

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
OFFICE OF PUBLIC WORKS AND INTERMODAL
PUBLIC WORKS AND WATER RESOURCES DIVISION



WATER RESOURCES

**TECHNICAL REPORT
NO. 70**



**LOW-FLOW CHARACTERISTICS OF
LOUISIANA STREAMS**



Prepared by the
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY
In cooperation with the
LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

2003

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Low-Flow Characteristics of Louisiana Streams

By
Paul A. Ensminger and Lucille S. Wright
U.S. GEOLOGICAL SURVEY

Published by the
LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
Baton Rouge, Louisiana

2003

STATE OF LOUISIANA
M.J. "MIKE" FOSTER, JR., Governor

KAM K. MOVASSAGHI, Secretary
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Edmund J. Preau, Jr., Director
PUBLIC WORKS AND WATER RESOURCES DIVISION

Zahir "Bo" Bolourchi, Chief
WATER RESOURCES SECTION

Cooperative project with the

U.S. DEPARTMENT OF THE INTERIOR
GALE A. NORTON, Secretary

U.S. GEOLOGICAL SURVEY
Charles G. Groat, Director

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For additional information contact:

Zahir "Bo" Bolourchi, P.E.
Chief, Water Resources Programs
Louisiana Department of
Transportation and Development
P.O. Box 94245
Baton Rouge, LA 70804-9245
E-mail: BoBolourchi@dotd.state.la.us
Fax: (225) 379-1523
Telephone: (225) 379-1434
Home page:
www.dotd.state.la.us/intermodal/division

Charles R. Demas
District Chief
U.S. Geological Survey
3535 S. Sherwood Forest Blvd., Suite 120
Baton Rouge, LA 70816-2255
E-mail: dc_la@usgs.gov
Fax: (225) 298-5490
Telephone: (225) 298-5481
Home page: la.water.usgs.gov

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CONVERSION FACTORS AND DATUMS

Multiply	By	To obtain
inch (in.)	25.4	millimeter (mm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
square mile (mi ²)	2.590	square kilometer (km ²)
acre-foot (acre-ft)	1,233	meter ³ (m ³)
cubic foot per second (ft ³ /s)	0.02832	cubic meter per second (m ³ /s)

Temperature in degrees Fahrenheit (°F) can be converted to degrees Celsius (°C) as follows: $^{\circ}\text{C} = (^{\circ}\text{F} - 32)/1.8$.

Vertical coordinate information is referenced to the National Geodetic Vertical Datum of 1929 (NGVD 29)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

Horizontal coordinate information is referenced to the North American Datum of 1983 (NAD 83).

LOW-FLOW CHARACTERISTICS OF LOUISIANA STREAMS

By Paul A. Ensminger *and* Lucille S. Wright

ABSTRACT

The low-flow characteristics were estimated for 124 continuous-record streamflow-gaging stations and 227 partial-record stations in Louisiana. These low-flow characteristics supersede the previously published characteristics. Of the 124 continuous-record stations, 110 had 10 or more years of mean-daily streamflow record and 14 had less than 10 years of record. Low-flow frequency characteristics for the 110 continuous-record stations were estimated for periods of 1, 3, 7, 10, 14, 20, 30, 60, 120, and 183 consecutive days, with recurrence intervals of 2, 5, 10, and 20 years. The other 14 continuous-record stations were analyzed as partial-record stations, and the low-flow frequency characteristics were estimated for 7 consecutive days, with 2- and 10-year recurrence intervals. Seasonal estimates of the 2-, 10-, and 20-year low-flow recurrence intervals of the annual minimum average 1-, 7-, and 14-consecutive day mean-daily streamflows were determined for the 110 stations. The 3-month periods of March-May, June-August, September-November, and December-February represented the four seasons.

Flow-duration characteristics for 1, 5, 10, 25, 50, 75, 90, 95, and 99 percentiles were computed from mean-daily streamflow values for all 124 continuous-record stations. Flow duration refers to the percentage of time that a specified streamflow at a site was equaled or exceeded during a given period of record.

Low-flow frequency characteristics for the 7-consecutive-day, 2- and 10-year recurrence intervals were estimated for the 227 partial-record stations. Base-flow measurements for these stations and the 14 continuous-record stations having less than 10 years of mean-daily streamflow record were correlated with mean-daily streamflow values for nearby continuous-record index stations having 10 or more years of record and similar basin characteristics. Time-sampling errors for these statistics were computed, and the standard errors are presented in the report.

INTRODUCTION

Louisiana has abundant surface-water resources. Most of the freshwater demands are met by surface-water sources which provide substantial quantities of water for agricultural, municipal, and industrial use (Sargent, 2002). The abundance of readily accessible surface water does not guarantee its suitability for use. Increasing demands in terms of quantity and quality are placing greater stresses on the State's water resources, especially during low-flow periods of late summer and early fall. Not only is water availability a concern during these low-flow periods, but water quality may become seriously degraded from continued point- and nonpoint-source discharges of effluent into the streams during periods of low flow. Therefore, an understanding of low-flow conditions is needed to enable water managers to more effectively manage and protect the State's surface-water resources. On a wider scale, the study also may help to improve the understanding of low-flow characteristics at streams in similar settings in other areas of the country.

The U.S. Geological Survey (USGS), in cooperation with various Federal and State agencies, principally the Louisiana Department of Transportation and Development (DOTD), maintains a network of streamflow-gaging stations to collect streamflow information throughout the State. Information collected from these stations can be used to analyze stream hydrologic characteristics such as flood or drought

frequency. The most common means of quantifying low-flow characteristics is the application of statistical techniques to estimate the magnitude and frequency of occurrence. A low-flow frequency characteristic is an estimate of the annual minimum average daily streamflow of a selected consecutive-day period for a given recurrence interval, in years. For example, the 7-day, 2-year ($7Q_2$) and 7-day, 10-year ($7Q_{10}$) low flows are defined as the annual minimum average daily streamflows for 7 consecutive days that have a recurrence interval of 2 and 10 years in length, respectively. A recurrence interval is the average interval of time within which a specified consecutive-day (N-day) flow will be less than the indicated flow only once. As part of a cooperative water-resources program between the USGS and DOTD, a study was begun in 1999 to analyze low-flow characteristics of Louisiana streams.

Purpose and Scope

This report presents the low-flow characteristics for 124 continuous-record streamflow-gaging stations (referred to in this report as continuous-record stations) and 227 partial-record stations in Louisiana. Partial-record stations are ungaged sites at which base flows are measured. Of the 124 continuous-record stations, 110 had 10 or more years of mean-daily streamflow record and 14 had less than 10 years of record. Low-flow frequency characteristics for the 110 continuous-record stations were estimated from mean-daily streamflow record through March 31, 1999, and were based on the climatic year (April through March). For these stations, low-flow frequency characteristics were estimated for periods of 1, 3, 7, 10, 14, 20, 30, 60, 120, and 183 consecutive days, with recurrence intervals of 2, 5, 10, and 20 years. For the other 14 continuous-record stations, referred to in this report as correlated stations, the $7Q_2$ and $7Q_{10}$ low flows were estimated. Seasonal estimates of the 2-, 10-, and 20-year low-flow recurrences of the annual minimum average 1-, 7-, and 14-consecutive-day periods also were determined for the 110 continuous-record stations. Flow-duration characteristics were computed for all 124 continuous-record stations from mean-daily streamflow values through September 30, 1999. The $7Q_2$ and $7Q_{10}$ low-flow statistics were computed for the 227 partial-record stations. The streamflow records and miscellaneous measurements collected and assembled through the 1999 water year by the USGS have been input into a data base. These records are on file at the USGS office in Baton Rouge, Louisiana. The low-flow characteristics tabulated in this report supersede all previously published low-flow characteristics for these stations.

Previous Studies

A previous USGS report on low-flow characteristics of Louisiana streams was published in 1985 and included a review of streamflow data collected through 1981 (Lee, 1985a). The report evaluated low-flow characteristics of the continuous-record stations for which data were available at that time; no supplemental low-flow measurements were collected. In his report, Lee (1985a) developed regionalization models for ungaged sites. These models were based on continuous- and partial-record station streamflow data analyses by Forbes (1980). Forbes used data collected through 1975 to investigate low-flow characteristics of continuous- and partial-record stations; this was the last low-flow investigation for which streamflow measurements were collected at partial-record stations in Louisiana.

Description of Study Area

Louisiana lies within the Coastal Plain physiographic province, and includes parts of four physiographic divisions: (1) Pine Hills, (2) Prairies, (3) Coastal Marshes, and (4) Alluvial Plains (Fenneman, 1938) (fig. 1). Parts of north-central, western, and southeastern Louisiana are in the Pine Hills. The terrain is typically rolling hills, heavily forested with pine and some hardwood trees. Parts of southern and southwestern Louisiana are in the Prairies. The land-surface elevation in the Prairies ranges from about

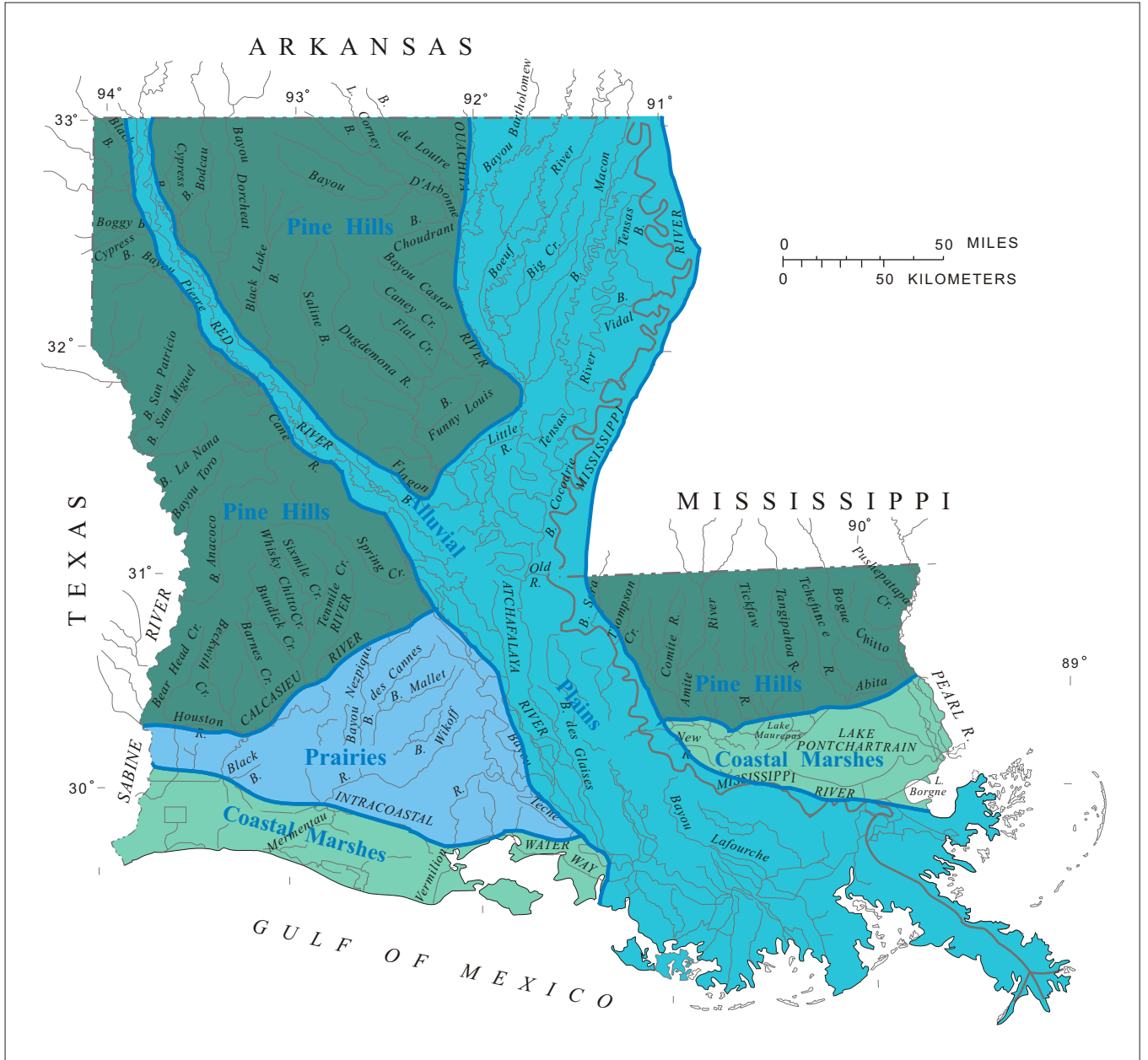


Figure 1. Physiographic divisions and streams in Louisiana. (Source: Fenneman, 1938)

20 to 30 feet above NGVD 29. This area is generally treeless except along streams. Much of coastal Louisiana is in the Coastal Marshes. These areas are extremely flat and subject to tidal flooding from the Gulf of Mexico. The flood plains adjacent to the Mississippi, Ouachita, Red, and Atchafalaya Rivers are in the Alluvial Plains. This terrain also is extremely flat, with interconnecting streams that allow flow between the river basins (Lee, 1985b).

The major land uses in the State include forests, cropland, grazing land, and wetlands (Louisiana Department of Transportation and Development, 1984, p. 24). Even though most land is well suited to agriculture, some areas support industry, oil and gas production, and aquaculture (U.S. Geological Survey, 1993, p. 293).

Louisiana has a humid-subtropical climate with average temperatures ranging from 63.1 °F in the northwestern parts to 70.0 °F in the southeastern parts (Southern Regional Climate Center, 2002). Mean annual precipitation ranges from about 52 inches in the north to about 72 inches in southeastern Louisiana (Louisiana Office of State Climatology, 2002).

The principal rivers draining the State are the Pearl River, the Mississippi River, the Red River-Atchafalaya River system, and the Sabine River (fig. 1). The Mississippi River is the largest river in the State, but few streams within the State are tributary to it. The Red River, which drains a large part of northern Louisiana, drains into the Atchafalaya River near the Old River outflow channel. At this confluence, about 30 percent of the Mississippi River's flow is diverted into the Atchafalaya River Basin. The Pearl River and Sabine River are parts of the eastern and western boundaries of Louisiana, but drain only a small part of the State. All the aforementioned large streams now are regulated by controls and diversions. (Ensminger, 1998, p. 4.)

Acknowledgments

The authors thank Zahir "Bo" Bolourchi, Chief, Public Works and Water Resources Division, Louisiana Department of Transportation and Development, whose valuable suggestions enhanced the quality of this report. Appreciation also is extended to the U.S. Army Corps of Engineers, who are partly responsible for the collection and distribution of data used in this report.

LOW-FLOW CHARACTERISTICS FOR CONTINUOUS-RECORD STATIONS

Streamflow is a continuous process varying over time and along the river reach. The USGS maintains a network of continuous-record stations at 124 locations (fig. 2) listed in table 1 at the back of this report. Each station records river stage at a preselected time interval or unit value. These discrete unit values of stage can be converted to discrete unit values of streamflow through a stage-streamflow relation. To be of use, the data are further analyzed and discretized into daily, monthly, and annual time periods; and minimum, maximum, and mean values. For this low-flow study, the mean-daily streamflows were investigated. Mean-daily streamflows represent an average of all discharges measured during a period of 1 day.

A plot of the mean-daily streamflow values against date for the period of record (continuous hydrograph) typically shows a recurring annual pattern of high flows in late winter and early spring, and low flows in late summer and early fall. These annually recurring hydrologic cycles correspond to the annual climatic cycles. A water year, which starts at a low-flow time of October 1 and ends September 30 of the subsequent year, divides the continuous hydrograph into discrete annual segments (water-year

hydrograph). Although daily or monthly streamflows are serially correlated, the hydrologic events occurring within each water year are considered independent of other water years. For low-flow studies, the continuous hydrograph typically is divided into discrete annual segments based on a climatic year (climatic-year hydrograph). The climatic year starts at a peak-flow time of April 1, ends March 31 of the subsequent year, and is designated by the calendar year in which it ends. Basing low-flow studies on a climatic year minimizes the probability of partitioning the continuous hydrograph into annual segments during a low-flow event (fig. 3).

This report presents low-flow characteristics for 124 continuous-record stations in Louisiana. The annual and seasonal low-flow frequency statistics in this report are based on the climatic year; the flow-duration statistics are based on the water year. Although the period of record was analyzed for most stations, a fixed period was analyzed for some, as noted in table 2.

Statistical analyses of seasonal fluctuations are valuable to water planners by providing information that can be used for a better understanding of low-flow conditions for a group of months; however, when annual streamflow records are partitioned into shorter time periods of months or seasons, the possibility of partitioning during an annual low-flow event increases. This increased discretization into months or seasons increases the low-flow streamflow estimate compared to the annual low-flow streamflow estimate. For this reason, the seasonal statistical flow values are equal to or greater than annual statistical flow values (table 2).

Frequency Analysis

An important assumption in stochastic analysis of low-flow events is that samples are random and independent. Therefore, the drainage basins must be essentially free from appreciable climatic trends and drainage basin changes due to urbanization, channelization, levees, reservoir construction, diversions, and alteration of land use, which can affect flow conditions (Ensminger, 1998, p. 6). If the data are random and independent, each low-flow event will have an expected value of the average low-flow event of the population. The population refers to all possible historical low-flow events occurring on that stream. The assumption is made that the data meet these restrictions for a natural basin, and that the sample estimates of the population mean, standard deviation, and skew are not biased. A significant trend with time indicates that streamflow data may be influenced by factors other than natural flow conditions, violating the assumption of a random, independent sample.

For this study, the 7-day low-flow hydrographs for the 124 continuous-record stations were analyzed to detect significant trends. Significant trends were detected at 32 gaging stations, using a non-parametric Kendall Tau statistical test (Hirsch and others, 1982). A review of records for these 32 stations identified 6 stations where streamflow is regulated by dams that were constructed during the period of record. For these 6 stations, low-flow statistics were computed for the regulated period of record. The regulated period of record was selected to reflect current, regulated streamflow patterns, although the assumption of a random independent sample is not met. For the remaining 26 stations having significant trends with no direct cause identified, the full period of record was analyzed. These 32 stations are identified in table 2 in "Remarks" as having significant trends.

Frequency curves relate the magnitude of a variable to the frequency of occurrence (Riggs, 1968). In low-flow investigations, the frequency curve relates the annual minimum average daily streamflow for a given number of consecutive days (N-days) to the recurrence interval in years (T-years). For example, the 7-day, 20-year ($7Q_{20}$) low flow is the annual minimum average daily streamflow for 7 consecutive days which has a 5-percent chance of nonexceedance in a given year. The $7Q_{20}$ is expected to have one nonexceedance in a 20-year period, or five nonexceedances in a 100-year period. The logarithms for the

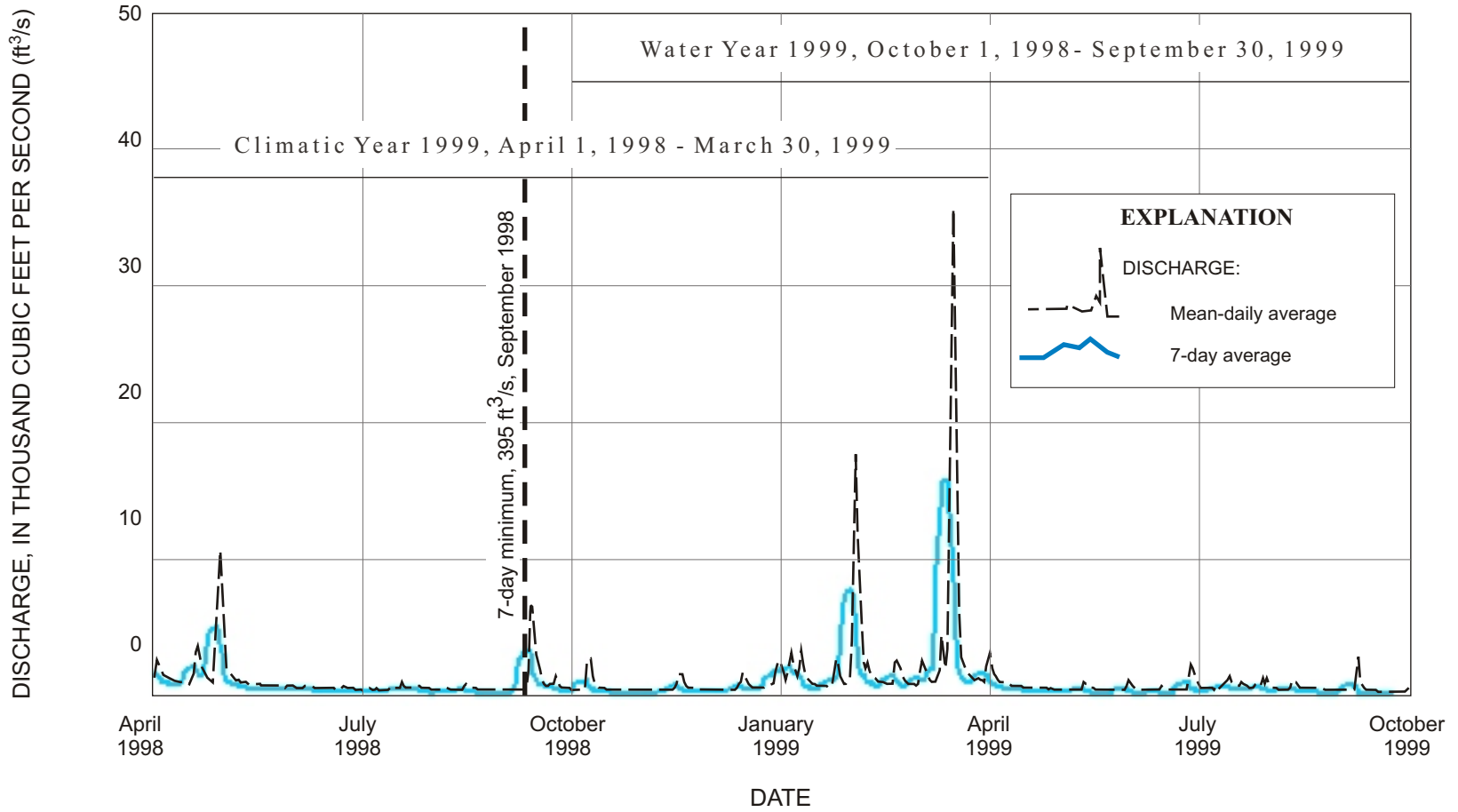


Figure 3. Climatic- and water-year hydrograph of Amite River at Denham Springs, Louisiana, April 1998 to October 1999.

