4	1.0	.4	.1	<.1
					7	6.7	2.0	1.1	.7	.4
					14	8.0	2.6	1.5	1.0	.7
					30	14	3.7	2.0	1.3	.8
					60	21	5.7	3.9	2.8	1.9
					120	54	18	10	6.8	4.2
71	07261000	Cadron Creek near Guy-----	169	1956-70	1	.1	0	-----	-----	-----
					7	.4	0	-----	-----	-----
					14	.8	0	-----	-----	-----
					30	2.5	0	-----	-----	-----
					60	8.4	.2	0	-----	-----
					120	19	3.0	.5	0	-----
72	07261500	Fourche LaFave River near Gravelly.	410	1940-70	1	.5	0	-----	-----	-----
					7	.7	0	-----	-----	-----
					14	1.1	0	-----	-----	-----
					30	2.4	0	-----	-----	-----
					60	4.9	<.1	0	-----	-----
					120	26	2.9	.2	0	-----
73	07262500	Fourche LaFave River near Nimrod.	684	1944-70	1	.9	.4	.2	.1	<.1
					7	1.8	.7	.4	.3	.2
					14	3.4	1.1	.6	.4	.2
					30	5.5	1.7	.9	.5	.3
					60	21	5.5	2.5	1.3	.6
					120	61	20	10	5.8	2.9
74	07263000	South Fourche LaFave River near Hollis.	210	1943-70	1	0	-----	-----	-----	-----
					7	0	-----	-----	-----	-----
					14	<.1	0	-----	-----	-----
					30	.4	0	-----	-----	-----
					60	1.9	0	-----	-----	-----
					120	15	1.7	.3	0	-----

⁵22,241 mi² probably noncontributing.

Table 2.—Low-flow frequency at continuous-record gaging stations on selected Arkansas streams—Continued

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Period of record	Consecutive days period	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads				
	Number	Name				2	5	10	20	50
<i>Arkansas River basin--Con.</i>										
75	07263450	Arkansas River at Murray Dam, at Little Rock.	5158,030	1929-70	1 7 14 30 60 120	3,970 4,410 4,750 5,610 7,480 11,500	2,130 2,320 2,470 2,780 3,600 5,710	1,500 1,610 1,710 1,890 2,410 3,882	1,100 1,180 1,240 1,350 1,720 2,800	762 805 851 918 1,160 1,910
76	07264000	Bayou Meto near Lonoke-----	207	1956-70	1 7 14 30 60 120	2.3 3.8 5.2 8.0 18 31	.1 .5 1.0 1.9 4.4 10	0 0 .2 .5 1.6 5.3	----- ----- 0 .1 .5 2.8	----- ----- ----- 0 (.1) (1.3)
77	07264500	Bayou Meto near Stuttgart---	574	1937-54	1 7 14 30 60 120	0 0 0 .2 11 40	----- ----- ----- 0 .2 4.5	----- ----- ----- 0 0 .9	----- ----- ----- ----- ----- .2	----- ----- ----- ----- ----- 0
78	07265000	Crooked Creek near Humphrey.	79.2	1941-54	1 7 14 30 60 120	0 0 0 0 .3 2.8	----- ----- ----- ----- 0 .2	----- ----- ----- ----- 0 0	----- ----- ----- ----- ----- -----	----- ----- ----- ----- ----- -----
<i>Red River basin</i>										
79	07337000	Red River at Index-----	648,030	1938-43, ⁷ 1946-70	1 7 14 30 60 120	1,750 2,100 2,390 2,860 3,400 4,300	1,210 1,390 1,600 1,940 2,230 2,550	917 1,030 1,160 1,410 1,600 1,870	695 758 839 1,000 1,140 1,420	482 508 542 633 640 1,010
80	07339500	Rolling Fork near DeQueen---	181	1950-70	1 7 14 30 60 120	1.6 2.0 2.5 3.8 6.8 21	.4 .5 .6 .7 1.1 3.8	<.1 <.1 .1 .2 .3 1.1	----- ----- 0 0 <.1 .3	----- ----- ----- ----- ----- 0
81	07340000	Little River near Horatio---	2,674	1933-68	1 7 14 30 60 120	24 26 31 46 80 310	7.0 7.7 8.5 12 22 92	3.5 3.8 4.1 5.4 11 46	1.9 2.1 2.2 2.8 5.8 25	.9 1.0 1.0 1.0 2.8 12
82	07340500	Cossatot River near DeQueen.	361	1939-70	1 7 14 30 60 120	7.4 8.6 10 14 23 62	3.4 4.0 4.8 6.6 10 26	2.2 2.6 3.1 4.3 6.6 16	1.5 1.8 2.1 3.0 4.7 11	0.9 1.2 1.4 2.0 3.2 6.8
83	07341000	Saline River near Dierks----	124	1940-70	1 7 14 30 60 120	.2 .3 .4 .8 2.8 11	0 0 0 <.1 .3 2.4	----- ----- ----- ----- <.1 .8	----- ----- ----- ----- ----- .3	----- ----- ----- ----- ----- <.1

⁵22,241 mi² probably noncontributing.