N-day low flows were fitted to a Pearson Type III frequency distribution (Matalas, 1963). The resulting log-Pearson Type III (LP3) distribution requires an estimate of three population statistical parameters from the sample of low-flow events: the mean, standard deviation, and skew. The sample mean (\bar{X}_N), standard deviation (S_N), and skew coefficient (G) are estimates derived from the observed annual low-flow sample data by the equations:

$$\bar{X}_N = \sum_{i=1}^j X_{N,i}/j; \quad (1)$$

$$S_N = \left[\left(\sum_{i=1}^j (X_{N,i} - \bar{X}_N)^2 / (j-1) \right)^{1/2} \right]; \text{ and} \quad (2)$$

$$G = \left(j \sum_{i=1}^j (X_{N,i} - \bar{X}_N)^3 / [(j-1)(j-2)S_N^3] \right), \quad (3)$$

where

- $X_{N,i}$ is the log transformation of the annual N-day low-flow data, in cubic feet per second;
- j is the number of years of record at the streamflow-gaging station;
- \bar{X}_N is the mean of the logarithms of the annual N-day low flows, in cubic feet per second;
- S_N is the standard deviation of the logarithms of the N-day low flow; and
- G is the station-skew of the logarithms of the N-day low flow.

The selected N-day, T-year low-flow characteristics can be computed from the following equation:

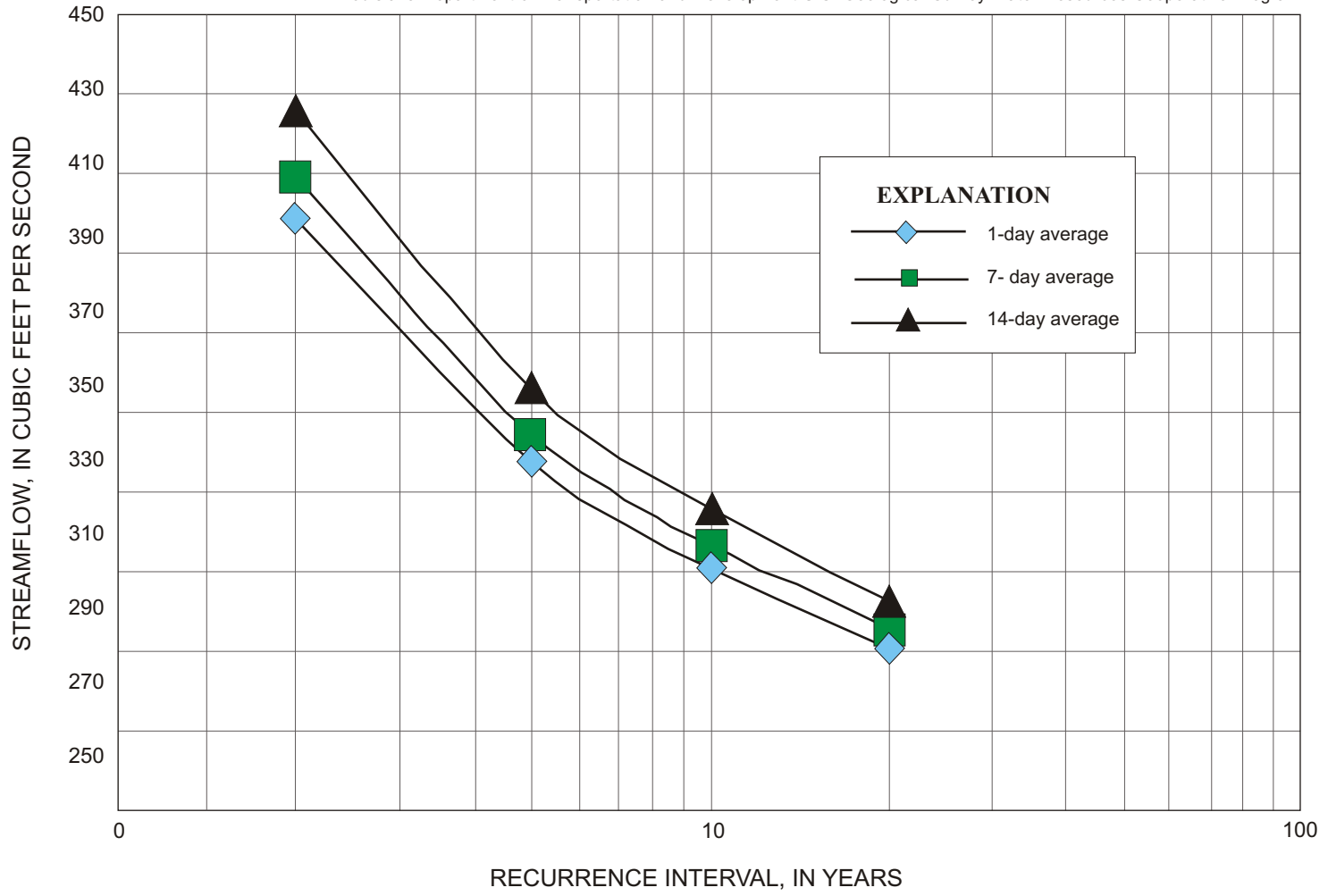
$$\log Q_{N,T} = \bar{X}_N + K_{T,G} S_N, \quad (4)$$

where

- $Q_{N,T}$ is the computed low-flow characteristic, in cubic feet per second, of the N-day values and selected recurrence interval T ; and
- $K_{T,G}$ is the Pearson Type III frequency factor, which is a function of the station-skew coefficient G of the annual N-day low flows and selected recurrence interval T .

If a station record contained N-day low-flow values equal to zero, the nonexceedance probabilities were adjusted for the number of zero low-flow values. The mean, standard deviation, and station skew coefficient were re-computed with the adjusted nonexceedance probabilities (Matalas, 1963).

Annual low-flow characteristics for the 110 continuous-record stations were computed for periods of 1, 3, 7, 10, 14, 20, 30, 60, 120, and 183 consecutive (N) days, with recurrence intervals of 2, 5, 10, and 20 (T) years. These annual consecutive-day series were based on the climatic year (table 2). Figure 4 shows frequency curves for the 1-, 7-, and 14-consecutive-day periods using the 2-, 5-, 10-, and 20-year recurrence intervals for station 07378500, Amite River at Denham Springs.



6

Figure 4. Low-flow frequency curves for the Amite River at Denham Springs, Louisiana, 1938-99.

Seasonal low-flow characteristics of the 110 continuous-record gaging stations having 10 or more years of mean-daily streamflow record through August 31, 1999, were computed using periods of 1, 7, and 14 consecutive days with recurrence intervals of 2, 10, and 20 years. The four seasons are represented by the 3-month periods of March-May, June-August, September-November, and December-February (table 2).

The nonexceedance LP3 frequency curve was reviewed against the nonexceedance recurrence interval (RI) of the N-day annual low-flow data, using the Weibull plotting position:

$$RI = (j + 1)/m , \quad (5)$$

where

- j is the number of years of record; and
- m is the order number when annual low-flow events are arrayed according to size (fig. 5).

The low-flow frequency curve was reviewed against each N-day low-flow value and adjusted graphically if the low-flow data did not fit the Pearson Type III distribution (Riggs, 1972).

The 14 correlated continuous-record stations were analyzed as partial-record stations. Nearby continuous-record stations having 10 or more years of record and similar basin characteristics were selected as index stations. These continuous-record index stations were selected using Geographical Information Systems (GIS) to investigate and compare basin geology, hydrologic unit (U.S. Geological Survey, 1974), and distance between stations. Measurements of base flow (normal flow that is not influenced by runoff) at the 14 partial-record stations were correlated with the mean-daily streamflow values for the index stations. A method developed by Stedinger and Thomas (1985), referred to as the Stedinger and Thomas method in this report, was used for 13 of these 14 stations; the graphical correlation method (Riggs, 1972) (fig. 6) was used for the remaining station. See the section, "Low-Flow Characteristics for Partial-Record Stations" for detailed discussion of the methods. These results are presented in table 3, and locations of all continuous-record stations are shown in figure 2.

Flow-Duration Analysis

Streamflow data through September 30, 1999, were used to generate flow-duration analyses. A flow-duration curve is a cumulative-frequency curve that shows the percentage of time that a specified streamflow at a site was equaled or exceeded during a given period of record (Searcy, 1959). The shape of a flow-duration curve is indicative of hydrologic and geologic characteristics of a drainage basin. For example, a curve with a steep slope represents an ephemeral stream where flow is primarily the result of direct surface runoff. A gentle slope in the part of the duration curve representing base-flow conditions of the stream indicates a perennial stream, with significant surface- or ground-water storage in the drainage basin (fig. 7). Flow-duration characteristics for 1, 5, 10, 25, 50, 75, 90, 95, and 99 percentiles were computed from mean-daily streamflow values through September 30, 1999 for all the 124 continuous-record stations. The flow-duration characteristics presented are based on the period of record or a fixed period as noted in table 2. Time frames selected for flow-duration analysis were similar to time frames selected for low-flow frequency analysis.

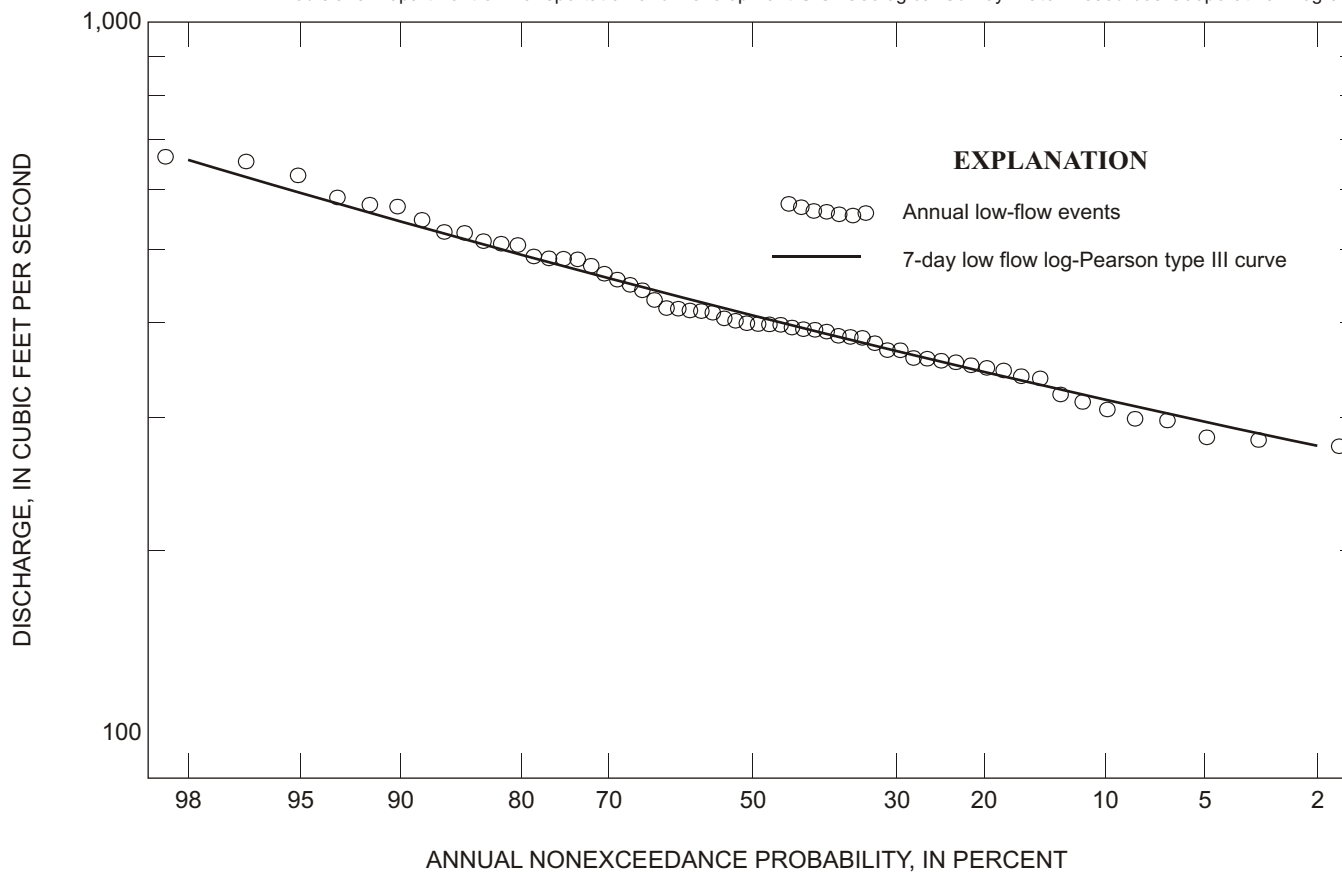


Figure 5. Low-flow frequency curve of annual minimum average 7-day mean-daily streamflow of the Amite River at Denham Springs, Louisiana, 1938-99.

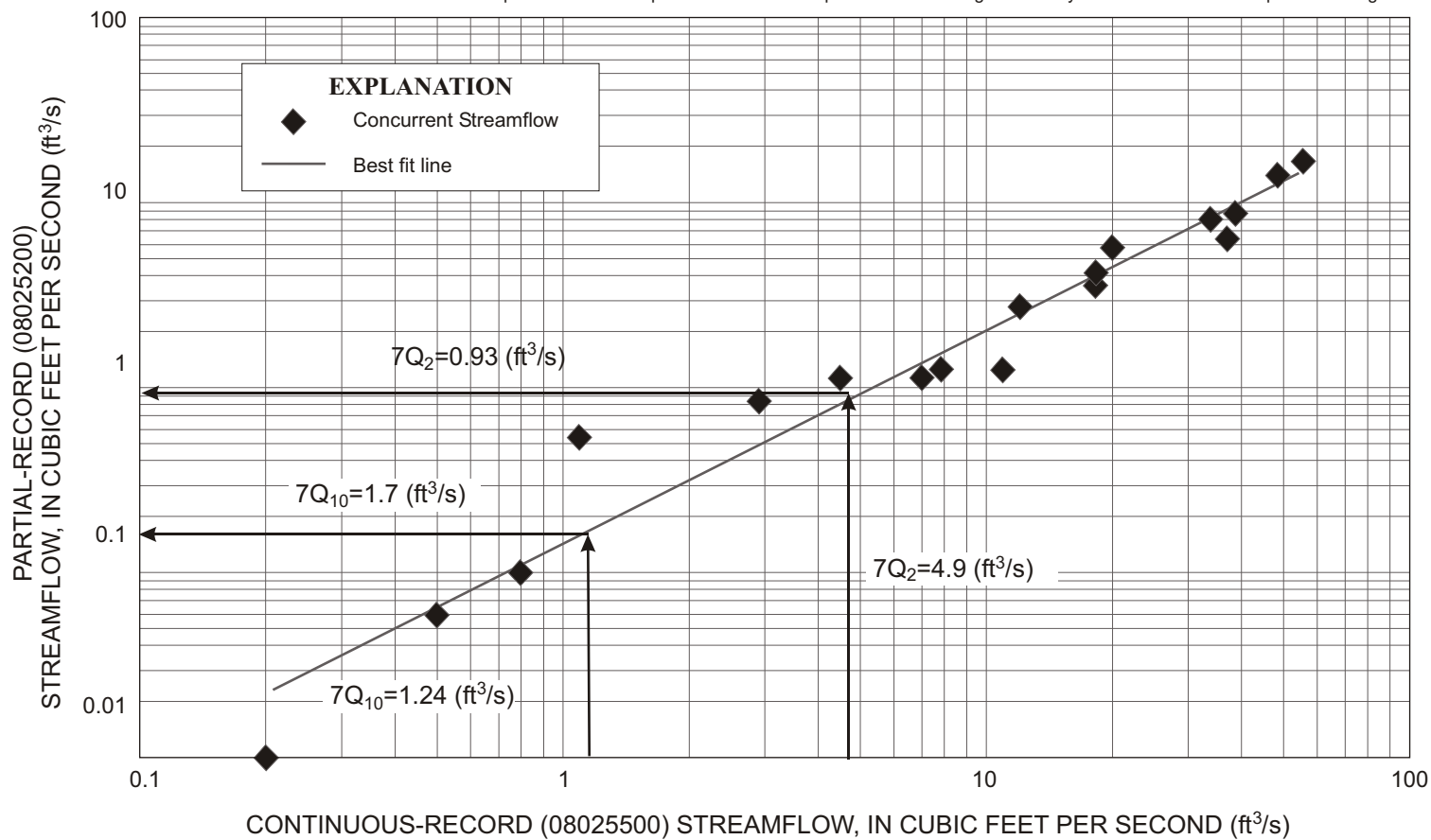


Figure 6. Relation between daily base-flow measurements at partial-record station 08025200 and concurrent mean-daily streamflow measurements at continuous-record index station 08025500, using the graphical correlation method.