⁶5,936 mi² probably noncontributing.

⁷No frequency analysis for this period.

Note.—Figures shown in parentheses were obtained by extrapolation.

Table 2.—Low-flow frequency at continuous-record gaging stations on selected Arkansas streams—Continued

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Period of record	Consecutive days period	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads				
	Number	Name				2	5	10	20	50
<i>Red River basin--Con.</i>										
84	07341500	Red River at Fulton-----	⁶ 52,380	1929-43	1	1,030	646	508	418	(336)
					7	1,140	696	539	437	(346)
					14	1,240	739	566	455	(358)
					30	1,380	808	615	494	(388)
					60	1,930	1,140	875	708	(550)
					120	4,140	2,310	1,670	1,270	(918)
				1946-70	1	2,190	1,440	1,060	777	520
					7	2,610	1,710	1,220	870	551
					14	2,910	1,940	1,380	962	590
					30	3,440	2,250	1,610	1,150	730
					60	4,000	2,620	1,950	1,460	1,020
					120	5,480	3,200	2,330	1,760	1,250
85	07349430	Bodcau Creek at Stamps-----	234	1962-70	1	0	-----	-----	-----	-----
					7	<.1	-----	-----	-----	-----
					14	.3	0	-----	-----	-----
					30	.8	<.1	-----	-----	-----
					60	1.7	.2	(<.1)	-----	-----
					120	9.2	.9	(.2)	-----	-----
86	07356000	Ouachita River near Mount Ida.	410	1943-70	1	16	7.8	5.3	3.7	2.5
					7	18	9.0	6.0	4.2	2.7
					14	20	10	7.0	5.0	3.4
					30	27	14	9.2	6.5	4.4
					60	36	18	12	9.1	6.5
					120	84	39	26	19	13
87	07356500	South Fork Ouachita River at Mount Ida.	64	1951-70	1	2.5	.4	0	-----	-----
					7	2.8	.6	0	-----	-----
					14	3.4	.9	.1	0	-----
					30	4.4	1.8	.7	.1	0
					60	6.5	2.9	1.7	1.0	.4
					120	15	6.0	3.4	1.9	.9
88	07357000	Ouachita River near Mountain Pine.	1,100	1937-49	1	44	24	18	15	-----
					7	50	26	19	16	-----
					14	55	28	21	17	-----
					30	70	34	24	19	-----
					60	91	44	31	24	-----
					120	205	93	64	47	-----
89	07357501	Ouachita River at Blakely Mountain Dam, near Hot Springs.	1,105	1955-70	1	19	8.6	3.4	-----	-----
					7	24	9.7	5.9	3.9	(2.4)
					14	52	20	12	7.6	(4.7)
					30	137	70	52	42	(33)
					60	332	174	127	100	(80)
					120	637	326	226	166	(117)
90	07359500	Ouachita River near Malvern.	1,562	1929-51	1	81	56	48	42	36
					7	133	90	73	62	52
					14	159	101	81	69	57
					30	200	128	100	81	64
					60	255	158	120	95	72
					120	400	216	160	125	94
				1955-70	1	203	134	104	83	(62)
					7	320	248	217	193	(169)
					14	355	266	230	203	(179)
					30	453	293	237	201	(168)
					60	646	370	282	227	(179)
					120	960	584	450	362	(283)
91	07359800	Caddo River near Alpine-----	312	1940-70	1	24	14	11	7.9	5.5
					7	27	17	13	9.5	6.7
					14	30	19	15	11	8.3
					30	36	23	18	14	11
					60	43	28	23	19	16
					120	74	47	36	29	23

⁶5,936 m² probably noncontributing.

Note.—Figures shown in parentheses were obtained by extrapolation.

Table 2.—Low-flow frequency at regular gaging stations on selected Arkansas streams—Continued