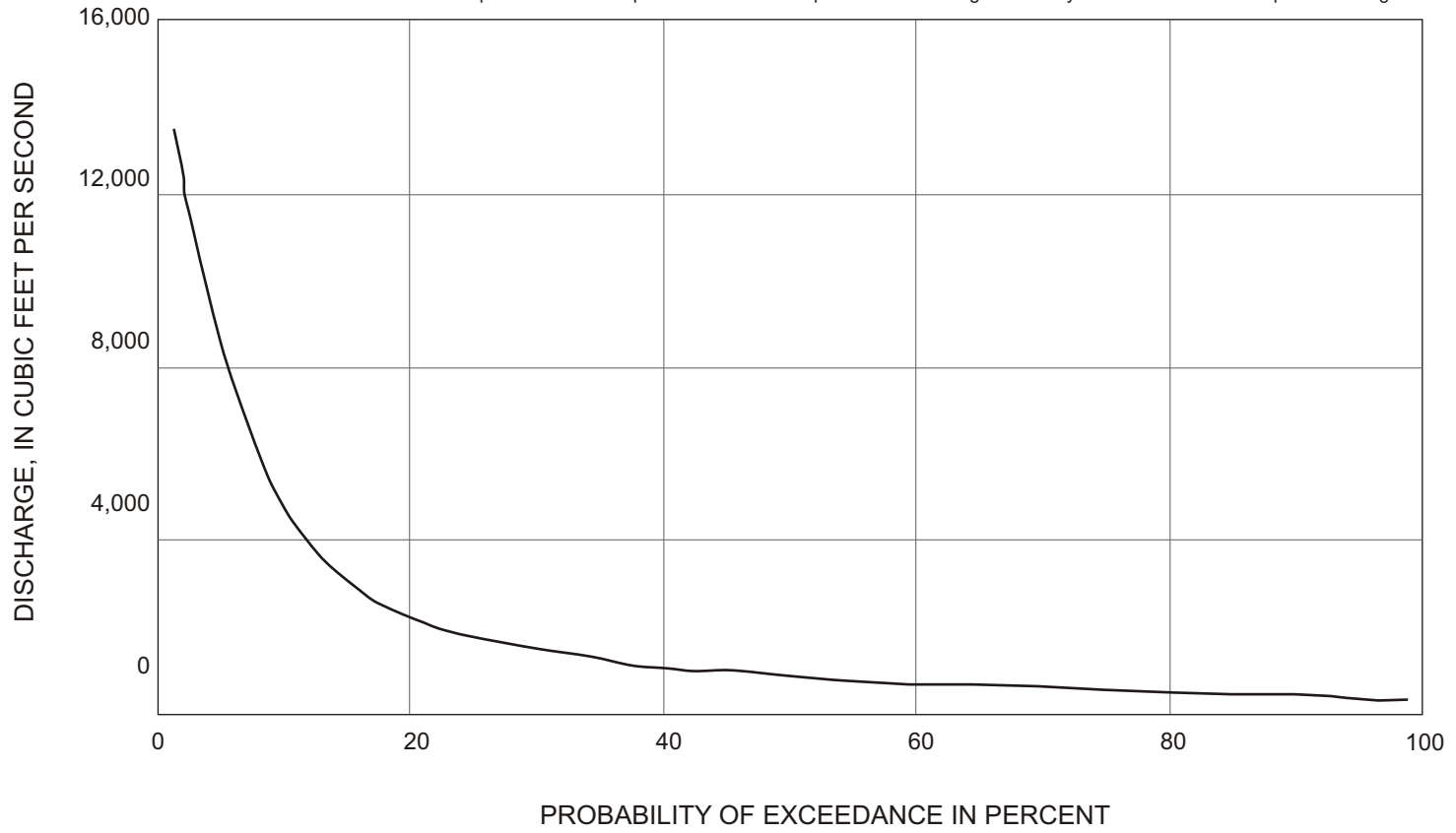


Figure 7. Flow-duration curve for the Amite River at Denham Springs, Louisiana, 1938-99.

LOW-FLOW CHARACTERISTICS FOR PARTIAL-RECORD STATIONS

This report presents low-flow characteristics for 227 partial-record stations in Louisiana (fig. 8). The base-flow measurements at the partial-record stations were correlated with the mean-daily flow at nearby continuous-record index stations using an ordinary least-squares log-log linear regression model. Through this regression, low-flow characteristics for the $7Q_2$ and $7Q_{10}$ at each partial-record station were estimated from low-flow characteristics at corresponding index station(s). Low-flow characteristics for 206 partial-record stations having 10 or more base-flow measurements were estimated using the Stedinger and Thomas method. For the 21 stations having less than 10 base-flow measurements, a graphically determined best-fit line through the data was used as the basis for estimating the low-flow characteristics (Riggs, 1972).

Frequency Analysis

The Stedinger and Thomas method assumes a log-log linear relation between base-flow measurements at partial-record stations and concurrent mean-daily streamflow measurements at index stations. Index stations were selected using GIS to investigate and compare basin geology, hydrologic unit, and distance between stations. The Stedinger and Thomas method utilizes the log-log ordinary least squares regression relation and estimates the mean and variance of the N-day low-flow event of a partial-record station by the following equations:

$$\hat{u}_N = a + bM_N; \text{ and} \quad (6)$$

$$\hat{\sigma}_N^2 = b^2 S_N^2 + (SE)^2 [1 - S_N^2 / (L - 1)(SX)^2], \quad (7)$$

where

- \hat{u}_N is the estimated mean of logarithms of N-day low flows at the partial-record station, in cubic feet per second;
- $a; b$ are the log-log linear regression coefficients of the relation between base flows at the partial-record station and mean-daily streamflows at the index station, in cubic feet per second;
- M_N is the mean of the logarithm of the N-day low flows at the index station, in cubic feet per second;
- $\hat{\sigma}_N^2$ is the estimated variance of logarithms of the annual N-day low flows at the partial-record station;
- S_N is as previously defined, the standard deviation of the logarithms of the annual N-day low flows at the index station;
- $(SE)^2$ is the standard error of estimate of the log-log linear regression between the base flows at the partial-record station and the mean-daily streamflows at the index stations;
- L is the number of concurrent base-flow measurements at the partial-record station and the mean-daily streamflow measurements at the index station; and
- SX is the standard deviation of the logarithms of the concurrent mean-daily streamflows at the index station.

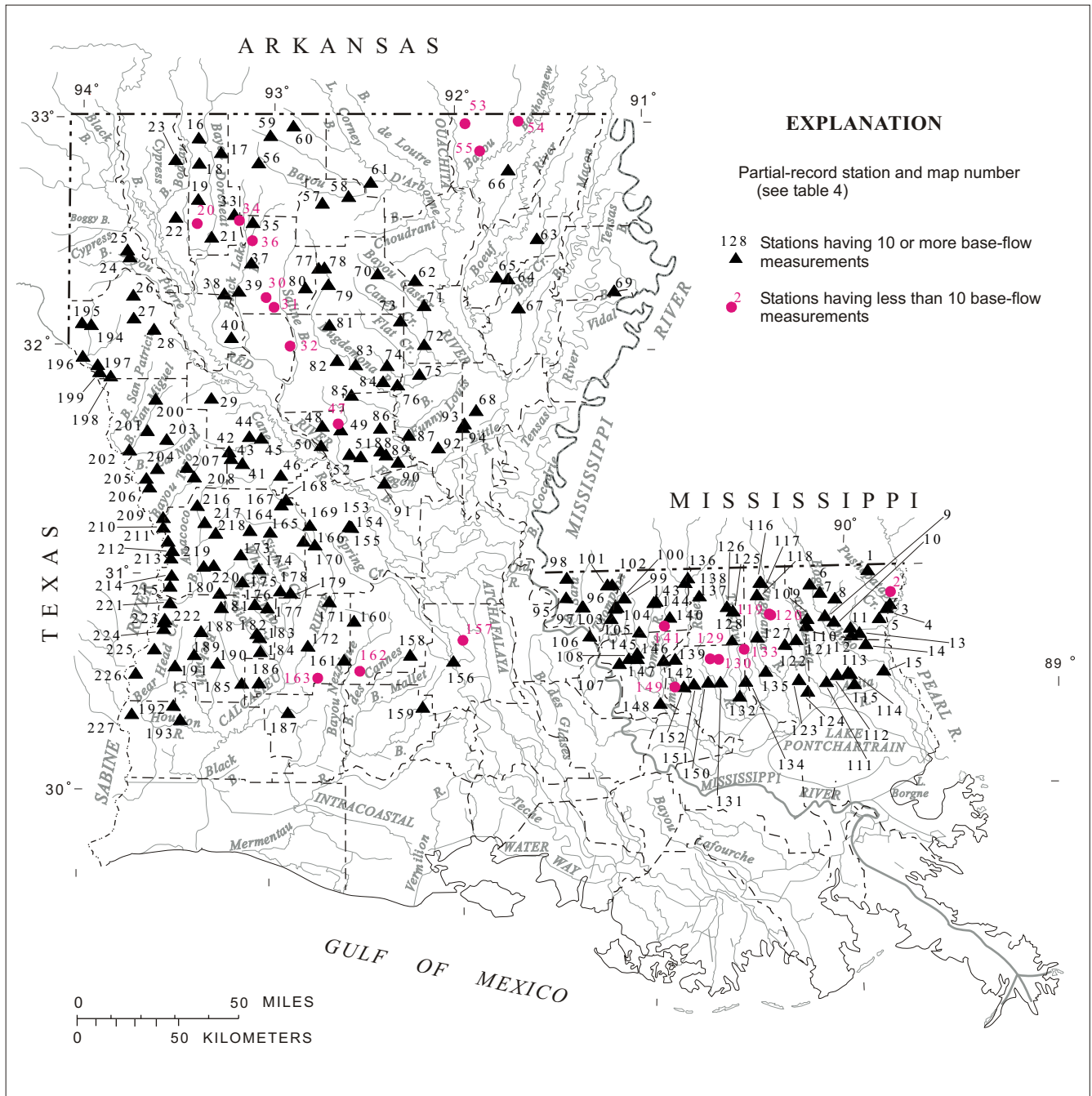


Figure 8. Location of partial-record stations in Louisiana.

The low-flow characteristics then are estimated for the partial-record station by the following equation, assuming that the logarithms of the annual N-day low flows conform to the Pearson Type III distribution:

$$\log \hat{Q}_{N,T} = \hat{u}_N + K_{T,G} \hat{\sigma}_N, \quad (8)$$

where

$\hat{Q}_{N,T}$ is the N-day, T-year low flow, in cubic feet per second; and
 $K_{T,G}$ is as previously defined, the Pearson Type III frequency factor, which is a function of the station skew coefficient G of the annual N-day low flows, and selected recurrence interval T .

The Stedinger and Thomas method assumes that the relation between annual N-day low flows at the partial-record station and the index station is very similar to the log-log linear relation developed between concurrent base-flow measurements at partial-record stations and mean-daily streamflow measurements at index stations. Therefore, the station skew coefficients for the two stations are assumed to be equal because the two streams should be in similar hydrologic environments (Stedinger and Thomas, 1985).

The 21 partial-record stations having less than 10 base-flow measurements were correlated with index stations by a graphical method (Riggs, 1972) (fig. 6). A graphically determined best-fit line through the log-log plot of concurrent base-flow measurements at partial-record stations and mean-daily streamflow measurements at the index station was used to estimate low-flow characteristics for these 21 partial-record stations (Riggs, 1972). The final results of 7Q₂ and 7Q₁₀ low-flow analyses of the 227 partial-record stations are presented in table 4.

Accuracy of Partial-Record Analysis

The standard error of estimate of low-flow characteristics for partial-record stations is related to the accuracy of the correlations of the partial-record stations with the corresponding index station. Low-flow characteristics for partial-record stations were estimated utilizing the Stedinger and Thomas method and the time-sampling errors were computed using the equation developed by Stedinger and Thomas (1985, p. 8, equation 30). The standard errors (SE), in logarithmic units, were converted to percentages by the following equation, and are presented in table 4:

$$SE_{percent} = 100 \left\{ e^{(SE^2 \times 5.302)} - 1 \right\}^{0.5} \quad (9)$$

Another measure of uncertainty is the prediction interval of an estimated low-flow N-day, T-year event, $\hat{Q}_{N,T}$. A $100(1 - \alpha)$ prediction interval for the true low-flow event, $\beta_{N,T}$, can be computed by

$$(\hat{Q}_{N,T}/V) < \beta_{N,T} < (\hat{Q}_{N,T} \times V); \quad (10)$$

where the value of V can be computed from the relation

$$\log(V) = t_{(\alpha/2, j-2)}(SE); \quad (11)$$

where

- $t_{\alpha/2, j-2}$ is the critical value of the t-distribution for the $n-2$ degrees of freedom, and
 j is the number of partial-record observations used in the log-log linear regression analysis.

SUMMARY

The low-flow characteristics were estimated for 124 continuous-record streamflow-gaging stations and 227 partial-record stations in Louisiana. Estimates of low-flow frequency and flow duration provide information useful for the management and protection of surface-water resources. The low-flow characteristics tabulated in this report supersede all previously published low-flow characteristics for these stations.

Estimates of low-flow frequency characteristics for the 110 continuous-record stations having 10 or more years of record were determined from mean-daily streamflow record through March 31, 1999, and were based on the climatic year (April through March). For these stations, low-flow frequency characteristics were determined for periods of 1, 3, 7, 10, 14, 20, 30, 60, 120, and 183 consecutive days, with recurrence intervals of 2, 5, 10, and 20 years. The log-Pearson Type III frequency analysis was used to determine these values. For continuous-record stations having less than 10 years of record, the 7-consecutive-day, 2- and 10-year recurrence intervals were estimated. Seasonal estimates of the 2-, 10-, and 20-year low-flow recurrences of the annual minimum average 1-, 7-, and 14-consecutive-day mean-daily streamflows also were determined for the 110 stations having 10 or more years of record through August 31, 1999. The four seasons are represented by the 3-month periods of March-May, June-August, September-November, and December-February.

Flow duration refers to the percentage of time that a specified streamflow at a site was equaled or exceeded during a given period of record. Flow-duration characteristics for 1, 5, 10, 25, 50, 75, 90, 95, and 99 percentiles were computed from mean-daily streamflow values through September 30, 1999 for all 124 continuous-record stations. The flow-duration statistics are based on the period of record or a specified fixed period.

The 14 continuous-record stations having less than 10 years of record were analyzed as partial-record stations. Base-flow measurements at these 14 stations were correlated with mean-daily streamflow values for nearby continuous-record index stations having 10 or more years of record and similar basin characteristics. For 13 of these 14 continuous-record stations, a technique referred to as the Stedinger and Thomas method was used to estimate low-flow characteristics, and a graphical correlation method was used for the remaining station.

Low-flow statistics for the 7-consecutive-day, 2- and 10-year recurrence intervals for the 227 partial-record stations also were based on correlations with mean-daily streamflow values for nearby index stations. The Stedinger and Thomas method was used to estimate the low-flow characteristics for the 206 partial-record stations having 10 or more base-flow measurements. For the remaining 21 partial-record stations, the basis for estimating low-flow characteristics was a graphical correlation method. Time-sampling errors for these statistics were computed, and the standard errors are presented in the report.

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HYDROLOGIC DATA

Table 1 lists by station number and name each continuous-record station analyzed in this report. The sequential map number in table 1 corresponds to the identification number on the map that shows station locations in figure 2. Table 1 also lists the table and page numbers for station descriptions and analytical results.

Tables 2 and 3 present low-flow data for 124 continuous-record stations. The eight-digit streamflow-gaging station number used in these tables is a unique identification number used by the USGS. The first two digits of each number designate the major river basin in which the station is located, and the last six digits designate the downstream order number, which increases in a downstream direction. In each table, station descriptions are presented in numerical order by station number.

Station descriptions in tables 2 and 3 include location, drainage area in square miles, period of record, mean-daily minimum in cubic feet per second, and explanatory remarks. Map numbers in parentheses following station names are sequential, and correspond to the identification numbers shown in figure 2.

Table 2 summarizes low-flow characteristics for the 110 continuous-record streamflow-gaging stations having 10 or more years of discharge records through the 1999 water year. Each page presents the following information for a station: annual statistics for 1-, 3-, 7-, 10-, 14-, 20-, 30-, 60-, 120-, and 183-consecutive-day periods with 2-, 5-, 10-, and 20-year recurrence intervals; seasonal statistics for the 1-, 7-, and 14-consecutive-day periods with 2-, 10-, and 20-year recurrence intervals; and exceedance percentiles from the flow-duration analysis. The annual average and seasonal low-flow analyses were based on the climatic year, which is a continuous 12-month period from April 1 to March 31 and designated by the year in which the climatic year ends. Flow-duration analyses were based on the period of record unless a fixed period is noted in table 2.

Table 3 summarizes low-flow characteristics for the 14 continuous-record streamflow-gaging stations in Louisiana that have less than 10 years of discharge records through the 1999 water year. Data for each station include annual statistics for a 7-consecutive-day period with 2- and 10-year recurrence intervals ($7Q_2$ and $7Q_{10}$) and exceedance percentiles from flow-duration analyses.

Table 4 summarizes low-flow characteristics for 227 partial-record stations. The sequential map numbers preceding the station numbers correspond to the identification numbers on the map showing station locations (fig. 8). Information given for each station includes the station number, name, and location; drainage area; $7Q_2$ low-flow characteristic; standard error (discussed in "Accuracy of partial-record analysis") of the $7Q_2$ (SE-2); the $7Q_{10}$ low-flow characteristic; standard error of the $7Q_{10}$ (SE-10); continuous-record gaging station used for correlation (index station number); and method used to estimate the low-flow characteristic.

Table 1. Cross-reference for continuous-record streamflow-gaging stations

[All stations are in Louisiana, except as noted. CR, continuous-record station having 10 or more years of record; CR/PR, continuous-record station having less than 10 years of record and analyzed as a partial-record station]

Station number	Station name	Type of station	Map number (see fig. 2)	Table number in this report	Page number in this report
02489500	Pearl River near Bogalusa	CR	1	2	23
02490000	Bogue Lusa Creek near Franklinton	CR	2	2	24
02490105	Bogue Lusa Creek at State Highway 439, at Bogalusa	CR	3	2	25
02491500	Bogue Chitto at Franklinton	CR	4	2	26
02492000	Bogue Chitto near Bush	CR	5	2	27
02492600	Pearl River at Pearl River	CR/PR	6	3	133
07295100	Mississippi River at Tarbert Landing, Miss.	CR	7	2	28
07344400	Red River near Hosston	CR	8	2	29
07344450	Paw Paw Bayou near Greenwood	CR	9	2	30
07347000	Kelly Bayou near Hosston	CR	10	2	31
07347500	Black Bayou near Gilliam	CR	11	2	32
07348500	Red River at Shreveport	CR	12	2	33
07348700	Bayou Dorcheat near Springhill	CR	13	2	34
07348800	Flat Lick Bayou near Leton	CR	14	2	35
07349000	Bayou Dorcheat near Minden	CR	15	2	36
07349374	Flat River near Curtis	CR/PR	16	3	133
07349500	Bodcau Bayou near Sarepta	CR	17	2	37
07349795	Cypress Bayou above Benton	CR	18	2	38
07349800	Cypress Bayou near Benton	CR	19	2	39
07349860	Red Chute Bayou at Sligo	CR	20	2	40
07350000	Loggy Bayou near Ninock	CR	21	2	41
07350020	Loggy Bayou near East Point	CR/PR	22	3	134
07350500	Red River at Coushatta	CR	23	2	42
07351000	Boggy Bayou near Keithville	CR	24	2	43
07351500	Cypress Bayou near Keithville	CR	25	2	44
07351600	Bayou Pierre near Grand Bayou	CR/PR	26	3	134
07351700	Bayou na Bonchasse near Mansfield	CR	27	2	45
07351748	West Branch Dolet Bayou at Rambin	CR/PR	28	3	135
07351750	Bayou Pierre near Lake End	CR	29	2	46
07351900	Bayou Dupont near Robeline	CR	30	2	47
07352000	Saline Bayou near Lucky	CR	31	2	48
07352500	Black Lake Bayou near Castor	CR	32	2	49
07352800	Grand Bayou near Coushatta	CR	33	2	50
07353500	Nantachie Creek near Montgomery	CR	34	2	51
07353800	Youngs Bayou at Natchitoches	CR/PR	35	3	135
07354000	Little Sandy Creek at Kisatchie	CR	36	2	52
07354100	Kisatchie Bayou at Lotus (Formerly published as Kisatchie Bayou near Bellwood)	CR	37	2	53
07354500	Horsepen Creek near Provencal	CR	38	2	54
07355000	Hemphill Creek near Hot Wells	CR	39	2	55
07355005	Dyer Creek near Hot Wells	CR/PR	40	3	136

Table 1. Cross-reference for continuous-record streamflow-gaging stations—Continued