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map No.	Station		Drainage area (mi ²)	Period of record	Consecutive days period	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads									
	Number	Name				2	5	10	20	50					
<i>Red River basin--Con.</i>															
92	07360000	Ouachita River at Arkadelphia.	2,311	1930-51	1	150	106	88	76	66					
					7	190	133	110	95	81					
					14	227	152	124	105	88					
					30	265	172	140	117	96					
					60	332	220	178	150	124					
					120	565	312	240	190	150					
					1955-70	1	310	223	195	178	(160)				
						7	420	280	237	208	(185)				
						14	480	312	262	230	(200)				
						30	640	385	308	260	(220)				
						60	870	480	360	300	(255)				
						120	1,120	600	450	370	(365)				
					93	07360501	Little Missouri River at Narrows Dam, near Murfreesboro.	237	1951-70	1	8.8	3.3	-----	-----	-----
										7	11	5.7	4.2	3.4	-----
14	17	7.3	5.0	3.6						-----					
30	33	12	7.0	4.3						-----					
60	69	34	23	17						-----					
120	155	83	57	41						-----					
94	07360800	Muddy Fork Creek near Murfreesboro.	121	1941-59	1	0	-----	-----	-----	-----					
					7	<.1	0	-----	-----	-----					
					14	.1	0	-----	-----	-----					
					30	.3	0	-----	-----	-----					
					60	1.4	0	-----	-----	-----					
					120	5.8	.2	0	-----	-----					
95	07361000	Little Missouri River near Murfreesboro.	380	1929-31, 1938-49	1	6.5	4.2	3.4	2.9	(2.5)					
					7	7.2	4.4	3.6	3.0	(2.6)					
					14	8.6	5.1	4.1	3.4	(2.9)					
					30	11	6.7	5.4	4.6	(4.0)					
					60	15	9.3	7.7	6.7	(6.0)					
					120	48	24	17	13	(10)					
				1951-70	1	13	8.2	6.5	5.3	3.4					
					7	24	12	8.9	7.1	5.7					
					14	38	17	11	8.2	5.7					
					30	71	32	21	14	9.4					
					60	127	64	43	31	21					
					120	224	118	80	56	36					
					96	07361200	Ozan Creek near McCaskill---	148	1963-70	1	0	-----	-----	-----	-----
										7	0	-----	-----	-----	-----
14	0	-----	-----	-----						-----					
30	.1	0	-----	-----						-----					
60	.5	<.1	-----	-----						-----					
120	2.8	.6	(.4)	-----						-----					
97	07361500	Antoine River at Antoine----	181	1956-70	1	.1	0	-----	-----	-----					
					7	.2	0	-----	-----	-----					
					14	.4	0	-----	-----	-----					
					30	1.1	.1	0	-----	-----					
					60	2.7	.4	0	-----	-----					
					120	14	3.7	.6	0	-----					
98	07361600	Little Missouri River near Boughton.	1,068	1951-70	1	46	28	23	19	16					
					7	74	38	27	20	17					
					14	87	46	34	27	21					
					30	131	71	51	38	28					
					60	202	110	78	58	41					
					120	302	175	126	94	65					

Note.—Figures shown in parentheses were obtained by extrapolation.

Table 2.—Low-flow frequency at continuous-record gaging stations on selected Arkansas streams—Continued

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Period of record	Consecutive days period	Annual low flow, in cubic feet per second, for recurrence interval, in years, indicated in column subheads				
	Number	Name				2	5	10	20	50
<i>Red River basin--Cor.</i>										
99	07362000	Ouachita River at Camden----	5,391	1930-52	1	259	182	156	138	123
					7	312	212	175	151	129
					14	349	230	188	160	135
					30	413	260	206	171	138
					60	512	327	264	223	187
					120	768	458	362	302	251
				1955-70	1	719	545	471	418	(366)
					7	911	639	531	456	(385)
					14	994	683	564	483	(407)
					30	1,200	794	642	541	(447)
					60	1,510	992	798	668	(546)
					120	2,030	1,330	1,050	847	(658)
100	07362100	Smackover Creek near Smackover.	377	1963-70	1	1.7	.3	(<.1)	-----	-----
					7	2.5	.5	(.1)	-----	-----
					14	3.5	.6	(.2)	-----	-----
					30	5.3	1.0	(.4)	-----	-----
					60	9.6	2.9	(.9)	-----	-----
					120	19	5.6	(2.5)	-----	-----
101	07362500	Moro Creek near Fordyce-----	216	1953-70	1	0	-----	-----	-----	-----
					7	0	-----	-----	-----	-----
					14	0	-----	-----	-----	-----
					30	0	-----	-----	-----	-----
					60	.1	0	-----	-----	-----
					120	.7	<.1	-----	-----	-----
102	07363000	Saline River at Benton-----	569	1952-70	1	11	2.8	.7	<.1	0
					7	14	3.7	1.1	.2	0
					14	18	5.4	1.9	.6	(<.1)
					30	27	8.4	3.6	1.3	(.2)
					60	48	15	6.7	2.5	(.5)
					120	89	30	15	7.8	(3.3)
103	07363300	Hurricane Creek near Sheridan.	204	1963-70	1	1.6	.1	(0)	-----	-----
					7	2.0	.5	(.1)	-----	-----
					14	2.6	.7	(.2)	-----	-----
					30	3.9	1.1	(.5)	-----	-----
					60	7.6	1.9	(.7)	-----	-----
					120	14	4.1	(1.8)	-----	-----
104	07363500	Saline River near Rye-----	2,062	1939-70	1	34	16	10	7.3	4.8
					7	37	17	11	7.9	5.3
					14	41	19	12	8.5	5.6
					30	50	21	14	9.6	6.3
					60	71	29	18	12	8.2
					120	151	67	45	32	22
105	07364150	Bayou Bartholomew near McGehee.	592	1940-70	1	33	11	4.5	1.8	.5
					7	35	12	4.8	1.9	.6
					14	38	13	5.3	2.2	.7
					30	46	15	6.7	2.9	1.0
					60	49	20	11	6.7	3.5
					120	73	35	24	18	12
106	07365800	Cornie Bayou near Three Creeks.	180	1957-69	1	.6	0	-----	-----	-----
					7	.9	<.1	-----	-----	-----
					14	1.2	.1	-----	-----	-----
					30	2.1	.3	0	-----	-----
					60	4.6	1.1	.5	.2	(<.1)
					120	8.9	2.0	.8	.3	(.1)
107	07365900	Three Creeks near Three Creeks.	50.3	1957-70	1	.2	0	-----	-----	-----
					7	.3	<.1	-----	-----	-----
					14	.5	.1	0	-----	-----
					30	.8	.2	.1	<.1	-----
					60	1.4	.5	.3	.2	(<.1)
					120	2.6	1.0	.6	.4	(.3)

Note.—Figures shown in parentheses were obtained by extrapolation.

Table 3.—Estimates of flow duration and low-flow frequency at partial-record stations on selected Arkansas streams

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Annual low flow, in cubic feet per second, for period of consecutive days and recurrence interval indicated in column subheads				Flow, in cubic feet per second, which was exceeded for percentage of time indicated in column subheads		
	Number	Name		7-day		30-day		99	90	
				2-year	10-year	2-year	10-year			
<i>St. Francis River basin</i>										
1	07040300	Big Slough Ditch near Marmaduke.	247	66	31	72	38	34	64	
2	07040400	Locust Creek ditch near Paragould.	78.3	1.0	.1	1.3	.2	.1	.9	
3	07046532	Crooked Lake Bayou at Number Nine.	34.5	.2	<.1	.4	<.1	.1	.2	
4	07047550	Tyronza River ditch 31 at Victoria.	63.5	14	10	16	11	10	14	
5	07047700	Tyronza River at Twist-----	533	57	33	71	40	34	61	
6	07047850	Little Bay ditch near Jonesboro.	27.1	0	0	0	0	0	0	
7	07047910	Blackfish Bayou near Forrest City.	227	2.4	.7	3.9	1.0	.7	2.7	
8	07047920	Fifteen Mile Bayou near West Memphis.	66.1	1.7	.6	2.5	.8	.6	1.9	
9	07047940	L'Anguille River near Wynne.	442	-----		6.4	-----		9.4	
<i>White River basin</i>										
10	07047976	White River at Combs-----	90.3	.1	-----		.3	-----		.2
11	07047980	White River at Elkins-----	184	.9	-----		2.2	-----		1.6
12	07047985	Middle Fork White River near Fayetteville.	73.4	<.1	-----		.2	-----		.1
13	07048600	White River near Fayetteville.	400	.5	-----		1.5	-----		1.0
14	07048700	White River near Goshen----	412	1.3	-----		3.3	-----		2.3
15	07048800	Richland Creek at Goshen---	138	1.0	<.1	1.8	.1	.1	1.6	
16	07048960	War Eagle Creek near Huntsville.	105	1.4	.1	2.0	.2	.1	1.2	
17	07049600	Prairie Creek near Rogers--	19.5	2.0	.6	2.2	.7	.6	1.8	
18	07049700	Blue Spring near Eureka Springs.	(¹)	2.9	1.3	3.1	1.5	1.3	2.5	
19	07050225	Kings River near Kingston--	98.0	1.0	.1	1.7	.2	.1	1.6	
20	07050230	Warm Fork Creek at Rockhouse.	19.1	0	0	0	0	0	0	
21	07050250	Kings River near Pleasant Valley.	346	2.6	.2	4.1	.3	.3	3.7	
22	07050300	Osage Creek near Berryville.	139	.8	.1	1.3	.2	.1	1.5	
23	07053200	Long Creek at Alpena-----	67.2	.8	.1	1.4	.2	<.1	1.5	
24	07053250	Yocum Creek near Oak Grove.	52.8	4.5	1.3	5.4	1.7	1.3	4.5	
25	07054410	Bear Creek near Omaha-----	133	2.8	1.7	3.2	2.0	1.9	3.6	
26	07054420	West Sugarloaf Creek near Lead Hill.	31.9	1.8	.3	3.1	.4	.3	2.8	
27	07055600	Crooked Creek at Pyatt-----	207	13	3.2	14	4.0	3.6	11	
28	07055680	Buffalo River at Pruitt----	190	3.8	.3	5.0	.5	.4	3.0	
29	07055700	Little Buffalo River at Jasper.	126	2.4	.3	3.1	.5	.4	2.2	
30	07056510	Bear Creek near Marshall---	77.9	4.2	.8	5.0	1.0	.8	3.6	
31	07057100	Big Creek near Big Flat----	91.6	4.6	1.1	5.5	1.4	1.2	4.2	
32	07060520	Piney Creek near Calico Rock.	78.3	9.0	7.0	9.7	7.6	7.4	10	
33	07060670	Hughes Creek near Mountain View.	3.20	0	0	0	0	0	0	