Station number	Station name	Type of station	Map number (see fig. 2)	Table number in this report	Page number in this report
07355500	Red River at Alexandria	CR	41	2	56
07364200	Bayou Bartholomew near Jones	CR	42	2	57
07364300	Chemin-a-Haut Bayou near Beekman	CR	43	2	58
07364500	Bayou Bartholomew near Beekman	CR	44	2	59
07364700	Bayou de Loutre near Laran	CR	45	2	60
07365000	Bayou D'Arbonne near Dubach	CR	46	2	61
07365500	Middle Fork Bayou D'Arbonne near Bernice	CR	47	2	62
07366000	Corney Bayou near Lillie	CR	48	2	63
07366200	Little Corney Bayou near Lillie	CR	49	2	64
07367000	Ouachita River at Monroe	CR	50	2	65
07367630	Ouachita River at Columbia Lock and Dam, near Riverton	CR	51	2	66
07367700	Boeuf River near Arkansas-Louisiana State Line	CR	52	2	67
07368000	Boeuf River near Girard	CR	53	2	68
07368500	Big Colewa Bayou near Oak Grove	CR	54	2	69
07369500	Tensas River at Tendal	CR	55	2	70
07369700	Bayou Macon near Kilbourne	CR	56	2	71
07370000	Bayou Macon near Delhi	CR	57	2	72
07370500	Castor Creek near Grayson	CR	58	2	73
07371000	Garrett Creek at Jonesboro	CR	59	2	74
07371500	Dugdemona River near Jonesboro	CR	60	2	75
07371540	Fouse Bayou at State Highway 155, near Danville	CR/PR	61	3	136
07372000	Dugdemona River near Winnfield	CR	62	2	76
07372200	Little River near Rochelle	CR	63	2	77
07372500	Bayou Funny Louis near Trout	CR	64	2	78
07373000	Big Creek at Pollock (hydrologic bench-mark station)	CR	65	2	79
07373250	Hemphill Creek at Nebo	CR	66	2	80
07373500	West Fork Thompson Creek near Wakefield	CR	67	2	81
07373965	South Canal near Baker	CR/PR	68	3	137
07375000	Tchefuncte River near Folsom	CR	69	2	82
07375500	Tangipahoa River at Robert	CR	70	2	83
07375800	Tickfaw River at Liverpool	CR	71	2	84
07376000	Tickfaw River at Holden	CR	72	2	85
07376500	Natalbany River at Baptist	CR	73	2	86
07377000	Amite River near Darlington	CR	74	2	87
07377500	Comite River near Olive Branch	CR	75	2	88
07377700	Redwood Creek near Slaughter	CR/PR	76	3	137
07377755	White Bayou East Diversion Channel near Baton Rouge	CR	77	2	89
07377782	White Bayou southeast of Zachary	CR	78	2	90
07377842	White Bayou near Baker	CR	79	2	91
07378000	Comite River near Comite	CR	80	2	92
07378500	Amite River near Denham Springs	CR	81	2	93
07379000	Ward Creek at Government Street, at Baton Rouge	CR	82	2	94

Table 1. Cross-reference for continuous-record streamflow-gaging stations—Continued

Station number	Station name	Type of station	Map number (see fig. 2)	Table number in this report	Page number in this report
07380000	Ward Creek at Siegen Lane, near Baton Rouge	CR/PR	83	3	138
07380400	Bayou Lafourche at Donaldsonville	CR	84	2	95
07381000	Bayou Lafourche at Thibodaux	CR	85	2	96
07381490	Atchafalaya River at Simmesport	CR	86	2	97
07381500	Atchafalaya River at Krotz Springs	CR	87	2	98
07381800	Spring Creek near Glenmora	CR	88	2	99
07382000	Bayou Cocodrie near Clearwater (near Meeker)	CR	89	2	100
07382500	Bayou Courtableau at Washington	CR	90	2	101
07383000	Chatlin Lake Canal near Lecompte	CR	91	2	102
07383500	Bayou des Glaises diversion channel at Moreauville	CR	92	2	103
07384000	West Protection Levee borrow pit channel near Plaucheville	CR	93	2	104
07385500	Bayou Teche at Arnaudville	CR	94	2	105
07385700	Bayou Teche at Keystone Lock, near St. Martinsville	CR	95	2	106
07386000	Bayou Carencro near Sunset	CR	96	2	107
07386500	Bayou Bourbeau at Shuteston	CR	97	2	108
08010000	Bayou des Cannes near Eunice	CR	98	2	109
08011000	Bayou Plaquemine Brule near Crowley	CR/PR	99	3	138
08011500	Boggy Bayou near Pine Prairie	CR	100	2	110
08012000	Bayou Nezpique near Basile	CR	101	2	111
08013000	Calcasieu River near Glenmora	CR	102	2	112
08013500	Calcasieu River near Oberlin	CR	103	2	113
08014000	Sixmile Creek near Sugartown	CR/PR	104	3	139
08014200	Tenmile Creek near Elizabeth	CR	105	2	114
08014500	Whisky Chitto Creek near Oberlin	CR	106	2	115
08014800	Bundick Creek near DeRidder	CR	107	2	116
08015000	Bundick Creek near Dry Creek	CR	108	2	117
08015500	Calcasieu River near Kinder	CR	109	2	118
08016400	Beckwith Creek near DeQuincy	CR	110	2	119
08016600	Hickory Branch at Kernan	CR	111	2	120
08016800	Bear Head Creek near Starks	CR	112	2	121
08022765	Bayou Castor near Funston	CR	113	2	122
08023000	Bayou Castor near Logansport	CR	114	2	123
08023080	Bayou Grand Cane near Stanley	CR	115	2	124
08023400	Bayou San Patricio near Benson	CR	116	2	125
08023500	Bayou San Patricio near Noble	CR	117	2	126
08024000	Bayou San Miguel near Zwolle	CR	118	2	127
08024200	Bayou La Nana near Zwolle	CR	119	2	128
08025500	Bayou Toro near Toro	CR	120	2	129
08027500	Bayou Anacoco near Leesville	CR	121	2	130
08028000	Bayou Anacoco near Rosepine	CR	122	2	131
08028200	Bayou Anacoco near Knight	CR/PR	123	3	139
08028700	Hoosier Creek near Merryville	CR	124	2	132

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record

[Number in parentheses that follows the station number and station name is the map number in figure 2. Low-flow estimates listed in bold type were estimated by a graphical method. Lat, latitude; long, longitude; mi, mile; mi², square mile; ft³/s, cubic foot per second; ft, foot; acre-ft, acre-foot]

02489500 Pearl River near Bogalusa, La. (1)

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs. 17 and 18, T. 3 S., R. 14 E., Washington Parish, near right bank on downstream side of bridge on State Highway 10, 2 mi east of Bogalusa, and 2 mi upstream from Bogue Lusa Creek.

DRAINAGE AREA.--Total drainage area 6,630 mi², with a contributing drainage area of 6,573 mi².

PERIOD OF RECORD.--October 1938 to September 1999.

MEAN-DAILY MINIMUM FLOW.--1,020 ft³/s.

REMARKS.--Significant trend and regulation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval
(Based on 1966-99, climatic years)

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
1,830	1,840	1,860	1,890	1,920	1,970	2,050	2,250	2,650	3,400
<u>5-year recurrence interval</u>									
1,520	1,530	1,550	1,570	1,590	1,630	1,700	1,840	2,120	2,590
<u>10-year recurrence interval</u>									
1,370	1,380	1,400	1,420	1,440	1,470	1,530	1,690	1,940	2,270
<u>20-year recurrence interval</u>									
1,250	1,260	1,290	1,300	1,330	1,350	1,410	1,590	1,820	2,060

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
3,500	3,900	4,580	2,110	2,180	2,300	1,850	1,910	1,960	3,560	4,100	4,790
<u>10-year recurrence interval</u>											
2,270	2,400	2,560	1,550	1,610	1,710	1,400	1,410	1,440	1,820	1,980	2,280
<u>20-year recurrence interval</u>											
2,030	2,130	2,210	1,420	1,490	1,580	1,280	1,290	1,320	1,500	1,640	1,900

Flow, in ft³/s, which was exceeded for the indicated percentage of days
(Based on 1966-99, water years)

Percentage of days									
1	5	10	25	50	75	90	95	99	
58,800	41,500	31,900	13,300	4,980	2,720	2,050	1,800	1,400	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

02490000 Bogue Lusa Creek near Franklinton, La. (2)

LOCATION.--Lat 30°52'05", long 90°00'10", in NE1/4NW1/4 sec. 21, T. 2 S., R. 12 E., St. Helena Meridian, Washington Parish, near right bank at downstream side of bridge on State Highway 10, at Sheridan Store, 0.75 mi upstream from Witches Creek, and 9 mi east of Franklinton.

DRAINAGE AREA.--12.1 mi².

PERIOD OF RECORD.--October 1948 to September 1968.

MEAN-DAILY MINIMUM FLOW.--1 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
2.2	2.3	2.5	2.6	2.7	2.9	3.2	4.3	5.9	7.2
<u>5-year recurrence interval</u>									
1.4	1.5	1.5	1.6	1.7	1.9	2.0	2.7	3.7	4.4
<u>10-year recurrence interval</u>									
1.2	1.2	1.3	1.3	1.4	1.5	1.7	2.2	2.9	3.4
<u>20-year recurrence interval</u>									
1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.8	2.4	2.7

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
4.0	4.7	5.6	2.4	2.7	3.1	2.4	2.7	3.0	5.6	6.3	7.6
<u>10-year recurrence interval</u>											
1.9	2.2	2.5	1.2	1.3	1.5	1.3	1.4	1.5	2.9	3.1	4.4
<u>20-year recurrence interval</u>											
1.6	1.8	2.0	.98	1.1	1.2	1.1	1.2	1.3	2.4	2.6	3.8

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
198	50	31	16	7.6	4.3	2.5	2.1	1.5	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

02490105 Bogue Lusa Creek at State Highway 439, at Bogalusa, La. (3)

LOCATION.--Lat 30°46'56", long 89°52'24", in SE1/4 sec. 15, T. 3 S., R. 13 E., Washington Parish, near center of span on downstream side of bridge on State Highway 439, in Bogalusa 0.3 mi upstream from Ice Water Branch, 0.9 mi downstream from Adams Creek, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--72.7 mi².

PERIOD OF RECORD.--October 1963 to September 1985.

MEAN-DAILY MINIMUM FLOW.--7.1 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
26	26	27	27	29	30	33	39	52	60
<u>5-year recurrence interval</u>									
17	18	20	20	21	22	24	28	38	42
<u>10-year recurrence interval</u>									
13	14	17	18	18	19	20	24	32	35
<u>20-year recurrence interval</u>									
10	11	15	16	16	17	18	21	27	30

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
43	48	53	27	30	34	30	30	31	49	53	61
<u>10-year recurrence interval</u>											
22	26	29	17	19	20	14	18	19	28	31	39
<u>20-year recurrence interval</u>											
19	22	24	15	17	18	11	15	17	23	26	34

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
935	354	222	117	67	42	29	24	18	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

02491500 Bogue Chitto at Franklinton, La. (4)

LOCATION.--Lat 30°50'35" , long 90°09'45" , in SE1/4SE1/4 sec. 26, T.2 S., R. 10E, Washington Parish, at bridge on State Highway 10, 0.8 mi west of Franklinton, and 3.5 mi upstream from Lawrence Creek.

DRAINAGE AREA.--990 mi².

PERIOD OF RECORD.--August 1928 to September 1982. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--350 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days										
1	3	7	10	14	20	30	60	120	183	
				<u>2-year recurrence interval</u>						
527	529	535	538	545	555	569	617	729	842	
				<u>5-year recurrence interval</u>						
448	450	455	459	464	472	482	512	577	648	
				<u>10-year recurrence interval</u>						
417	419	425	428	433	440	448	472	517	573	
				<u>20-year recurrence interval</u>						
396	398	404	408	412	417	424	446	476	521	

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
			<u>2-year recurrence interval</u>								
873	947	1,020	692	721	751	641	654	669	863	927	1,020
			<u>10-year recurrence interval</u>								
634	670	704	526	552	579	476	487	497	585	610	651
			<u>20-year recurrence interval</u>								
582	609	641	485	513	542	434	445	455	523	543	579

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
11,900	4,960	3,220	1,520	927	656	521	477	381	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

02492000 Bogue Chitto near Bush, La. (5)

LOCATION.--Lat 30°37'45", long 89°53'50", in SE1/4NE1/4 sec. 42, T. 5 S., R. 13 E., St. Tammany Parish, near center of span on downstream side of bridge on State Highway 21, 0.2 mi downstream from Illinois Central Gulf Railroad bridge, and 1.4 mi north of Bush.

DRAINAGE AREA.--1,213 mi².

PERIOD OF RECORD.--October 1938 to September 1999.

MEAN-DAILY MINIMUM FLOW.--369 ft³/s.

REMARKS.--Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
629	633	643	650	660	673	693	752	874	1,000
<u>5-year recurrence interval</u>									
524	529	536	542	550	558	574	613	697	782
<u>10-year recurrence interval</u>									
473	478	485	490	496	503	517	552	619	685
<u>20-year recurrence interval</u>									
433	439	445	449	455	460	473	505	560	613

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
873	947	1,020	692	721	751	641	654	669	863	927	1,020
<u>10-year recurrence interval</u>											
634	670	704	526	552	579	476	487	497	585	610	651
<u>20-year recurrence interval</u>											
582	609	641	485	513	542	434	445	455	523	543	579

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
15,500	6,120	3,890	2,000	1,160	814	650	577	475	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07295100 Mississippi River at Tarbert Landing, Miss. (7)

LOCATION.--Lat 31°00'30", long 91°37'25", in lot 6, T. 1 N., R. 5 W., Wilkinson County, near left bank at Tarbert Landing, 2.5 mi upstream from Lower Old River, 8.2 mi downstream from inlet channel to Old River Control Structure, and at river mile 306.3.

DRAINAGE AREA.--1,124,900 mi².

PERIOD OF RECORD.--October 1972 to August 1998. Record discontinuous

MEAN-DAILY MINIMUM FLOW.--104,000 ft³/s.

REMARKS.--Substantial regulation, natural flow affected by reservoirs, dams, and Old River Control Structure. Historical data adjusted for these controls and the full period of regulated flow analyzed.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
152,000	153,000	156,000	158,000	160,000	164,000	171,000	190,000	223,000	265,000
<u>5-year recurrence interval</u>									
114,000	115,000	117,000	118,000	120,000	123,000	127,000	139,000	163,000	193,000
<u>10-year recurrence interval</u>									
97,400	98,200	99,800	101,000	103,000	105,000	108,000	118,000	138,000	163,000
<u>20-year recurrence interval</u>									
85,300	86,100	87,500	88,900	90,500	92,200	94,900	103,000	121,000	141,000

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
444,000	471,000	498,000	248,000	257,000	270,000	202,000	207,000	211,000	315,000	332,000	360,000
<u>10-year recurrence interval</u>											
220,000	282,000	299,000	167,000	173,000	179,000	148,000	150,000	155,000	195,000	200,000	211,000
<u>20-year recurrence interval</u>											
170,000	243,000	258,000	150,000	155,000	160,000	134,000	137,000	142,000	169,000	172,000	179,000

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,340,000	1,040,000	899,000	680,000	405,000	242,000	166,000	134,000	101,000	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07344400 Red River near Hosston, La. (8)

LOCATION.--Lat 32°53'35", long 93°49'20", in SE1/4SW1/4 sec. 16, T. 22 N., R.14 W., Bossier-Caddo Parish line, near left bank on downstream side of bridge on State Highway 2, 1.8 mi downstream from Dry Bayou, and 3.2 mi east of Hosston.

DRAINAGE AREA.--57,041 mi², of which 5,936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--October 1957 to September 1968.

MEAN-DAILY MINIMUM FLOW.--803 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
2,740	2,880	3,130	3,270	3,530	3,840	4,420	5,510	7,630	8,440
<u>5-year recurrence interval</u>									
1,900	2,010	2,200	2,310	2,510	2,700	2,930	3,560	4,680	5,180
<u>10-year recurrence interval</u>									
1,420	1,500	1,650	1,740	1,870	2,000	2,150	2,580	3,300	3,700
<u>20-year recurrence interval</u>									
1,060	1,100	1,220	1,290	1,380	1,450	1,580	1,870	2,350	2,680

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
4,450	5,630	7,160	3,670	4,520	5,040	3,150	3,660	3,950	3,530	3,910	5,130
<u>10-year recurrence interval</u>											
2,430	3,510	3,960	2,020	2,500	2,830	1,560	1,730	1,830	1,720	1,900	2,030
<u>20-year recurrence interval</u>											
2,080	3,130	3,460	1,710	2,100	2,380	1,120	1,250	1,350	1,450	1,610	1,610

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
96,300	50,800	34,800	17,200	6,730	4,050	3,000	2,330	1,350	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07344450 Paw Paw Bayou near Greenwood, La. (9)

LOCATION.--Lat 32°31'00", long 93°58'20", in SE1/4 sec. 26, T. 18 N., R. 16 W., Caddo Parish, near center of span on downstream side of bridge on State Highway 169, 1 mi upstream from Cross Lake, 5.1 mi north of Greenwood, and 11 mi west of Shreveport.

DRAINAGE AREA.--Total drainage area of 80.5 mi², with a contributing drainage area of 78 mi².

PERIOD OF RECORD.--October 1955 to September 1986.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0	0.02	0.98	3.3
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.06	.61
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.24
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.11

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
1.2	1.8	2.6	0	0	0	0	0	0	1.2	1.7	3.2
<u>10-year recurrence interval</u>											
.11	.23	.55	0	0	0	0	0	0	0	0	0
<u>20-year recurrence interval</u>											
.05	.11	.36	0	0	0	0	0	0	0	0	0

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,090	351	124	23	3.2	0.10	0	0	0	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07347000 Kelly Bayou near Hosston, La. (10)

LOCATION.--Lat 32°51'25", long 93°52'20", in SW1/4NE1/4 sec. 36, T. 22 N., R. 15 W., Caddo Parish, near center of span on downstream side of bridge on U.S. Highway 71, and 2.0 mi south of Hosston.

DRAINAGE AREA.--116 mi².

PERIOD OF RECORD.--October 1944 to June 1969.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.--Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
2.6	2.9	3.1	3.2	3.4	3.7	4.2	5.1	7.9	13
<u>5-year recurrence interval</u>									
1.4	1.7	1.8	1.9	2.1	2.2	2.4	2.8	4.0	6.9
<u>10-year recurrence interval</u>									
.98	1.3	1.4	1.5	1.6	1.7	1.8	2.1	2.9	5.2
<u>20-year recurrence interval</u>									
.61	1.0	1.1	1.2	1.3	1.4	1.5	1.7	2.3	4.2

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
11	16	23	3.5	4.1	4.5	2.9	3.3	3.7	11	16	23
<u>10-year recurrence interval</u>											
3.3	5.5	7.3	1.4	1.8	2.1	1.3	1.4	1.6	2.8	3.6	4.9
<u>20-year recurrence interval</u>											
1.8	4.0	5.3	1.1	1.4	1.7	1.0	1.1	1.3	1.9	2.3	3.1

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,100	457	248	87	22	6.4	3.4	2.5	1.6	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07347500 Black Bayou near Gilliam, La. (11)

LOCATION.--Lat 32°48'55", long 93°52'15", in SE1/4NW1/4 sec. 13, T. 21 N., R. 15 W., Caddo Parish, near left bank, on downstream side of bridge on State Highway 170, 0.2 mi downstream from Red Bayou, and 2 mi southwest of Gilliam.

DRAINAGE AREA.--364 mi².

PERIOD OF RECORD.--October 1942 to September 1971. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--1.6 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
5.7	5.9	6.3	6.5	6.7	7.3	8.0	11	19	46
<u>5-year recurrence interval</u>									
3.4	3.5	3.8	3.9	4.0	4.4	4.7	5.3	7.9	17
<u>10-year recurrence interval</u>									
2.6	2.9	3.0	3.1	3.3	3.6	3.8	3.9	5.3	11
<u>20-year recurrence interval</u>									
2.2	2.3	2.5	2.7	2.9	3.2	3.3	3.2	3.9	7.6

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
62	83	120	7.6	8.4	9.4	5.7	6.1	6.8	55	78	98
<u>10-year recurrence interval</u>											
12	19	34	3.5	4.2	4.3	2.5	2.8	3.1	11	15	19
<u>20-year recurrence interval</u>											
7.0	13	23	2.8	3.5	3.6	2.2	2.4	2.7	6.8	8.8	11

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
3,180	1,450	925	435	113	14	6.7	5.1	3.1	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07348500 Red River at Shreveport, La. (12)

LOCATION.--Lat 32°30'55", long 93°44'25", in SE1/4SE1/4 sec. 30, T. 18 N., R. 13 W., Caddo Parish, on second pier from east bank, at Illinois Central Railroad bridge at Shreveport, and 0.5 mi downstream from Cross Bayou.

DRAINAGE AREA.--60,613 mi².

PERIOD OF RECORD.--August 1928 to September 1983.

MEAN-DAILY MINIMUM FLOW.--706 ft³/s.