¹ Indeterminate.

Table 3.—Estimates of flow duration and low-flow frequency at partial-record stations on selected Arkansas streams—Continued

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Annual low flow, in cubic feet per second, for period of consecutive days and recurrence interval indicated in column subheads				Flow, in cubic feet per second, which was exceeded for percentage of time indicated in column subheads	
	Number	Name		7-day		30-day		99	90
				2-year	10-year	2-year	10-year		
<i>White River basin--Con.</i>									
34	07060700	South Sylamore Creek at Allison.	143	6.1	3.8	7.0	4.6	4.3	7.6
35	07060710	North Sylamore Creek near Fifty Six.	58.1	2.2	.8	2.6	.8	.8	2.1
36	07060720	North Sylamore Creek near Allison.	68.0	3.6	.9	4.2	1.2	1.0	3.3
37	07060900	Polk Bayou at Batesville---	168	36	30	38	32	30	40
38	07068600	Little Black River at Success.	385	38	26	42	30	28	50
39	07068880	Mud Creek near Ingram-----	34.2	.6	.3	.8	.4	.3	.8
40	07068890	Fourche River above Pocahontas.	229	12	6.3	14	7.8	6.9	15
41	07068900	Fourche River near Pocahontas.	304	12	8.1	14	9.4	8.8	15
42	07069200	Mammoth Spring at Mammoth Spring.	(1)	228	196	232	202	196	225
43	07069265	Myatt Creek near Salem-----	101	1.6	1.0	2.0	1.2	1.0	2.1
44	07069270	South Fork Spring River near Salem.	170	6.5	4.2	7.4	5.0	4.6	8.0
45	07069300	South Fork Spring River near Hardy.	324	56	44	60	48	46	64
46	07069350	Martins Creek near Williford.	66.9	3.2	2.2	3.6	2.5	2.4	4.0
47	07069400	Janes Creek near Ravenden Springs.	79.3	1.2	.6	1.6	.8	.7	1.7
48	07072900	Strawberry River near Franklin.	155	3.0	1.8	3.6	2.2	2.0	3.9
49	07073600	Mill Creek at Evening Shade.	12.2	13	12	14	12	12	14
50	07074020	North Big Creek near Evening Shade.	74.8	9.1	6.8	9.9	7.6	7.3	10
51	07074248	South Big Creek near Strawberry.	69.4	20	16	20	17	17	20
52	07074250	Reeds Creek near Strawberry.	34.9	10	9.1	12	10	9.4	12
53	07074260	Cooper Creek near Smithville.	31.9	6.8	5.4	7.4	5.9	5.7	7.7
54	07074400	Curia Creek near Dowdy-----	55.6	5.3	3.8	5.8	4.4	4.2	6.1
55	07074450	Dota Creek near Newark-----	56.6	3.2	2.2	3.6	2.4	2.4	3.8
56	07074600	Village Creek at Walnut Ridge.	35	<.1	<.1	<.1	<.1	<.1	<.1
57	07074700	Village Creek near Newport.	277	4.1	1.9	5.5	2.3	1.8	5.8
58	07074800	Departee Creek near Coffeerville.	101	<.1	<.1	<.1	<.1	<.1	<.1
59	07075200	Devils Fork Little Red River near Brownsville.	209	.1	-----	.3	-----	-----	.1
60	07075390	Archey Creek at Clinton----	118	.8	-----	1.7	-----	-----	1.2
61	07076510	Big Creek near Pangburn----	82.2	.4	-----	.9	<.1	-----	.6
62	07076530	Big Creek near Letona-----	72.6	.6	-----	1.6	-----	-----	.9
63	07076800	Bayou Des Arc near Garner.	96.7	<.1	-----	.2	-----	-----	.1
64	07076880	Bull Creek near McRae-----	95.8	0	0	0	0	0	0
65	07076940	Wattensaw Bayou near Lonoke.	31.6	<.1	<.1	<.1	<.1	<.1	<.1
66	07076950	Wattensaw Bayou near Hazen.	192	.2	<.1	.4	<.1	<.1	.5
67	07077100	Big Creek near Boydsville.	12.8	0	0	0	0	0	0

¹ Indeterminate.