REMARKS.--Significant trend and regulation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval
(Based on 1946-83 climatic years)

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
2,530	2,630	2,830	2,920	3,080	3,270	3,560	4,380	6,300	8,920
<u>5-year recurrence interval</u>									
1,590	1,630	1,730	1,780	1,860	1,940	2,090	2,530	3,530	4,900
<u>10-year recurrence interval</u>									
1,200	1,220	1,280	1,310	1,350	1,400	1,500	1,820	2,570	3,520
<u>20-year recurrence interval</u>									
932	943	967	987	1,010	1,040	1,110	1,360	1,960	2,660

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
8,000	9,170	11,300	3,380	3,770	4,140	2,600	2,920	3,130	5,090	5,640	6,770
<u>10-year recurrence interval</u>											
3,680	4,190	4,860	1,650	1,780	1,890	1,190	1,270	1,390	1,980	2,190	2,520
<u>20-year recurrence interval</u>											
2,990	3,410	3,850	1,330	1,410	1,480	939	975	1,100	1,510	1,670	1,900

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
144,000	86,900	61,800	31,100	12,800	5,520	3,190	2,100	1,210	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07348700 Bayou Dorcheat near Springhill, La. (13)

LOCATION.--Lat 32°59'40", long 93°23'47", in NE1/4NE1/4 sec. 16, T. 23 N., R. 10 W., Webster Parish, near left bank on downstream side of bridge on State Highway 157, 0.4 mi downstream from Crooked Creek, 1.7 mi downstream from Arkansas-Louisiana State line, and 4.2 mi southeast of intersection of State Highways 7 and 157 at Springhill, La.

DRAINAGE AREA.--605 mi².

PERIOD OF RECORD.--October 1957 to September 1999.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
1.6	1.7	1.9	2.1	2.4	2.8	3.7	7.3	18	55
<u>5-year recurrence interval</u>									
.71	.76	.88	.96	1.1	1.3	1.5	2.7	5.6	22
<u>10-year recurrence interval</u>									
.49	.52	.60	.66	.77	.88	1.0	1.7	3.1	13
<u>20-year recurrence interval</u>									
.36	.39	.45	.49	.59	.68	.77	1.2	1.9	9.2

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
44	57	81	2.4	3.0	3.8	2.2	2.9	3.9	76	106	142
<u>10-year recurrence interval</u>											
10	15	23	.69	.86	1.1	.65	.75	.93	8.3	14	22
<u>20-year recurrence interval</u>											
6.7	10	17	.51	.63	.78	.50	.55	.67	3.8	6.9	12

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
6,190	2,540	1,680	628	132	17	2.9	1.8	1.0	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07348800 Flat Lick Bayou near Leton, La. (14)

LOCATION.--Lat 32°46'11", long 93°15'58", in NW1/4 sec. 35, T. 21 N., R. 9 W., Webster Parish, near left bank on downstream side of bridge on State Highway 159, 0.5 mi downstream from Cypress Creek, 6 mi upstream from mouth, and 6.5 mi south of Leton.

DRAINAGE AREA.--66.9 mi².

PERIOD OF RECORD.--October 1956 to September 1977.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0.05	0.06	0.15	0.37	1.4	3.5
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	.04	.24	.91
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	.01	.10	.46
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.05	.27

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
3.0	4.4	6.9	0	0.06	0.07	0.13	0.15	0.16	2.3	3.2	5.1
<u>10-year recurrence interval</u>											
.57	.82	1.4	0	0	0	0	0	0	.01	.17	.33
<u>20-year recurrence interval</u>											
.35	.50	.85	0	0	0	0	0	0	0	.07	.15

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
820	286	146	46	7.4	0.86	0.35	0.17	0.03	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07349000 Bayou Dorcheat near Minden, La. (15)

LOCATION.--Lat 32°35'55", long 93°19'59", in NW1/4 sec. 31, T. 19 N., R. 9 W., Webster Parish, on left bank 500 ft upstream from bridge on U.S. Highway 80, 0.7 mi upstream from Louisiana and Arkansas Railway Company bridge, 3.0 mi west of Minden, and 28 mi upstream from Lake Bistineau dam.

DRAINAGE AREA.--1,097 mi².

PERIOD OF RECORD.-- October 1928 to September 1979. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
2.0	2.0	2.3	2.5	2.8	3.7	5.2	9.6	29	84
<u>5-year recurrence interval</u>									
.17	.21	.27	.31	.42	.61	.80	1.2	4.1	23
<u>10-year recurrence interval</u>									
0	0	0	0	.05	.09	.11	.24	1.3	11
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.50	5.7

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
137	167	230	4.7	6.2	9.1	2.5	3.0	4.1	81	119	168
<u>10-year recurrence interval</u>											
27	36	59	.10	.14	.35	.02	.04	.05	5.9	13	20
<u>20-year recurrence interval</u>											
16	23	41	0	0	0	0	0	0	2.2	6.2	10

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
10,200	4,670	3,110	1,340	248	26	3.5	0.70	0	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07349500 Bodcau Bayou near Sarepta, La. (17)

LOCATION.--Lat 32°54'18", long 93°28'58", in NE1/4 sec. 15, T. 22 N., R. 11 W., Bossier-Webster Parish line, on left bank on downstream side of bridge on State Highway 2, 2.1 mi northwest of Sarepta, and 9.5 mi upstream from Caney Creek.

DRAINAGE AREA.--546 mi².

PERIOD OF RECORD.--October 1938 to September 1992.

MEAN-DAILY MINIMUM FLOW.--0.1 ft³/s.

REMARKS.--Significant trend and regulation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval
(Based on 1957-92, climatic years)

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
4.5	5.2	6.4	7.1	8.1	9.4	11	16	33	89
<u>5-year recurrence interval</u>									
1.8	2.1	2.5	2.8	3.3	3.8	4.7	6.5	12	33
<u>10-year recurrence interval</u>									
1.1	1.2	1.5	1.7	1.9	2.3	2.9	4.0	7.7	19
<u>20-year recurrence interval</u>									
.73	.80	.94	1.1	1.3	1.5	1.9	2.7	5.3	11

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
27	39	58	6.2	9.2	11	5.5	8.0	9.8	224	290	376
<u>10-year recurrence interval</u>											
3.4	5.4	8.6	1.2	1.6	2.1	1.4	2.4	3.2	47	71	91
<u>20-year recurrence interval</u>											
1.9	3.0	4.9	.81	1.0	1.3	1.0	1.8	2.4	28	43	55

Flow, in ft³/s, which was exceeded for the indicated percentage of days
(Based on 1957-92, water years)

Percentage of days									
1	5	10	25	50	75	90	95	99	
4,680	2,400	1,600	702	229	28	7.6	4.6	1.9	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07349795 Cypress Bayou above Benton, La. (18)

LOCATION.--Lat 32°47'15", long 93°42'27", in SW1/4NE1/4 sec. 28, T.20 N., R.12 W., Bossier Parish, near center of span on downstream side of bridge on State Highway 160, 0.7 mi east of Swindleville, 1.0 mi northeast of Alden Bridge, and 6.0 mi north of Benton.

DRAINAGE AREA.--88.9 mi².

PERIOD OF RECORD.--October 1974 to September 1986.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0.08	2.9
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.60
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.23
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.10

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
1.4	3.1	6.4	0	0	0	0	0	0	6.0	8.3	11
<u>10-year recurrence interval</u>											
.21	.42	.82	0	0	0	0	0	0	.19	.72	1.4
<u>20-year recurrence interval</u>											
.14	.25	.47	0	0	0	0	0	0	.05	.34	.72

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
772	343	197	58	9.2	0.70	0.28	0.14	0.03	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07349800 Cypress Bayou near Benton, La. (19)

LOCATION.--Lat 32°42'24", long 93°41'17", in NW1/4SW1/4 sec. 23, T. 20 N., R. 13 W., Bossier Parish, near left bank on downstream side of bridge on State Highway 162, 1.7 mi upstream from Little Caney Bayou, and 3.1 mi east of Benton.

DRAINAGE AREA.--133 mi².

PERIOD OF RECORD.--October 1955 to December 1974. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.-- 0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0	0.04	0.76	3.0
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.01	.77
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.43
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.28

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February			
Days												
1	7	14	1	7	14	1	7	14	1	7	14	
<u>2-year recurrence interval</u>												
2.5	3.5	5.5	0	0	0	0	0	0	0	3.3	4.6	8.9
<u>10-year recurrence interval</u>												
.27	.35	1.0	0	0	0	0	0	0	0	.23	.33	.47
<u>20-year recurrence interval</u>												
0	.17	.67	0	0	0	0	0	0	0	0	0	0

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,280	510	284	73	9.1	0.90	0.36	0.18	0.04	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07349860 Red Chute Bayou at Sligo, La. (20)

LOCATION.--Lat 32°26'50", long 93°35'40", SW1/4NW1/4 sec. 22, T.17 N., R.12 W., Bossier Parish, on downstream side of bridge on State Highway 612, 0.5 mi west of Sligo.

DRAINAGE AREA.--980 mi².

PERIOD OF RECORD.--July 1980 to September 1999.

MEAN-DAILY MINIMUM FLOW.--2.2 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
12	12	14	14	15	18	26	43	80	217
<u>5-year recurrence interval</u>									
5.5	5.8	6.4	6.6	7.2	8.3	12	17	35	89
<u>10-year recurrence interval</u>									
3.8	4.0	4.4	4.6	5.0	5.8	7.5	10	23	53
<u>20-year recurrence interval</u>									
2.8	3.0	3.3	3.5	3.8	4.4	5.2	6.4	17	34

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
285	330	393	27	32	37	11	13	18	373	465	564
<u>10-year recurrence interval</u>											
38	46	57	7.5	8.3	10	3.6	4.1	5.2	34	44	57
<u>20-year recurrence interval</u>											
21	26	33	5.8	6.4	8.1	2.8	3.2	3.8	14	18	23

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
4,750	3,250	2,680	1,810	493	76	23	13	5.1	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07350000 Loggy Bayou near Ninock, La. (21)

LOCATION.--Lat 32°14'10", long 93°25'35", in SE1/4SE1/4 sec. 31, T.15 N., R.10 W., Bienville-Bossier Parish line, near center of span on downstream side of bridge on U.S. Highway 71, 0.3 mi downstream from Flat River, 1.9 mi southeast of Ninock, and 7.5 mi upstream from mouth.

DRAINAGE AREA.--2,628 mi².

PERIOD OF RECORD.--October 1948 to December 1960.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
14	17	24	24	25	29	33	48	97	277
<u>5-year recurrence interval</u>									
1.3	2.6	5.3	5.3	5.3	9.0	10	12	21	67
<u>10-year recurrence interval</u>									
0	0	.74	.75	1.5	4.0	5.1	5.8	9.2	30
<u>20-year recurrence interval</u>									
0	0	0	0	0	2.6	2.8	3.1	4.5	14

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
682	900	1,220	44	67	95	16	26	31	190	234	302
<u>10-year recurrence interval</u>											
152	269	422	0	1.7	1.8	0	1.3	5.3	25	34	41
<u>20-year recurrence interval</u>											
98	189	306	0	0	0	0	0	3.0	14	19	23

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
11,800	8,670	6,410	3,210	912	101	21	11	2.0	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07350500 Red River at Coushatta, La. (23)

LOCATION.--Lat 32°00'45", long 93°21'10", Red River Parish, at bridge on U.S. highway 84, at Coushatta.

DRAINAGE AREA.--63,362 mi².

PERIOD OF RECORD.--October 1938 to September 1952.

MEAN-DAILY MINIMUM FLOW.--880 ft³/s.

REMARKS.--Substantial regulation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
2,750	2,820	3,010	3,070	3,160	3,300	3,590	4,370	6,540	11,600
<u>5-year recurrence interval</u>									
1,670	1,710	1,800	1,830	1,880	1,940	2,100	2,360	3,150	5,370
<u>10-year recurrence interval</u>									
1,260	1,280	1,330	1,350	1,390	1,430	1,540	1,680	2,120	3,400
<u>20-year recurrence interval</u>									
975	988	1,020	1,040	1,060	1,100	1,170	1,260	1,510	2,250

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
15,100	16,700	19,000	3,880	4,290	4,620	2,830	3,040	3,240	6,180	6,950	8,180
<u>10-year recurrence interval</u>											
5,960	6,500	7,310	1,960	2,080	2,170	1,250	1,320	1,380	1,850	2,010	2,180
<u>20-year recurrence interval</u>											
4,420	4,840	5,400	1,650	1,720	1,780	967	1,010	1,050	1,270	1,350	1,440

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
151,000	105,000	78,700	44,200	18,600	5,800	2,850	1,980	1,250	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07351000 Boggy Bayou near Keithville, La. (24)

LOCATION.--Lat 32°22'35", long 93°49'17", in NW1/4SE1/4 sec. 17, T. 16 N., R. 14 W., Caddo-DeSoto Parish line, near right bank on downstream side of bridge on U.S. Highway 171, 0.4 mi downstream from Gilmer Bayou, 3 mi north of Keithville, and 5 mi upstream from mouth.

DRAINAGE AREA.--79 mi².

PERIOD OF RECORD.--April 1939 to October 1982.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.--Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0.02	0.04	0.13	0.23	0.62	1.3	4.2
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.19	.96
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.05	.41
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.01	.20

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
2.6	3.4	4.7	0.06	0.12	0.22	0	0.02	0.08	2.5	3.4	5.6
<u>10-year recurrence interval</u>											
.76	1.0	1.4	0	0	0	0	0	0	.08	.11	.51
<u>20-year recurrence interval</u>											
.52	.73	1.0	0	0	0	0	0	0	0	0	.18

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,300	315	104	23	5.3	1.0	0.40	0.20	0.04	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07351500 Cypress Bayou near Keithville, La. (25)

LOCATION.--Lat 32°18'00", long 93°49'40", in SW1/4 sec. 8, T. 15 N., R. 14 W., Caddo Parish, on downstream side of bridge on U.S. Highway 171, immediately downstream from Texas and Pacific Railroad bridge, 2.0 mi south of Keithville, and 6.0 mi upstream from mouth of Boggy Bayou.

DRAINAGE AREA.--66 mi².

PERIOD OF RECORD.--April 1939 to September 1999. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0	0.07	0.85	4.3
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.06	.55
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.13
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.02

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
1.8	3.0	4.0	0	0	0.01	0	0	0	2.0	3.3	5.3
<u>10-year recurrence interval</u>											
.24	.37	.73	0	0	0	0	0	0	0	0	.33
<u>20-year recurrence interval</u>											
0	.12	.28	0	0	0	0	0	0	0	0	0

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,760	360	120	25	4.9	0.77	0.31	0.15	0.03	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07351700 Bayou na Bonchasse near Mansfield, La. (27)

LOCATION.--Lat 32°06'05", long 93°41'45", in SE1/4 sec. 21, T. 13 N., R. 13 W., DeSoto Parish, near center of span on downstream side of bridge on State Highway 175, 2.5 mi upstream from Little Bayou na Bonchasse, and 4.2 mi north of Mansfield.

DRAINAGE AREA.--19.5 mi².

PERIOD OF RECORD.--November 1957 to September 1968.

MEAN-DAILY MINIMUM FLOW.--0.2 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0.40	0.41	0.45	0.48	0.55	0.57	0.68	0.93	1.3	2.1
<u>5-year recurrence interval</u>									
.27	.28	.31	.32	.37	.38	.44	.55	.70	1.0
<u>10-year recurrence interval</u>									
.23	.23	.25	.26	.30	.31	.35	.42	.49	.71
<u>20-year recurrence interval</u>									
.20	.20	.21	.22	.25	.26	.29	.34	.37	.51

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
1.1	1.4	1.7	0.47	0.59	0.67	0.45	0.54	0.63	1.2	1.6	2.3
<u>10-year recurrence interval</u>											
.71	.78	.87	.27	.32	.34	.24	.28	.32	.46	.55	.84
<u>20-year recurrence interval</u>											
.65	.68	.76	.24	.27	.28	.20	.23	.25	.34	.42	.65

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
316	48	19	6.4	2.0	1.0	0.40	0.20	0.04	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07351750 Bayou Pierre near Lake End, La.(29)

LOCATION.--Lat 31°53'40", long 93°20'30", in NE1/4 sec. 36, T. 11 N., R. 10 W., Red River-Natchitoches Parish line, at bridge on State Highway 174, and 2.9 mi southwest of Lake End.

DRAINAGE AREA.--860 mi².

PERIOD OF RECORD.--October 1980 to September 1999.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.--Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
42	43	44	45	47	48	52	70	116	216
<u>5-year recurrence interval</u>									
25	26	27	28	29	31	33	41	66	118
<u>10-year recurrence interval</u>									
19	20	21	21	23	25	28	32	52	87
<u>20-year recurrence interval</u>									
15	16	16	17	18	21	24	27	43	69

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
110	138	166	58	67	79	39	42	44	154	189	274
<u>10-year recurrence interval</u>											
42	50	60	24	27	31	22	24	27	34	38	47
<u>20-year recurrence interval</u>											
33	39	47	18	20	23	20	21	25	21	22	26

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
9,130	4,920	3,110	1,120	318	100	48	34	20	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07351900 Bayou Dupont near Robeline, La. (30)

LOCATION.--Lat 31°42'15", long 93°19'38", Natchitoches Parish, at bridge on State Highway 120, 1.9 mi north of Robeline.

DRAINAGE AREA.--35.1 mi²

PERIOD OF RECORD.--October 1957 to September 1969.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0	0.06	0.27	0.79
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.04	.11
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.01	.04
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.02

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February			
Days												
1	7	14	1	7	14	1	7	14	1	7	14	
<u>2-year recurrence interval</u>												
0.56	1.1	1.9	0	0	0	0	0	0	0	0.29	0.40	0.54
<u>10-year recurrence interval</u>												
.03	.05	.14	0	0	0	0	0	0	0	0	0	.03
<u>20-year recurrence interval</u>												
0	0	0	0	0	0	0	0	0	0	0	0	.01

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
471	106	62	18	1.8	0.56	0.22	0.11	0.02	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07352000 Saline Bayou near Lucky, La. (31)

LOCATION.--Lat 32°15'00", long 92°58'35", in SW1/4 sec. 27, T. 15 N., R. 6 W., Bienville Parish, near center of span on downstream side of bridge on State Highway 4, 0.7 mi downstream from Sixmile Creek, and 1.0 mi east of Lucky.

DRAINAGE AREA.--154 mi².

PERIOD OF RECORD.--October 1940 to September 1999.

MEAN-DAILY MINIMUM FLOW.--2.6 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
8.8	9.0	9.5	9.9	11	12	13	17	24	37
<u>5-year recurrence interval</u>									
5.2	5.4	5.7	6.0	6.4	6.9	7.8	9.6	14	20
<u>10-year recurrence interval</u>									
4.0	4.1	4.4	4.7	5.0	5.4	5.9	7.2	10	15
<u>20-year recurrence interval</u>									
3.3	3.4	3.6	3.9	4.1	4.4	4.8	5.7	8.0	11

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
29	36	46	9.2	10	12	9.8	11	13	47	55	69
<u>10-year recurrence interval</u>											
11	13	17	4.2	4.7	5.3	4.5	5.0	6.0	19	21	25
<u>20-year recurrence interval</u>											
8.1	9.9	12	3.5	3.8	4.3	3.6	4.1	4.9	15	16	18

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,680	711	437	170	62	23	12	8.0	5.1	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07352500 Black Lake Bayou near Castor, La. (32)

LOCATION.--Lat 32°15'40", long 93°12'50", in NW1/4 sec. 29, T. 15 N., R. 8 W., Bienville Parish, at bridge on State Highway 4, 2.8 mi downstream from Four Mile Bayou, and 2.8 northwest of Castor.

DRAINAGE AREA.--423 mi².

PERIOD OF RECORD.--October 1940 to September 1957.

MEAN-DAILY MINIMUM FLOW.--5.6 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
14	15	16	16	17	18	20	24	39	67
<u>5-year recurrence interval</u>									
8.2	8.3	8.7	9.0	9.4	10	11	12	17	28
<u>10-year recurrence interval</u>									
6.4	6.4	6.6	6.8	7.1	7.6	7.9	8.9	12	19
<u>20-year recurrence interval</u>									
5.3	5.3	5.4	5.5	5.7	6.2	6.3	7.2	8.9	14

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
85	109	161	17	19	21.7	15.3	17	19	81	105	144
<u>10-year recurrence interval</u>											
30	35	45	7.0	7.3	7.8	6.5	7.4	8.2	26	28	34
<u>20-year recurrence interval</u>											
23	26	31	5.6	5.7	6.1	5.3	6.2	6.8	19	19	22

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
5,000	2,180	1,410	668	176	36	17	13	8.0	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07352800 Grand Bayou near Coushatta, La. (33)

LOCATION.--Lat 32°02'55", long 93°18'10", in SW1/4SW1/4 sec. 4, T. 12 N., R. 9 W., Red River Parish, near right bank on downstream side of bridge on State Highway 155, 0.5 mi upstream from Carroll Creek, and 3.3 mi north of Coushatta.

DRAINAGE AREA.--93.9 mi².