Table 3.—Estimates of flow duration and low-flow frequency at partial-record stations on selected Arkansas streams—Continued

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Annual low flow, in cubic feet per second, for period of consecutive days and recurrence interval indicated in column subheads				Flow, in cubic feet per second, which was exceeded for percentage of time indicated in column subheads	
	Number	Name		7-day		30-day		99	90
				2-year	10-year	2-year	10-year		
<i>White River basin--Con.</i>									
68	07077300	Cache River near Stone-wall.	284	0.9	0.3	1.2	0.4	0.4	1.2
69	07077380	Cache River at Egypt-----	701	24	14	29	16	13	30
70	07077450	Cache River near Newport---	871	21	11	26	13	11	27
71	07077650	Big Creek near Jonesboro---	50.6	.3	<.1	.5	<.1	<.1	.3
72	07077920	Big Creek at Goodwin-----	31.1	<.1	-----	.2	<.1	-----	.4
73	07077940	Spring Creek near Aubrey---	38	<.1	-----	<.1	-----	-----	-----
74	07077950	Big Creek at Poplar Grove.	385	<.1	-----	2.5	<.1	-----	3.8
75	07077970	Big Cypress Creek at Turner.	106	<.1	-----	.3	<.1	-----	.5
76	07078180	Little LaGrue Bayou near DeWitt.	123	<.1	-----	<.1	-----	-----	-----
<i>Arkansas River basin</i>									
77	07188800	Ford Spring near Bentonville.	(¹)	1.9	.2	2.4	.4	.3	1.6
78	07188810	McKissic Creek near Bella Vista.	22.2	3.1	1.0	3.6	1.2	1.0	2.7
79	07194790	Muddy Fork Illinois River near Savoy.	73.5	2.0	.2	2.5	.4	.3	1.6
80	07194800	Illinois River at Savoy----	167	4.3	.6	5.7	.8	.5	3.9
81	07194900	Keith Lake Spring at Cave Springs.	(¹)	1.6	.5	2.1	.6	.4	1.4
82	07194950	Little Osage Creek near Healing Springs.	46.8	14	7.3	16	8.2	7.6	14
83	07195700	Big Spring at Springtown---	(¹)	2.5	1.0	2.8	1.2	1.0	2.4
84	07196950	Evansville Creek at Evansville.	24.4	<.1	<.1	<.1	<.1	<.1	.1
85	07246970	Jones Creek near Waldron---	70.6	<.1	-----	.1	-----	-----	<.1
86	07247010	Poteau River near Bates----	251	-----	-----	.4	-----	-----	.1
87	07247100	Black Fork near Page, Okla.	46.6	<.1	-----	<.1	-----	-----	<.1
88	07247200	Big Creek at Howard-----	11.1	<.1	<.1	<.1	<.1	<.1	<.1
89	07247300	Haws Creek near Black Fork.	10.5	<.1	-----	.1	-----	-----	<.1
90	07249600	Lee Creek at Natural Dam---	168	.1	-----	.4	-----	-----	.4
91	07249700	Mountain Fork Creek at Natural Dam.	38.9	<.1	-----	<.1	-----	-----	<.1
92	07249800	Lee Creek near Short, Okla.	236	.1	-----	.4	-----	-----	.5
93	07249900	Little Lee Creek near Short, Okla.	103	<.1	-----	<.1	-----	-----	<.1
94	07250600	Vache Grasse Creek near Lavaca.	105	.2	-----	.6	-----	-----	.4
95	07250700	Big Creek at Bloomer-----	53.1	0	0	0	0	0	0
96	07251400	Cedar Creek near Rudy-----	51.5	<.1	-----	.1	-----	-----	.1
97	07251800	Little Mulberry Creek near Ozark.	66.3	.2	<.1	.4	<.1	<.1	.4
98	07251900	Mulberry River near Cass---	266	1.4	.2	3.0	.2	.2	2.7
99	07252100	Little Mulberry Creek near Mulberry.	49.7	<.1	-----	<.1	-----	-----	.1
100	07252300	White Oak Creek near Ozark.	75.0	.1	-----	.8	-----	-----	.5

¹ Indeterminate

Table 3.—Estimates of flow duration and low-flow frequency at partial-record stations on selected Arkansas streams—Continued