PERIOD OF RECORD.--October 1956 to September 1996. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0.02	0.08	0.65	4.4
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	.01	.08	.77
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.02	.28
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.01	.12

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
1.1	1.8	3.6	0	0	0.03	0	0	0	1.6	2.9	6.5
<u>10-year recurrence interval</u>											
.03	.08	.27	0	0	0	0	0	0	.02	.07	.18
<u>20-year recurrence interval</u>											
0	.02	.09	0	0	0	0	0	0	0	.01	.05

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,450	555	286	50	5.1	0.20	0	0	0	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07353500 Nantachie Creek near Montgomery, La. (34)

LOCATION.--Lat 31°41'15", long 92°52'40", in SE1/4NE1/4 sec. 9, T. 8 N., R. 5 W., Grant Parish, at bridge on State Highway 34, 1.4 mi downstream from Kadesh Branch, and 1.5 mi northeast of Montgomery.

DRAINAGE AREA.--47.0 mi².

PERIOD OF RECORD.--September 1942 to September 1968.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.--Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0.05	0.34	1.2	2.5
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.15	.62
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.02	.30
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.16

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
2.4	3.5	5.4	0	0.03	0.12	0	0	0.12	1.9	2.9	4.5
<u>10-year recurrence interval</u>											
.09	.21	.37	0	0	0	0	0	0	.26	.40	.93
<u>20-year recurrence interval</u>											
0	.04	.15	0	0	0	0	0	0	.14	.20	.60

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
735	225	115	34	5.8	0.90	0.36	0.18	0.04	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07354000 Little Sandy Creek at Kisatchie, La. (36)

LOCATION.--Lat 31°24'30", long 93°10'15", in SE1/4 sec. 15, T. 5 N., R. 8 W., Natchitoches Parish, near right bank at downstream side of bridge on State Highway 117, 0.5 mi south of Kisatchie, and 2.0 mi upstream from mouth.

DRAINAGE AREA.--21.4 mi².

PERIOD OF RECORD.--October 1949 to September 1979.

MEAN-DAILY MINIMUM FLOW.--0.2 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0.83	0.87	0.96	1.1	1.2	1.3	1.4	2.1	4.1	6.7
<u>5-year recurrence interval</u>									
.47	.50	.58	.63	.68	.74	.81	1.1	2.1	3.4
<u>10-year recurrence interval</u>									
.35	.38	.45	.49	.52	.56	.61	.84	1.4	2.4
<u>20-year recurrence interval</u>									
.28	.31	.37	.4	.42	.44	.48	.67	1.1	1.8

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
3.6	4.5	5.6	0.97	1.1	1.1	1.1	1.3	1.5	4.7	5.9	9.3
<u>10-year recurrence interval</u>											
1.5	1.8	2.2	.43	.52	.64	.44	.54	.61	1.6	2.0	3.3
<u>20-year recurrence interval</u>											
1.2	1.4	1.7	.35	.44	.55	.33	.42	.47	1.2	1.5	2.4

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
412	110	52	21	7.6	2.6	1.4	0.92	0.18	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07354100 Kisatchie Bayou at Lotus, La. (37)
(Formerly published as Kisatchie Bayou near Bellwood)

LOCATION.--Lat 31°29'04", long 93°08'19", NW1/4SE1/4 sec. 24, T. 6 N., R. 8 W., Natchitoches Parish, at right bank on downstream side of bridge on unnumbered parish road, 0.5 mi west of Lotus, 1.2 mi downstream from Sheard Branch, and 4.8 mi southeast of Bellwood.

DRAINAGE AREA.--140 mi².

PERIOD OF RECORD.--December 1979 to September 1992.

MEAN-DAILY MINIMUM FLOW.--2.8 ft³/s.

REMARKS.--Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
6.6	6.8	7.1	7.5	8.0	8.9	9.6	14	21	36
<u>5-year recurrence interval</u>									
3.7	3.8	4.0	4.1	4.4	4.9	5.4	7.0	11	17
<u>10-year recurrence interval</u>									
2.8	2.8	3.0	3.1	3.3	3.7	4.1	5.1	7.7	11
<u>20-year recurrence interval</u>									
2.2	2.3	2.4	2.5	2.6	2.9	3.3	3.9	6.0	7.8

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
25	30	40	9.2	10	12	6.7	7.4	9.3	37	44	66
<u>10-year recurrence interval</u>											
11	14	16	4.4	4.8	5.6	2.8	3.0	3.3	9.4	10	15
<u>20-year recurrence interval</u>											
8.6	11	11	3.6	4.0	4.5	2.2	2.3	2.4	6.0	6.3	8.8

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
3,990	824	414	154	51	18	8.9	6.2	3.8	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07354500 Horsepen Creek near Provençal, La. (38)

LOCATION.--Lat 31°36'05", long 93°12'05", in SW1/4 sec. 9, T. 7 N., R. 8 W., Natchitoches Parish, at bridge on State Highway 117, 3.5 mi south of Provençal, and 3.75 mi upstream from Sulphur Branch.

DRAINAGE AREA.--5.27 mi².

PERIOD OF RECORD.--October 1949 to September 1968.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0.13	0.13	0.15	0.15	0.17	0.22	0.23	0.31	0.47	0.65
<u>5-year recurrence interval</u>									
.08	.08	.09	.09	.10	.10	.12	.18	.27	.35
<u>10-year recurrence interval</u>									
0	0	.04	.07	.08	.08	.09	.14	.21	.27
<u>20-year recurrence interval</u>									
0	0	0	0	0	.04	.07	.12	.17	.22

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
0.48	0.58	0.70	0.15	0.18	0.21	0.16	0.20	0.24	0.57	0.69	0.85
<u>10-year recurrence interval</u>											
.20	.21	.24	.07	.07	.11	0	.04	.10	.24	.29	.41
<u>20-year recurrence interval</u>											
.15	.16	.18	0	.05	.09	0	0	0	.19	.24	.37

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
77	17	7.2	2.4	0.98	0.49	0.20	0.10	0.02	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07355000 Hemphill Creek near Hot Wells, La. (39)

LOCATION.--Lat 31°17'50", long 92°44'10", in SW1/4NW1/4 sec. 25, T. 4 N., R. 4 W., Rapides Parish, at bridge on State Highway 1200, and 3.25 mi southwest of Hot Wells.

DRAINAGE AREA.--18.0 mi².

PERIOD OF RECORD.--October 1948 to September 1964.

MEAN-DAILY MINIMUM FLOW.--5.3 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
6.9	6.9	7.0	7.1	7.2	7.3	7.4	8.1	9.3	12
<u>5-year recurrence interval</u>									
5.8	5.9	5.9	6.0	6.1	6.1	6.2	6.6	7.4	8.5
<u>10-year recurrence interval</u>									
5.4	5.4	5.5	5.5	5.6	5.7	5.7	6.0	6.6	7.1
<u>20-year recurrence interval</u>									
5.1	5.1	5.1	5.2	5.2	5.3	5.4	5.5	6.1	6.1

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
9.0	9.4	10	7.2	7.4	7.6	7.1	7.2	7.4	8.9	9.5	11
<u>10-year recurrence interval</u>											
6.9	7.0	7.5	5.5	5.6	5.7	5.5	5.7	5.8	6.5	6.8	7.0
<u>20-year recurrence interval</u>											
6.4	6.4	7.0	5.1	5.2	5.3	5.2	5.3	5.4	6.0	6.2	6.9

Flow, in ft³/s, which was exceeded for the indicated percentage of days
(Based on 1949-64, water years)

Percentage of days									
1	5	10	25	50	75	90	95	99	
337	86	35	17	11	8.2	6.7	6.1	5.4	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07355500 Red River at Alexandria, La. (41)

LOCATION.--Lat 31°18'46", long 92°26'34", in SE1/4 sec. 10, T. 4 N., R. 1 W., Rapides Parish, near center of span on downstream side of Murray Street bridge between Alexandria and Pineville, and 1.7 mi downstream from Bayou Rigolette.

DRAINAGE AREA.--67,500 mi², of which 5,936 mi² upstream from Denison Dam is noncontributing.

PERIOD OF RECORD.--October 1928 to September 1998. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--894 ft³/s.

REMARKS.--Significant trend and regulation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval
(Based on 1945-98, climatic years)

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
3,680	3,780	4,030	4,180	4,340	4,510	4,920	5,940	8,220	11,400
<u>5-year recurrence interval</u>									
2,430	2,520	2,660	2,750	2,850	2,950	3,180	3,650	4,750	6,520
<u>10-year recurrence interval</u>									
1,900	1,980	2,070	2,140	2,210	2,290	2,460	2,770	3,530	4,840
<u>20-year recurrence interval</u>									
1,530	1,590	1,660	1,710	1,760	1,830	1,950	2,180	2,750	3,780

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
13,000	14,800	17,700	4,890	5,470	6,030	4,000	4,260	4,620	7,560	8,660	10,600
<u>10-year recurrence interval</u>											
5,790	6,590	7,490	2,840	3,110	3,280	2,010	2,150	2,280	3,000	3,470	3,800
<u>20-year recurrence interval</u>											
4,650	5,320	5,910	2,480	2,690	2,800	1,610	1,770	1,880	2,350	2,710	2,860

Flow, in ft³/s, which was exceeded for the indicated percentage of days
(Based on 1945-98, water years)

Percentage of days									
1	5	10	25	50	75	90	95	99	
153,000	105,000	80,300	44,100	18,100	8,210	4,900	3,770	2,140	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07364200 Bayou Bartholomew near Jones, La. (42)

LOCATION.--Lat 32°59'25", long 91°39'20", in SE1/4SW1/4 sec. 9, T. 23 N., R. 8 E., Morehouse Parish, on downstream side of right pier of bridge on State Highway 834, 1.0 mi downstream from Arkansas-Louisiana State line, and 1.6 mi northwest of Jones.

DRAINAGE AREA.--1,187 mi².

PERIOD OF RECORD.--October 1957 to September 1999.

MEAN-DAILY MINIMUM FLOW.--2.3 ft³/s.

REMARKS.--Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
72	72	72	75	77	82	89	113	156	258
<u>5-year recurrence interval</u>									
32	33	37	39	41	44	47	64	89	147
<u>10-year recurrence interval</u>									
18	20	25	27	29	31	34	48	68	113
<u>20-year recurrence interval</u>									
11	13	18	20	22	23	26	39	56	92

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
430	498	596	83	83	93	78	82	87	291	346	416
<u>10-year recurrence interval</u>											
114	137	169	19	27	33	34	38	41	58	62	79
<u>20-year recurrence interval</u>											
79	95	119	11	20	26	27	31	33	36	38	49

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
6,560	5,000	3,870	2,100	564	167	82	60	33	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07364300 Chemin-a-Haut Bayou near Beekman, La. (43)

LOCATION.--Lat 32°58'55", long 91°48'20", in SE1/4 sec. 13, T. 23 N., R. 6 E., Morehouse Parish, at bridge on parish road, 1.5 mi downstream from Arkansas-Louisiana State line, and 6 mi northeast of Beekman.

DRAINAGE AREA.--271 mi².

PERIOD OF RECORD.--October 1955 to September 1979.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0.36	0.48	0.51	0.54	0.67	0.83	1.5	5.0	17	25
<u>5-year recurrence interval</u>									
0	.01	.05	.08	.13	.22	.39	1.5	7.6	11
<u>10-year recurrence interval</u>									
0	0	0	.02	.05	.11	.19	.76	5.0	7.6
<u>20-year recurrence interval</u>									
0	0	0	0	0	.06	.10	.42	3.6	5.8

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
4.1	6.7	13	1.3	2.5	3.5	0.50	0.68	0.84	4.7	7.4	14
<u>10-year recurrence interval</u>											
.37	.75	1.2	0	.02	.15	0	0	.07	.54	.68	1.6
<u>20-year recurrence interval</u>											
.19	.42	.64	0	0	.05	0	0	.01	.29	.33	.86

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
3,960	1,340	793	212	30	7.4	1.2	0.62	0.12	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07364500 Bayou Bartholomew near Beekman, La. (44)

LOCATION.--Lat 32°52'20", long 91°52'04", in SW1/4SW1/4 sec. 21, T. 22 N., R. 6 E., Morehouse Parish, near right bank on downstream side of pier of bridge on State Highway 139, 0.6 mi downstream from Bayou de Glaize, 3.6 mi south of Beekman, and 7.0 mi northwest of Bastrop courthouse.

DRAINAGE AREA.--1,645 mi².

PERIOD OF RECORD.--October 1938 to September 1959.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
126	129	130	132	134	135	139	153	213	328
<u>5-year recurrence interval</u>									
77	77	78	79	81	82	85	95	115	149
<u>10-year recurrence interval</u>									
57	58	59	60	62	64	68	78	88	100
<u>20-year recurrence interval</u>									
45	45	47	48	50	53	57	68	73	73

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
991	1,140	1,380	166	178	194	127	132	135	224	257	309
<u>10-year recurrence interval</u>											
353	399	460	70	74	79	70	74	78	66	72	77
<u>20-year recurrence interval</u>											
264	294	326	53	56	59	59	64	70	49	52	53

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
9,270	6,920	5,560	3,060	742	198	114	94	62	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07364700 Bayou de Loutre near Laran, La. (45)

LOCATION.--Lat 32°57'19", long 92°29'59", in NW1/4 sec. 29, T. 23 N., R. 1 W., Union Parish, near center of span on downstream side of bridge on parish road, 1.5 mi southwest of Laran, 1.5 mi downstream from Lion Creek, and 3.0 mi upstream from bridge on State Highway 550.

DRAINAGE AREA.--141 mi².

PERIOD OF RECORD.--October 1955 to September 1977.

MEAN-DAILY MINIMUM FLOW.--1 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
8.1	8.3	9.1	9.8	10.7	12	14	19	33	48
<u>5-year recurrence interval</u>									
4.2	4.3	4.7	5.0	5.6	6.2	7.2	9.9	19	27
<u>10-year recurrence interval</u>									
2.8	2.9	3.2	3.4	3.8	4.2	5.0	7.0	14	20
<u>20-year recurrence interval</u>									
1.9	2.1	2.3	2.4	2.7	2.9	3.7	5.3	11	16

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
21	26	34	8.0	9.2	11	11	14	16	47	52	66
<u>10-year recurrence interval</u>											
9.6	10	12	2.8	3.2	3.8	5.5	6.5	7.5	17	22	30
<u>20-year recurrence interval</u>											
7.8	8.0	9.3	2.0	2.3	2.7	4.6	5.3	6.1	12	17	24

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,710	699	446	176	65	25	12	8.3	4.7	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07365000 Bayou D'Arbonne near Dubach, La. (46)

LOCATION.--Lat 32°40'50", long 92°39'10", in SW1/4NW1/4 sec. 35, T. 20 N., R. 3 W., Lincoln Parish, at bridge on U.S. Highway 167, 1.5 mi south of Dubach, and 8 mi upstream from Middle Fork Bayou D'Arbonne.

DRAINAGE AREA.--355 mi².

PERIOD OF RECORD.--October 1940 to December 1968.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0.23	0.28	0.29	0.30	0.40	0.61	0.91	2.9	12	27
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	.12	1.7	5.1
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.62	2.0
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.26	.93

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
55	74	102	0.80	1.1	1.4	0.45	0.50	0.73	27	41	63
<u>10-year recurrence interval</u>											
10	15	22	0	0	.03	0	0	0	.89	1.3	2.5
<u>20-year recurrence interval</u>											
6.1	8.5	13	0	0	0	0	0	0	.27	.38	.79

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
4,070	1,750	1,090	439	113	10	0.82	0.41	0.08	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07365500 Middle Fork Bayou D'Arbonne near Bernice, La. (47)

LOCATION.--Lat 32°45'50", long 92°39'30", in NE1/4SE1/4 sec. 34, T. 21 N., R. 3 W., Union Parish, at bridge on U.S. Highway 167, 4 mi south of Bernice, and 8 mi upstream from mouth.

DRAINAGE AREA.--178 mi².

PERIOD OF RECORD.--October 1940 to September 1970. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0	0.35	2.7	13
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.19	2.6
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.03	1.0
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.46

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
27	39	58	0	0	0.08	0	0	0	17	26	34
<u>10-year recurrence interval</u>											
5.8	8.1	12	0	0	0	0	0	0	.56	1.0	2.2
<u>20-year recurrence interval</u>											
3.5	4.9	7.2	0	0	0	0	0	0	0	0	.85

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
2,130	911	593	243	52	2.4	0.49	0.25	0.05	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07366000 Corney Bayou near Lillie, La. (48)

LOCATION.--Lat 32°53'15", long 92°39'25", in NE1/4NE1/4 sec. 22, T. 22 N., R. 3 W., Union Parish, at bridge on U.S. Highway 167, 2 mi upstream from Little Corney Bayou, and 3 mi south of Lillie.

DRAINAGE AREA.--462 mi².

PERIOD OF RECORD.--October 1940 to September 1957.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
1.7	1.8	2.0	2.2	2.7	3.1	3.8	5.4	18	35
<u>5-year recurrence interval</u>									
.15	.17	.19	.21	.24	.26	.34	.63	3.7	10
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	.17	1.4	5.3
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	.05	.56	2.9

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
78	103	141	6.0	7.5	11	1.9	2.2	2.8	42	63	82
<u>10-year recurrence interval</u>											
20	23	29	.72	.93	1.3	0	0	0	1.6	2.2	3.6
<u>20-year recurrence interval</u>											
13	14	17	.38	.49	.68	0	0	0	.45	.58	1.1

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
5,290	2,070	1,220	509	106	17	2.8	0.75	0.15	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07366200 Little Corney Bayou near Lillie, La. (49)

LOCATION.--Lat 32°55'43", long 92°37'58", in NW1/4 sec. 1, T. 22 N., R. 3 W., Union Parish, left bank on downstream side of bridge on State Highway 15, 1.4 mi east of Lillie, and 2.6 mi upstream from mouth.

DRAINAGE AREA.--208 mi².

PERIOD OF RECORD.--October 1955 to September 1999.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
1.6	1.8	2.2	2.5	3.6	4.0	4.8	9.3	18	34
<u>5-year recurrence interval</u>									
.18	.24	.35	.48	.51	.78	1.4	3.2	7.3	15
<u>10-year recurrence interval</u>									
0	.01	.06	.11	.12	.26	.66	1.7	4.6	9.6
<u>20-year recurrence interval</u>									
0	0	0	0	.03	.10	.34	.96	3.1	6.6

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
21	27	37	2.3	3.0	4.4	3.1	4.4	7.5	39	45	61
<u>10-year recurrence interval</u>											
6.0	7.7	10	.14	.28	.44	.11	.24	.27	13	16	21
<u>20-year recurrence interval</u>											
4.1	5.2	7.1	0	.10	.20	0	.01	.06	9.3	12	16

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
2,200	856	542	206	53	16	4.6	2.2	0.41	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07367000 Ouachita River at Monroe, La. (50)

LOCATION.--Lat 32°30'19", long 92°07'32", in lot 50, T. 18 N., R. 3 E., Ouachita Parish, near center of span on downstream side of bridge on U.S. Highway 80 at Monroe, 0.4 mi upstream from Illinois Central Railroad bridge, and 5.5 mi upstream from lock and dam No. 4.

DRAINAGE AREA.--15,298 mi².

PERIOD OF RECORD.--January 1929 to September 1975. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--72 ft³/s.

REMARKS.--Significant trend and regulation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
736	860	980	1,080	1,190	1,260	1,370	1,710	2,810	3,960
<u>5-year recurrence interval</u>									
309	384	442	495	549	585	624	751	1,180	1,630
<u>10-year recurrence interval</u>									
185	236	273	308	343	369	390	459	670	925
<u>20-year recurrence interval</u>									
117	153	177	201	225	245	257	296	392	547

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
9,380	12,000	15,400	973	1,430	1,810	802	1,120	1,340	2,640	3,730	4,920
<u>10-year recurrence interval</u>											
1,140	1,610	2,280	213	324	398	168	256	310	452	734	926
<u>20-year recurrence interval</u>											
557	792	1,120	127	190	228	102	156	186	273	451	545

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
72,800	55,600	47,200	32,300	12,000	3,060	1,220	707	110	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07367630 Ouachita River at Columbia Lock and Dam, near Riverton, La. (51)

LOCATION.--Lat 32°10'00", long 92°06'45", on line between NE1/4 and SE1/4 sec. 25, T. 14 N., R. 3 E., Caldwell Parish, ear left bank on upstream end of lock wall of Columbia Lock and Dam on the Ouachita River, 1.0 mi northwest of Riverton, and 4.0 mi northwest of Columbia.