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Annual low flow, in cubic feet per second, for period of consecutive days and recurrence interval indicated in column subheads				Flow, in cubic feet per second, which was exceeded for percentage of time indicated in column subheads	
	Number	Name		7-day		30-day		99	90
				2-year	10-year	2-year	10-year		
<i>Arkansas River basin--Con.</i>									
101	07256200	Horsehead Creek at Hartman.	127	0.5		1.4			0.6
102	07256700	Shoal Creek near New Blaine.	50.0	<.1		<.1			<.1
103	07257200	Little Piney Creek near Lamar.	154	.8		1.9			1.0
104	07257470	Middle Fork Illinois Bayou near Hector.	57.3	.2		.6			.3
105	07257480	North Fork Illinois Bayou near Scottsville.	87.4	.5		1.1			.8
106	07258700	Sugar Creek near Sugar Grove.	95.0	<.1		<.1			<.1
107	07260600	Spring Creek near Danville.	28.0	<.1		.1			.1
108	07260620	Chickalah Creek near Chickalah.	39.1	0	0	0	0	0	0
109	07260700	Point Remove Creek near Morrilton.	488	1.0		2.8			1.3
110	07261200	East Fork Cadron Creek near Enola.	122	.3		.2			.1
111	07261400	Mill Creek near Boles-----	50.5	<.1		<.1			<.1
112	07261420	Fourche LaFave River at Boles.	176	.2		.8			.5
113	07261600	Gafford Creek near Bluffton.	41.0	<.1		.1		<.1	.1
114	07263290	Maumelle River at Williams Junction.	26.5	0	0	0	0	0	0
115	07263430	Little Maumelle River at Maumelle.	78.6	<.1		<.1			<.1
116	07263600	Fourche Creek at Little Rock.	163	.8	<.1	2.1	<.1	<.1	2.2
117	07263890	Little Bayou Meto at Reydel.	425	0	0	0	0	0	0
118	07264200	Bayou Two Prairie at Carlisle.	151	.4	.2	1.0	.2	.1	1.3
<i>Red River basin</i>									
119	07336900	Walnut Bayou near Foreman--	83.6	<.1		.1	<.1	<.1	.1
120	07338700	Twomile Creek near Hatfield.	16.1	.7	.3	1.1	.4	.4	1.1
121	07338720	Mountain Fork near Hatfield.	160	.7		1.9			2.3
122	07339200	Rolling Fork near Grannis--	30.9	.2		.4	<.1	<.1	.3
123	07340200	West Flat Creek near Foreman.	10.6	0	0	0	0	0	0
124	07340300	Cossatot River near Vandervoort.	89.4	10	5.4	13	7.0	6.2	14
125	07340400	Cossatot River near Umpire.	113	8.6	3.4	13	5.0	6.6	14.
126	07340750	Lick Creek near Wilton-----	19.1	0	0	0	0	0	0
127	07341100	Rock Creek near Dierks-----	9.82	<.1	<.1	<.1	<.1	<.1	<.1
128	07341200	Saline River near Lockesburg.	260	.6	<.1	.9	.1	.1	1.1
129	07341690	Bois D'Arc Creek near Hope.	36.0	1.0	.3	1.6	.5	.5	1.7
130	07342150	Maniece Bayou near Canfield.	109	.6		.8			1.4
131	07342350	McKinney Bayou near Garland.	169	<.1		.1			.3
132	07348600	Bayou Dorcheat at Buckner--	101	.1		.2			.4
133	07349420	Whetton Branch near Bodcaw.	23.3	.3	.2	.4	.2	.2	.4

²Approximately.

Table 3.—Estimates of flow duration and low-flow frequency at partial-record stations on selected Arkansas streams—Continued

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Annual low flow, in cubic feet per second, for period of consecutive days and recurrence interval indicated in column subheads				Flow, in cubic feet per second, which was exceeded for percentage of time indicated in column subheads	
	Number	Name		7-day		30-day		99	90
				2-year	10-year	2-year	10-year		
<i>Red River basin--Con.</i>									
134	07355810	Ouachita River near Mena---	39.2	0.1	<0.1	0.4	<0.1	<0.1	0.4
135	07355900	Big Fork tributary at Big Fork.	.16	<.1	<.1	<.1	<.1	<.1	<.1
136	07356300	Irons Fork near Aly-----	² 47	<.1	<.1	<.1	<.1	<.1	<.1
137	07357710	Glazypeau Creek at Mountain Pine.	² 26	2.2	1.1	3.0	1.5	1.4	3.1
138	07358010	Fourche a Loupe Creek near Hot Springs.	4.39	.1	<.1	.2	<.1	<.1	.2
139	07358700	Gulpha Creek near Hot Springs.	50.2	1.1	.5	2.5	.8	.7	2.7
140	07359570	Tenmile Creek near Donaldson.	7.49	<.1	<.1	<.1	<.1	<.1	<.1
141	07359590	Caddo River near Black Springs.	14.6	5.8	4.4	6.4	5.0	4.9	6.5
142	07359600	Caddo River at Caddo Gap---	115	22	13	28	17	16	29
143	07360100	L'Eau Frais Creek at Joan.	79.4	2.6	.7	4.0	1.4	1.3	4.2
144	07360160	Cypress Creek at Manning.	59.6	1.3	.1	2.4	.3	.3	2.4
145	07360200	Little Missouri River near Langley.	66.5	9.9	4.6	12	5.4	5.1	13
146	07361025	Prairie Creek near Murfreesboro.	² 33	.2	<.1	.6	<.1	<.1	.6
147	07361160	North Fork Ozan Creek near McCaskill.	72.3	.1	-----	.4	-----	-----	.4
148	07361540	Wolf Creek near Antoine----	² 37	.8	-----	1.6	-----	-----	1.5
149	07361630	Terre Rouge Creek near Hope.	37.4	.9	.2	1.7	.4	.3	1.8
150	07361640	Little Terre Rouge Creek near Emmet.	38.0	.2	<.1	.5	<.1	<.1	.6
151	07361650	Terre Rouge Creek near Prescott.	231	1.1	.2	2.3	.4	.4	2.5
152	07361700	Caney Creek near Bluff City.	167	.1	-----	.5	-----	-----	.5
153	07361800	Terre Noire Creek near Gurdon.	250	.5	-----	1.8	-----	-----	1.7
154	07361850	Tulip Creek near Pine Grove.	152	1.5	.5	2.5	.8	.7	2.7
155	07361900	Bayou Freeo near Eagle Mills.	94.8	.4	<.1	.8	.1	.1	.8
156	07362060	Two Bayou at Camden-----	² 110	<.1	-----	.6	<.1	<.1	.4
157	07362070	Locust Bayou at Locust Bayou.	² 81	0	0	0	0	0	0
158	07362080	Gum Creek near Stephens----	² 37	.1	-----	.3	<.1	<.1	.3
159	07362090	Camp Creek near Smackover--	46.0	.2	-----	.6	.1	.1	.7
160	07362300	Champagnolle Creek at Hampton.	86.0	0	0	0	0	0	0
161	07362540	Whitewater Creek near Tinsman.	² 25	0	0	0	0	0	0
162	07362550	Moro Creek near Banks-----	374	0	0	0	0	0	0
163	07362600	Alum Fork at Crows-----	123	1.1	.3	1.6	.3	.3	1.8
164	07362700	Middle Fork at Crows-----	109	4.4	1.6	5.6	2.0	1.9	6.0
165	07362800	South Fork near Hot Springs.	12.9	1.3	.7	1.6	.8	.7	1.6
166	07362870	North Fork at Paron-----	20.1	0	0	0	0	0	0
167	07362900	North Fork near Benton-----	132	.6	<.1	1.0	.1	.1	1.2
168	07363100	Francois Creek near Poyen--	84.1	.1	<.1	.4	<.1	<.1	.1

²Approximately.

Table 3.—Estimates of flow duration and low-flow frequency at partial-record stations on selected Arkansas streams—Continued

[This table includes data for both regulated and unregulated streams. See brief station descriptions]

Map no.	Station		Drainage area (mi ²)	Annual low flow, in cubic feet per second, for period of consecutive days and recurrence interval indicated in column subheads				Flow, in cubic feet per second, which was exceeded for percentage of time indicated in column subheads	
	Number	Name		7-day		30-day		99	90
				2-year	10-year	2-year	10-year		
<i>Red River basin--Con.</i>									
169	07363110	Big Creek at Poyen-----	32.1	0.7	-----	1.1	-----	1.1	
170	07363180	Lost Creek near Sheridan---	68.2	0	0	0	0	0	0
171	07363440	Derriousseaux Creek near Rison.	144	0	0	0	0	0	0
172	07363460	Big Creek near Pine Bluff--	14.8	0	0	0	0	0	0
173	07363465	Big Creek near Pansy-----	157	0	0	0	0	0	0
174	07363700	Hudgin Creek near Pansy----	90.3	<.1	<.1	<.1	<.1	<.1	<.1
175	07364010	Brown Creek near Lacey-----	² 14	0	0	0	0	0	0
176	07364020	Eagle Creek at Hermitage---	167	0	0	0	0	0	0
177	07364060	Bayou Lapile at Strong-----	93.3	.4	<.1	.8	.1	.1	.8
178	07364130	Deep Bayou near Star City--	113	Data inconclusive					
179	07364170	Cutoff Creek near Selma----	88.4	<.1	-----	<.1	<.1	<.1	<.1
180	07364250	Chemin-a-Haut Creek near Berlin.	216	.2	-----	.9	<.1	<.1	.8
181	07364260	Hanks Creek near Hamburg---	² 14	Data inconclusive					
182	07364600	Bayou de Loutre near El Dorado.	78.4	2.7	.8	4.0	1.3	1.4	4.0
183	07366100	Little Cornie Bayou near Junction City.	98.2	1.1	-----	2.0	.2	.2	2.0

²Approximately.