DRAINAGE AREA.--15,630 mi².

PERIOD OF RECORD.--October 1975 to May 1999. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--900 ft³/s.

REMARKS.-- Substantial regulation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
1,070	1,110	1,220	1,270	1,350	1,490	1,670	2,200	3,060	5,540
<u>5-year recurrence interval</u>									
984	997	1,030	1,060	1,110	1,180	1,290	1,590	2,090	3,630
<u>10-year recurrence interval</u>									
965	971	986	998	1,040	1,070	1,160	1,390	1,730	2,980
<u>20-year recurrence interval</u>									
958	960	963	968	1,000	1,010	1,080	1,250	1,490	2,560

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
5,580	8,000	10,800	1,310	1,540	1,780	1,100	1,340	1,550	5,630	7,480	8,420
<u>10-year recurrence interval</u>											
1,150	1,900	3,460	959	1,080	1,180	974	1,080	1,150	1,730	2,250	2,480
<u>20-year recurrence interval</u>											
768	1,290	2,570	903	1,000	1,070	900	911	946	1,280	1,630	1,780

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
67,700	51,600	44,000	32,200	12,000	3,040	1,640	1,290	1,070	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07367700 Boeuf River near Arkansas-Louisiana State Line (52)

LOCATION.--Lat 32°58'25", long 91°26'25", in NE1/4NE1/4 sec. 21, T. 23 N., R. 10 E., Morehouse-West Carroll Parish line, near left bank on downstream side of bridge on State Highway 835, 2.0 mi downstream from Arkansas-Louisiana State line, and 7.5 mi southwest of Kilbourne.

DRAINAGE AREA.--785 mi².

PERIOD OF RECORD.--October 1957 to September 1968.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.--Substantial regulation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
30	31	34	37	39	50	53	59	109	150
<u>5-year recurrence interval</u>									
11	14	19	22	25	27	31	40	69	87
<u>10-year recurrence interval</u>									
0	0	0	0	0	9.7	22	36	58	71
<u>20-year recurrence interval</u>									
0	0	0	0	0	4.5	17	34	52	62

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
87	106	117	33	42	52	44	48	53	77	89	135
<u>10-year recurrence interval</u>											
46	50	53	3.7	9.9	17	31	33	33	36	39	66
<u>20-year recurrence interval</u>											
39	41	46	0	0	0	29	30	30	30	34	56

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
12,500	4,770	2,380	710	189	84	52	40	17	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07368000 Boeuf River near Girard, La. (53)

LOCATION.--Lat 32°28'52", long 91°47'52", Richland Parish, on line between sec. 1, T. 17 N., R. 6 E., and sec. 6, T. 17 N., R. 7 E., on downstream side of bridge on U.S. Highway 80, and 0.5 mi east of Girard.

DRAINAGE AREA.--1,226 mi².

PERIOD OF RECORD.--October 1938 to September 1999.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.-- Significant trend and regulation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
20	21	23	24	26	27	27	35	47	62
<u>5-year recurrence interval</u>									
6.1	6.3	6.4	6.5	6.6	7.4	8.8	14	20	32
<u>10-year recurrence interval</u>									
2.4	2.5	2.6	2.7	2.7	3.1	4.4	8.4	13	24
<u>20-year recurrence interval</u>									
0	0	0	.23	.57	1.4	2.4	5.4	8.7	19

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
46	51	56	22	30	34	24	26	29	38	44	62
<u>10-year recurrence interval</u>											
4.5	5.4	8.1	1.3	3.0	3.0	3.6	4.2	4.9	8.7	12	16
<u>20-year recurrence interval</u>											
1.9	2.7	4.7	0	0	.14	1.3	2.1	2.6	5.9	8.7	11

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
2,320	1,510	982	286	90	34	14.5	8.2	1.0	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07368500 Big Colewa Bayou near Oak Grove, La. (54)

LOCATION.--Lat 32°47'55", long 91°30'05", in NE1/4 sec. 24, T. 21 N., R. 9 E., West Carroll Parish, on downstream side near center of bridge on State Highway 2, 0.1 mi downstream from Little Colewa Bayou, and 8 mi southwest of Oak Grove.

DRAINAGE AREA.--42 mi².

PERIOD OF RECORD.--October 1949 to September 1977.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.-- Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0	0.05	1.3	5.4
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.18	1.7
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.02	.75
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.19

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
0	0.02	0.17	0	0	0	0	0	0	0.15	0.58	1.6
<u>10-year recurrence interval</u>											
0	0	0	0	0	0	0	0	0	0	0	0
<u>20-year recurrence interval</u>											
0	0	0	0	0	0	0	0	0	0	0	0

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
842	314	143	16	1.8	0.58	0.23	0.12	0.02	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07369500 Tensas River at Tendal, La. (55)

LOCATION.--Lat 32°25'55", long 91°22'00", in NW1/4 sec. 29, T. 17 N., R. 11 E., Madison Parish, near right bank on upstream side of bridge on U.S. Highway 80 at Tendal, 200 ft upstream from Illinois Central Gulf Railroad bridge, and 2.8 mi east of Waverly.

DRAINAGE AREA.--309 mi².

PERIOD OF RECORD.--April 1936 to September 1999.

MEAN-DAILY MINIMUM FLOW.--1.7 ft³/s.

REMARKS.--Small diversions upstream from station for irrigation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
7.5	7.8	8.5	9.0	9.8	11	12	16	31	62
<u>5-year recurrence interval</u>									
4.5	4.8	5.2	5.5	5.9	6.5	7.3	9.0	15	28
<u>10-year recurrence interval</u>									
3.6	3.8	4.1	4.3	4.7	5.1	5.8	6.8	11	18
<u>20-year recurrence interval</u>									
3.0	3.2	3.5	3.6	3.9	4.2	4.9	5.6	8.4	13

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
35	41	54	16	19	23	8.0	9.0	10	20	27	45
<u>10-year recurrence interval</u>											
12	16	19	6.0	7.4	10	3.8	4.2	4.7	6.2	7.0	9.3
<u>20-year recurrence interval</u>											
8.9	12	14	4.4	5.7	8.1	3.1	3.5	3.9	4.6	5.0	6.1

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
2,890	1,740	1,140	431	80	25	12	8.3	4.6	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07369700 Bayou Macon near Kilbourne, La. (56)

LOCATION.--Lat 32°59'35", long 91°15'45", in SW2/4SE1/4 sec. 8, T. 23 N., R. 12 E., East Carroll-West Carroll Parish line, near center of channel on downstream side of bridge on State Highway 585, 0.8 mi south of Arkansas-Louisiana State line, and 3 mi east of Kilbourne.

DRAINAGE AREA.--504 mi².

PERIOD OF RECORD.--October 1957 to September 1968.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.-- Significant trend and regulation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
33	41	43	47	50	49	54	70	96	113
<u>5-year recurrence interval</u>									
16	13	15	17	19	25	30	40	61	73
<u>10-year recurrence interval</u>									
0	6.0	7.7	8.3	10	17	22	31	51	63
<u>20-year recurrence interval</u>									
0	2.8	4.0	4.2	5.6	13	18	26	46	58

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
86	108	141	39	53	62	60	66	72	75	89	138
<u>10-year recurrence interval</u>											
21	28	38	8.1	8.6	11	25	26	28	20	24	39
<u>20-year recurrence interval</u>											
13	19	25	0	4.4	6.2	18	19	21	15	18	29

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
3,600	2,050	1,350	676	190	87	52	38	18	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07370000 Bayou Macon near Delhi, La. (57)

LOCATION.--Lat 32°27'25", long 91°28'30", in NE1/4SE1/4 sec. 18, T. 17 N., R. 10 E., Madison-Richland Parish line, near right bank on downstream side of bridge on U.S. Highway 80, 0.2 mi upstream from Illinois Central Gulf Railroad bridge, and 1.0 mi east of Delhi.

DRAINAGE AREA.--782 mi².

PERIOD OF RECORD.--October 1935 to September 1992.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.-- Substantial regulation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
86	106	110	111	113	114	134	149	196	269
<u>5-year recurrence interval</u>									
38	42	49	53	62	68	72	93	125	164
<u>10-year recurrence interval</u>									
20	22	24	33	44	50	56	74	101	129
<u>20-year recurrence interval</u>									
7.8	10	16	20	31	38	44	62	85	106

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
319	408	405	108	122	142	106	114	126	178	213	278
<u>10-year recurrence interval</u>											
58	61	103	21	40	50	57	65	73	74	80	93
<u>20-year recurrence interval</u>											
24	28	66	7.7	22	33	48	55	63	60	63	70

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
6,500	3,640	2,720	1,270	405	171	110	85	50	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07370500 Castor Creek near Grayson, La. (58)

LOCATION.--Lat 32°04'55", long 92°12'25", in SW1/4NW1/4 sec. 30, T. 13 N., R. 3 E., Caldwell Parish, at bridge on State Highway 126, 6 mi upstream from Bayou Beaucoup, and 6.5 mi northwest of Grayson.

DRAINAGE AREA.--271 mi².

PERIOD OF RECORD.--October 1940 to September 1970.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0.03	0.08	0.18	0.30	1.3	5.5	14
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.55	2.5
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.10	.88
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.01	.34

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
12	16	26	0.11	0.26	0.63	0	0.10	0.39	18	18	30
<u>10-year recurrence interval</u>											
1.6	2.3	3.6	0	0	0	0	0	0	0	3.1	5.9
<u>20-year recurrence interval</u>											
.73	1.1	1.8	0	0	0	0	0	0	0	1.5	3.0

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
3,210	1,060	601	219	35	4.2	0.62	0.31	0.06	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07371000 Garrett Creek at Jonesboro, La. (59)

LOCATION.--Lat 32°13'55", long 92°43'35", in NE1/4NE1/4 sec. 1, T. 14 N., R. 4 W., Jackson Parish, near right bank on downstream side of bridge on State Highway 4, 0.3 mi southwest of Jonesboro city limits and 0.9 mi upstream from Little Dugdemona River.

DRAINAGE AREA.--2.14 mi².

PERIOD OF RECORD.--October 1952 to September 1970.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.04	0.08	0.14
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	.01	.03	.05
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.02	.03
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.02	.02

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
0.05	0.07	0.11	0.01	0.01	0.01	0.02	0.02	0.02	0.06	0.10	0.16
<u>10-year recurrence interval</u>											
.01	.03	.03	0	0	0	0	0	0	.01	.02	.03
<u>20-year recurrence interval</u>											
0	.02	.02	0	0	0	0	0	0	0	0	0

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
47	8.8	2.9	0.93	0.62	0.31	0.12	0.06	0.01	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07371500 Dugdemona River near Jonesboro, La. (60)

LOCATION.--Lat 32°12'25", long 92°48'05", in SW1/4 sec. 8, T. 14 N., R. 4 W., Bienville - Jackson Parish line, on left bank just upstream from bridge on State Highway 4, 200 ft downstream from Brush Creek, 1.5 mi downstream from McDonald Creek, and 5.4 mi west of Jackson Parish courthouse in Jonesboro.

DRAINAGE AREA.--355 mi².

PERIOD OF RECORD.--October 1938 to September 1996. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--0.4 ft³/s.

REMARKS.--Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
6.2	7.1	8.5	9.4	10	11	12	15	23	41
<u>5-year recurrence interval</u>									
2.5	2.9	3.5	3.9	4.2	4.8	5.5	6.6	9.3	14
<u>10-year recurrence interval</u>									
1.4	1.6	1.9	2.1	2.2	2.7	3.1	3.7	5.5	8.0
<u>20-year recurrence interval</u>									
.84	.94	1.1	1.1	1.2	1.5	1.8	2.2	3.4	4.8

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
38	50	74	8.8	12	15	7.4	9.9	12	40	53	74
<u>10-year recurrence interval</u>											
13	16	23	1.8	2.5	2.8	1.9	2.6	3.1	6.7	8.0	9.6
<u>20-year recurrence interval</u>											
9.4	11	16	1.0	1.3	1.5	1.2	1.5	1.8	3.7	4.2	4.8

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
5,010	1,940	1,090	373	76	20	8.8	5.6	1.7	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07372000 Dugdemona River near Winnfield, La. (62)

LOCATION.--Lat 31°58'30", long 92°39'10" on line between secs. 34 and 35, T. 12 N., R. 3 W., Winn Parish, on right bank just downstream from bridge on U.S. Highway 167, 300 ft upstream from Chicago, Rock Island and Pacific Railroad Company bridge, 2.4 mi downstream from Kyiaies Creek, and 3.5 mi north of Winnfield.

DRAINAGE AREA.--654 mi².

PERIOD OF RECORD.--October 1939 to September 1977.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.--Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
6.3	6.7	7.7	8.1	8.8	11	13	17	33	61
<u>5-year recurrence interval</u>									
1.3	1.4	1.6	1.8	1.9	2.7	3.6	5.2	8.7	17
<u>10-year recurrence interval</u>									
.21	.22	.25	.35	.57	.99	1.4	2.5	4.0	8.3
<u>20-year recurrence interval</u>									
0	0	.03	.06	.13	.30	.51	1.1	2.1	4.7

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
51	67	104	8.0	12	17	8.7	13	14	52	69	100
<u>10-year recurrence interval</u>											
13	17	23	1.1	2.0	2.0	.46	.62	1.1	5.7	7.0	9.9
<u>20-year recurrence interval</u>											
8.5	11	15	0	.17	.27	0	.10	.25	2.9	3.4	4.8

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
7,580	3,100	1,930	790	143	22	8.3	5.0	0.64	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07372200 Little River near Rochelle, La. (63)

LOCATION.--Lat 31°45'15", long 92°20'40", in NW1/4 sec. 41, T. 9 N., R. 1 E., Grant-La Salle Parish line, near right bank on downstream side of pier of bridge on State Highway 500, 700 ft upstream from Louisiana Midland Railway Company bridge, 1.1 mi northeast of Zenoria, and 3.0 mi southeast of Rochelle.

DRAINAGE AREA.--Total drainage area is 1,899 mi²; contributing, 1,880 mi².

PERIOD OF RECORD.--October 1957 to September 1999. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
26	26	28	29	30	33	38	56	110	222
<u>5-year recurrence interval</u>									
18	18	19	19	20	22	24	30	53	100
<u>10-year recurrence interval</u>									
15	15	16	16	17	18	19	23	37	66
<u>20-year recurrence interval</u>									
13	14	14	14	15	16	17	18	28	47

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
204	260	361	41	47	57	25	27	29	206	279	417
<u>10-year recurrence interval</u>											
66	79	98	21	22	24	15	16	18	39	47	65
<u>20-year recurrence interval</u>											
47	56	67	18	19	20	14	15	17	24	28	37

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
12,900	9,880	6,650	2,530	478	96	38	29	19	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07372500 Bayou Funny Louis near Trout, La. (64)

LOCATION.--Lat 31°43'00", long 92°13'20", in SE1/4NW1/4 sec. 36, T. 9 N., R. 2 E., LaSalle Parish, at bridge on U.S. Highway 84, 3 mi northwest of Trout and 12 mi upstream from mouth.

DRAINAGE AREA.--92 mi².

PERIOD OF RECORD.--May 1939 to September 1970.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0.15	0.17	0.20	0.23	0.26	0.30	0.41	1.0	2.7	7.4
<u>5-year recurrence interval</u>									
0	0	0	.02	.03	.07	.12	.34	1.0	2.5
<u>10-year recurrence interval</u>									
0	0	0	0	0	.02	.05	.19	.64	1.4
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	.02	.12	.45	.89

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
3.7	4.8	5.9	0.35	0.46	0.68	0.21	0.26	0.34	1.8	2.8	5.9
<u>10-year recurrence interval</u>											
.89	1.1	1.7	.02	.06	.08	0	0	0	.32	.35	.86
<u>20-year recurrence interval</u>											
.49	.58	1.2	0	0	.03	0	0	0	.17	.18	.48

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,770	716	286	52	8.4	1.4	0.50	0.25	0.05	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07373000 Big Creek at Pollock, La. (65)
(Hydrologic bench-mark station)

LOCATION.--Lat 31°32'10", long 92°24'30", in SW1/4SE1/4 sec. 31, T. 7 N., R. 1 E., Grant Parish, near right bank on downstream side of bridge on U.S. Highway 165, 0.5 mi upstream from Sugar Branch, 0.8 mi upstream from diversion dam, 0.8 mi north of Pollock, and 1.3 mi downstream from Dyson Creek.

DRAINAGE AREA.--51 mi².

PERIOD OF RECORD.--January 1942 to September 1999.

MEAN-DAILY MINIMUM FLOW.--3.9 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
13	13	13	14	14	15	15	17	20	26
<u>5-year recurrence interval</u>									
9.3	9.4	9.8	10	10	11	12	13	15	18
<u>10-year recurrence interval</u>									
7.6	7.8	8.1	8.4	8.6	9.1	9.7	11	12	15
<u>20-year recurrence interval</u>									
6.4	6.5	6.9	7.1	7.4	7.8	8.4	9.5	11	13

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
22	24	27	14	15	16	14	14	15	22	25	29
<u>10-year recurrence interval</u>											
13	15	16	8.4	9.1	9.7	7.8	8.2	9.0	14	15	18
<u>20-year recurrence interval</u>											
12	13	14	7.3	7.9	8.5	6.5	6.9	7.5	12	13	15

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
671	184	97	52	30	20	14	12	8.3	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07373250 Hemphill Creek at Nebo, La. (66)

LOCATION.--Lat 31°35'04", long 92°07'55", in NW1/4NE1/4 in sec. 39, T. 7 N., R. 3 E., LaSalle Parish, at left bank on downstream side of bridge on State Highway 460, 0.6 mi east of Nebo, 1.4 mi upstream from Mason Creek, and 2.2 mi downstream from Mill Creek.

DRAINAGE AREA.--35.3 mi².

PERIOD OF RECORD.--September 1978 to September 1996.

MEAN-DAILY MINIMUM FLOW.--8.5 ft³/s.

REMARKS.-- Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
16	16	17	17	17	18	19	20	22	28
<u>5-year recurrence interval</u>									
13	13	14	14	14	15	15	17	19	22
<u>10-year recurrence interval</u>									
12	12	12	12	12	13	13	14	17	19
<u>20-year recurrence interval</u>									
10	10	11	11	11	11	11	13	16	17

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
23	25	27	17	18	19	17	17	18	23	25	28
<u>10-year recurrence interval</u>											
16	17	18	12	12	13	13	14	15	18	19	20
<u>20-year recurrence interval</u>											
14	15	16	10	11	11	11	13	13	17	17	18

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
758	165	81	44	28	21	17	16	12	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07373500 West Fork Thompson Creek near Wakefield, La. (67)

LOCATION.--Lat 30°55'20", long 91°17'35", in lot 43, T. 1 S., R. 2 W., St. Helena Meridian, West Feliciana Parish, at bridge on State Highway 421, 3.5 mi northeast of Wakefield, and 4.5 mi upstream from Middle Fork Thompson Creek.

DRAINAGE AREA.--35.3 mi².

PERIOD OF RECORD.--October 1949 to September 1970.

MEAN-DAILY MINIMUM FLOW.--2.2 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
3.3	3.4	3.7	3.7	3.9	4.0	4.3	5.8	9.5	13
<u>5-year recurrence interval</u>									
2.7	2.7	2.9	3.0	3.1	3.3	3.6	4.3	6.4	8.3
<u>10-year recurrence interval</u>									
2.4	2.5	2.6	2.7	2.8	3.0	3.2	3.7	5.3	6.8
<u>20-year recurrence interval</u>									
2.2	2.2	2.4	2.5	2.6	2.8	3.0	3.3	4.4	5.8

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
5.9	7.0	7.9	3.8	4.3	4.9	3.7	3.9	4.1	5.3	6.1	7.0
<u>10-year recurrence interval</u>											
3.8	4.4	5.1	2.6	3.0	3.2	2.6	2.9	3.1	3.9	4.3	5.5
<u>20-year recurrence interval</u>											
3.3	3.8	4.5	2.3	2.6	2.9	2.4	2.7	2.9	3.6	3.9	5.3

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
788	135	52	17	8.2	5.5	4.2	3.7	3.0	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07375000 Tchefuncte River near Folsom, La. (69)

LOCATION.--Lat 30°36'55", long 90°14'55", on line between SE1/4NE1/4 and SW1/4NE1/4 sec. 13, T. 5 S., R. 9 E., St. Helena Meridian, Tangipahoa Parish, near center of span on downstream side of bridge on State Highway 40, 1.2 mi upstream from Bull Branch, and 3.6 mi southwest of Folsom.

DRAINAGE AREA.--95.5 mi².

PERIOD OF RECORD.--October 1943 to September 1999.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
43	44	44	44	44	45	47	51	61	73
<u>5-year recurrence interval</u>									
36	36	37	38	38	39	40	43	49	55
<u>10-year recurrence interval</u>									
32	32	34	35	35	36	37	39	44	48
<u>20-year recurrence interval</u>									
29	29	32	33	33	33	34	36	40	43

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
56	60	63	46	48	50	43	44	45	58	61	68
<u>10-year recurrence interval</u>											
43	44	46	35	37	38	34	34	36	44	45	48
<u>20-year recurrence interval</u>											
40	41	42	31	34	36	31	32	33	41	41	44

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,570	543	302	129	73	53	44	40	34	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07375500 Tangipahoa River at Robert, La. (70)

LOCATION.--Lat 30°30'23", long 90°21'42", on line between secs. 39 and 40, T. 6 S., R. 8 E., St. Helena Meridian, Tangipahoa Parish, near left bank on downstream side of bridge on U.S. Highway 190, 1.2 mi west of Robert, 2.8 mi downstream from Chapepeela Creek, and 6.0 mi east of Hammond.

DRAINAGE AREA.--646 mi².

PERIOD OF RECORD.--October 1938 to September 1999.

MEAN-DAILY MINIMUM FLOW.--245 ft³/s.

REMARKS.--Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
384	386	392	396	401	407	416	452	522	620
<u>5-year recurrence interval</u>									
323	325	329	333	337	342	350	376	421	482
<u>10-year recurrence interval</u>									
293	295	299	302	306	311	319	342	376	421
<u>20-year recurrence interval</u>									
269	271	275	278	282	286	294	316	343	376

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
498	523	546	419	435	456	393	400	409	491	526	578
<u>10-year recurrence interval</u>											
373	386	403	319	329	346	296	302	309	350	366	387
<u>20-year recurrence interval</u>											
344	357	378	294	304	321	272	277	283	316	328	347

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
9,710	3,700	2,130	1,080	652	480	386	351	293	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07375800 Tickfaw River at Liverpool, La. (71)

LOCATION.--Lat 30°55'50", long 90°40'24", on line between secs. 46 and 47, T. 1 S., R. 5 E., St. Helena Meridian, St. Helena Parish, near left bank on downstream side of bridge on State Highway 38, 0.2 mi east of intersection of State Highways 38 and 441, 0.5 mi upstream from Cotton Patch Branch, and 1.0 mi north of Liverpool.

DRAINAGE AREA.--89.7 mi².

PERIOD OF RECORD.-- April 1956 to September 1981. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--29 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
37	38	38	38	39	39	40	43	49	55
<u>5-year recurrence interval</u>									
33	33	34	34	34	35	36	38	42	44
<u>10-year recurrence interval</u>									
31	31	32	32	32	33	34	36	39	40
<u>20-year recurrence interval</u>									
30	30	30	31	31	31	32	34	37	37

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
43	45	47	39	40	41	38	38	39	45	46	50
<u>10-year recurrence interval</u>											
36	37	38	31	32	34	32	32	33	36	37	38
<u>20-year recurrence interval</u>											
34	35	36	30	31	32	30	31	32	34	35	36

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,310	357	165	79	55	44	38	33	29	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07376000 Tickfaw River at Holden, La. (72)

LOCATION.--Lat 30°30'13", long 90°40'38", in SE1/4NE1/4 sec. 26, T. 6 S., R. 5 E., St. Helena Meridian, Livingston Parish, near left bank on downstream side of bridge on U.S. Highway 190, 0.5 mi west of Holden, and 5.1 mi upstream from Big Branch.

DRAINAGE AREA.--247 mi².

PERIOD OF RECORD.--October 1940 to September 1999.

MEAN-DAILY MINIMUM FLOW.--65 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
95	95	97	98	99	100	103	111	130	159
<u>5-year recurrence interval</u>									
83	83	84	85	86	87	90	94	107	125
<u>10-year recurrence interval</u>									
77	77	78	79	80	81	83	88	98	112
<u>20-year recurrence interval</u>									
72	72	73	74	75	76	78	83	91	103

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
128	134	142	105	109	114	96	98	100	123	135	150
<u>10-year recurrence interval</u>											
102	105	109	82	86	89	77	79	81	92	95	99
<u>20-year recurrence interval</u>											
96	99	104	76	80	83	72	75	77	86	86	91

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
3,640	1,510	807	325	169	121	100	90	77	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07376500 Natalbany River at Baptist, La. (73)

LOCATION.--Lat 30°30'15", long 90°32'45", in NE1/4NW1/4 sec. 30, T. 6 S., R. 7 E., St. Helena Meridian, Tangipahoa Parish, near right bank on downstream side of bridge on U.S. Highway 190, 0.7 mi downstream from Still Branch, and 0.7 mi west of Baptist.

DRAINAGE AREA.--79.5 mi².

PERIOD OF RECORD.--September 1943 to September 1999.

MEAN-DAILY MINIMUM FLOW.--1.8 ft³/s.

REMARKS.--Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
6.3	6.5	6.7	6.9	7.0	7.4	8.2	11	20	32
<u>5-year recurrence interval</u>									
4.0	4.1	4.3	4.4	4.5	4.8	5.3	7.0	13	19
<u>10-year recurrence interval</u>									
3.1	3.2	3.3	3.4	3.6	3.7	4.2	5.5	9.8	14
<u>20-year recurrence interval</u>									
2.5	2.6	2.7	2.8	2.9	3.0	3.4	4.5	8.0	11

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
14	16	19	8.8	9.7	11	6.7	7.1	7.6	11	14	19
<u>10-year recurrence interval</u>											
7.6	8.3	9.6	4.1	4.6	5.5	3.4	3.7	3.9	4.6	5.1	6.5
<u>20-year recurrence interval</u>											
6.4	6.9	8.1	3.3	3.7	4.5	2.7	3.1	3.2	3.5	3.8	4.7

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,750	557	256	74	26	13	7.4	5.4	3.4	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07377000 Amite River near Darlington, La. (74)

LOCATION.--Lat 30°53'20", long 90°50'40", in sec. 72, T. 2 S., R. 4 E., St. Helena Meridian, St. Helena Parish, near center of span on downstream side of bridge on State Highway 10, 1.5 mi upstream from Collins Creek, and 4.0 mi west of Darlington.

DRAINAGE AREA.--580 mi².

PERIOD OF RECORD.--October 1950 to September 1999.

MEAN-DAILY MINIMUM FLOW.--188 ft³/s.

REMARKS.-- Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
245	248	250	252	256	262	271	296	349	409
<u>5-year recurrence interval</u>									
215	217	219	221	224	228	235	252	284	319
<u>10-year recurrence interval</u>									
203	204	206	208	210	214	220	233	257	284
<u>20-year recurrence interval</u>									
194	195	197	198	201	205	209	220	238	260

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
330	349	369	268	281	295	248	254	263	325	363	413
<u>10-year recurrence interval</u>											
254	265	277	214	223	232	205	209	215	242	254	275
<u>20-year recurrence interval</u>											
238	247	261	202	209	218	196	200	204	224	230	247

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
9,990	3,350	1,700	759	440	312	261	236	208	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07377500 Comite River near Olive Branch, La. (75)

LOCATION.--Lat 30°45'21", long 91°02'38", in sec. 41, T. 3 S., R. 2 E., St. Helena Meridian, East Feliciana Parish, near center of span on downstream side of bridge on State Highway 67, 1,000 ft downstream from Knighton Bayou, and 1.3 mi northeast of Olive Branch.

DRAINAGE AREA.--145 mi².

PERIOD OF RECORD.--October 1942 to September 1999.

MEAN-DAILY MINIMUM FLOW.--29 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
43	44	45	45	46	47	49	54	70	92
<u>5-year recurrence interval</u>									
37	38	39	39	40	41	42	45	55	68
<u>10-year recurrence interval</u>									
34	35	36	36	37	38	39	42	49	59
<u>20-year recurrence interval</u>									
32	33	34	34	35	35	37	40	45	52

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
59	63	66	47	50	53	45	46	48	61	67	79
<u>10-year recurrence interval</u>											
45	48	52	37	39	41	35	37	38	46	49	55
<u>20-year recurrence interval</u>											
42	45	50	35	37	39	33	34	35	43	46	50

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
3,030	1,020	436	150	82	58	47	43	36	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07377755 White Bayou East Diversion Channel near Baton Rouge, La. (77)

LOCATION.--Lat 30°37'00", long 91°06'55", in SE1/4 lot 16, T.5 S., R. 2 E., St. Helena Meridian, East Baton Rouge Parish, near center of span on downstream side of bridge on State Highway 67 (Plank Road), 1.0 mi downstream from point of diversion, 2.16 mi upstream from mouth, and 6.5 mi northeast of terminal building at Ryan Airport, at Baton Rouge.

DRAINAGE AREA.-- Indeterminate.

PERIOD OF RECORD.--September 1972 to September 1984.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0	0.04	0.18	0.72
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	.01	.11	.29
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	.01	.09	.19
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.07	.13

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February			
Days												
1	7	14	1	7	14	1	7	14	1	7	14	
<u>2-year recurrence interval</u>												
0.01	0.01	0.02	0	0	0	0	0	0	0	0.03	0.06	0.11
<u>10-year recurrence interval</u>												
0	0	0	0	0	0	0	0	0	0	0	0	.01
<u>20-year recurrence interval</u>												
0	0	0	0	0	0	0	0	0	0	0	0	0

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
309	23	4.3	0.92	0.61	0.31	0.12	0.06	0.01	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07377782 White Bayou southeast of Zachary, La. (78)

LOCATION.--Lat 30°38'13", long 91°07'39", at center of E1/2 sec. 39, T. 5 S., R. 1 E., St. Helena Meridian, East Baton Rouge Parish, near center of span on downstream side of bridge on Lower Zachary Road, 1.5 mi downstream from Indian Bayou, and 2.0 mi southeast of Zachary.

DRAINAGE AREA.--45 mi², approximately.

PERIOD OF RECORD.--August 1972 to September 1999.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0.08	0.10	0.16	0.23	0.27	0.52	0.70	1.9	8.1	17
<u>5-year recurrence interval</u>									
0	.02	.02	.03	.08	.15	.22	.65	3.0	7.6
<u>10-year recurrence interval</u>									
0	0	0	0	.03	.06	.11	.35	1.6	4.8
<u>20-year recurrence interval</u>									
0	0	0	0	.01	.03	.06	.20	.94	3.3

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
0.63	0.92	1.3	0.19	0.28	0.55	0.09	0.21	0.29	1.4	2.0	4.4
<u>10-year recurrence interval</u>											
.23	.34	.50	0	.03	.16	0	0	.03	.26	.42	.82
<u>20-year recurrence interval</u>											
.16	.25	.41	0	.02	.12	0	0	0	.12	.25	.49

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,360	466	159	23	4.1	1.1	0.43	0.22	0.04	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07377842 White Bayou near Baker, La. (79)

LOCATION.--Lat 30°34'45", long 91°07'18", in NW1/4SW1/4 lot 28, T. 5 S., R. 1 E., St. Helena Meridian, East Baton Rouge Parish, near center of span on downstream side of bridge on Pettit Road, 0.1 mi upstream from pipeline crossing, 0.6 mi downstream from State Highway 67, and 2.8 mi east of Baker.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1972 to September 1984

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0.02	0.02	0.02	0.04	0.06	0.06	0.13	0.47	1.9	3.8
<u>5-year recurrence interval</u>									
0	0	0	0	0	.02	.05	.27	.94	2.3
<u>10-year recurrence interval</u>									
0	0	0	0	0	.01	.02	.20	.62	1.8
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	.01	.16	.42	1.4

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
0.20	0.30	0.36	0.12	0.15	0.22	0	0.03	0.05	0.31	0.57	0.96
<u>10-year recurrence interval</u>											
.01	.02	.05	0	0	0	0	0	0	.18	.28	.36
<u>20-year recurrence interval</u>											
0	.01	.02	0	0	0	0	0	0	.16	.23	.28

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
217	61	25	3.0	0.75	0.28	0.11	0.05	0.01	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07378000 Comite River near Comite, La. (80)

LOCATION.--Lat 30°30'45", long 91°04'25", on line between sections 24 and 44, T. 6 S., R. 1 E., St. Helena Meridian, East Baton Rouge Parish, near left bank on downstream side of bridge on State Highway 946, 0.5 mi downstream from Blackwater Bayou, and 2.6 mi west of Comite.

DRAINAGE AREA.--284 mi².

PERIOD OF RECORD.--October 1944 to September 1999.

MEAN-DAILY MINIMUM FLOW.--29 ft³/s.

REMARKS.--Diversion of 46 mi² of White Bayou drainage into Baker Canal completed near end of 1956 water year.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
53	54	55	56	58	60	63	77	110	155
<u>5-year recurrence interval</u>									
44	45	45	46	47	49	50	59	80	105
<u>10-year recurrence interval</u>									
39	40	41	42	43	44	46	52	69	87
<u>20-year recurrence interval</u>									
36	37	38	39	40	40	43	46	62	75

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
80	87	92	61	65	71	56	58	61	80	87	108
<u>10-year recurrence interval</u>											
57	61	67	44	48	52	41	42	44	53	56	67
<u>20-year recurrence interval</u>											
52	55	64	41	45	49	38	39	41	47	50	60

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
6,820	2,290	1,000	286	128	79	60	53	43	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07378500 Amite River near Denham Springs, La. (81)

LOCATION.--Lat 30°27'50", long 90°59'25", in sec. 2, T.7 S., R.2 E., St. Helena Meridian, East Baton Rouge-Livingston Parish line, on downstream side of bridge on U.S. Highway 190, 1,000 ft downstream from Comite River, 2.3 mi southwest of town of Denham Springs, and 15 mi east of Baton Rouge.

DRAINAGE AREA.--1,280 mi².

PERIOD OF RECORD.--September 1938 to September 1999.

MEAN-DAILY MINIMUM FLOW.--271 ft³/s.

REMARKS.--Since 1957, considerable flow from 46-mi² area diverted from basin.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
399	402	409	417	426	437	456	533	672	835
<u>5-year recurrence interval</u>									
338	340	345	350	356	364	377	424	510	606
<u>10-year recurrence interval</u>									
311	313	317	320	326	332	343	376	441	516
<u>20-year recurrence interval</u>									
291	293	296	299	303	308	317	340	390	454

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
594	637	670	458	487	510	402	412	433	568	626	728
<u>10-year recurrence interval</u>											
441	464	497	356	374	407	309	314	325	369	385	423
<u>20-year recurrence interval</u>											
406	428	473	333	350	393	288	292	300	326	336	369

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
20,500	8,390	4,640	1,780	868	562	430	386	318	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07379000 Ward Creek at Government Street, at Baton Rouge, La. (82)

LOCATION.--Lat 30°26'40", long 91°08'35", in lot 81, T. 7 S., R. 1 E., St. Helena Meridian, East Baton Rouge Parish, on downstream end of culvert on U.S. Highway 61, at Government Street in Baton Rouge, and 6.75 mi upstream from Dawson Creek.

DRAINAGE AREA.--4.04 mi².

PERIOD OF RECORD.--May 1954 to September 1966.

MEAN-DAILY MINIMUM FLOW.--0.2 ft³/s.

REMARKS.-- Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0.56	0.59	0.65	0.69	0.80	1.1	1.4	2.4	4.4	5.9
<u>5-year recurrence interval</u>									
.31	.36	.39	.41	.49	.65	.80	1.4	3.0	4.2
<u>10-year recurrence interval</u>									
.23	.28	.30	.31	.38	.48	.57	1.1	2.5	3.6
<u>20-year recurrence interval</u>									
.17	.22	.24	.25	.30	.36	.42	.81	2.1	3.1

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
0.88	1.2	1.6	0.62	0.80	1.1	0.60	0.77	1.1	0.83	1.1	2.0
<u>10-year recurrence interval</u>											
.35	.48	.77	.28	.38	.44	.26	.34	.47	.41	.55	.89
<u>20-year recurrence interval</u>											
.25	.35	.62	.22	.30	.35	.21	.27	.35	.35	.46	.68

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
167	44	17	4.8	2.3	1.3	0.67	0.51	0.33	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07380400 Bayou Lafourche at Donaldsonville, La. (84)

LOCATION.--Lat 30°06'00", long 90°58'40", in lot 96, T. 11 S., R. 14 E., Louisiana Meridian, Ascension Parish, on left bank 40 ft upstream from culvert under State Highway 18, in Donaldsonville.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1960 to September 1985.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.-- Substantial regulation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
72	116	131	132	137	149	161	184	208	222
<u>5-year recurrence interval</u>									
14	39	62	89	103	117	126	151	175	188
<u>10-year recurrence interval</u>									
0	5.0	33	69	88	102	109	136	160	171
<u>20-year recurrence interval</u>									
0	0	17	55	76	91	97	124	149	158

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
133	161	179	149	170	183	127	178	180	139	158	176
<u>10-year recurrence interval</u>											
66	112	134	50	96	115	14	43	100	34	96	121
<u>20-year recurrence interval</u>											
49	100	122	20	77	98	1.6	20	81	9.2	80	108

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
550	434	376	294	234	185	147	123	82	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07381000 Bayou Lafourche at Thibodaux, La. (85)

LOCATION.--Lat 29°47'52", long 90°49'21", in sec. 117, T. 15 S., R. 16 E., Lafourche Parish, on downstream side of left pier of drawspan of bridge on State Highway 20 at Thibodaux, and 2.7 mi upstream from Laurel Valley Canal.

DRAINAGE AREA.-- Indeterminate.

PERIOD OF RECORD.--October 1984 to September 1997.

MEAN-DAILY MINIMUM FLOW.--16 ft³/s.

REMARKS.--Substantial regulation. Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during heavy runoff. Artificial control located about 1,000 ft downstream since 1968.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
61	72	85	89	96	105	119	138	150	159
<u>5-year recurrence interval</u>									
34	44	55	63	69	75	84	96	110	119
<u>10-year recurrence interval</u>									
25	34	43	52	59	63	68	78	92	101
<u>20-year recurrence interval</u>									
19	28	35	45	51	54	57	64	79	89

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
98	128	139	93	110	124	60	82	97	108	131	148
<u>10-year recurrence interval</u>											
59	78	84	43	56	66	21	38	55	61	87	97
<u>20-year recurrence interval</u>											
52	68	73	34	46	54	15	31	47	53	79	86

Flow, in ft³/s, which was exceeded for the indicated percentage of days
(Based on 1985-97, water years)

Percentage of days									
1	5	10	25	50	75	90	95	99	
534	341	299	239	182	126	87	71	47	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07381490 Atchafalaya River at Simmesport, La. (86)

LOCATION.--Lat 30°58'57", long 91°47'54", in NE1/4SW1/4 sec. 7, Louisiana Meridian, Avoyelles Parish, near right bank on downstream side of Kansas City Southern Railway Company bridge, 0.4 mi east of Simmesport, 0.5 mi upstream from State Highway 1, and 4.9 mi downstream from confluence of Red River and Old River (head of Atchafalaya River).

DRAINAGE AREA.--87,570 mi².

PERIOD OF RECORD.--October 1972 to December 1997. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--11,000 ft³/s.

REMARKS.-- Significant trend and regulation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
70,200	75,600	79,300	81,400	83,900	86,800	91,200	104,000	123,000	155,000
<u>5-year recurrence interval</u>									
40,900	50,800	54,100	55,900	58,200	60,300	64,100	76,000	95,600	119,000
<u>10-year recurrence interval</u>									
28,600	39,800	42,700	44,400	46,600	48,500	52,100	64,000	82,400	102,000
<u>20-year recurrence interval</u>									
20,400	31,900	34,400	36,000	38,200	39,900	43,300	55,400	73,500	89,400

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
208,000	220,000	232,000	102,000	109,000	115,000	81,800	86,800	91,000	154,000	164,000	176,000
<u>10-year recurrence interval</u>											
119,000	126,000	135,000	39,700	64,200	68,300	44,100	48,400	52,300	74,200	80,900	86,600
<u>20-year recurrence interval</u>											
100,000	106,000	115,000	27,300	54,500	58,000	34,700	38,600	42,400	58,300	64,200	68,200

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
651,000	503,000	432,000	335,000	214,000	133,000	92,600	73,600	48,000	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07381500 Atchafalaya River at Krotz Springs, La. (87)

LOCATION.--Lat 30°32'48", long 91°45'04", St. Landry Parish, at bridge on U.S. Highway 190, 0.5 mi north of Krotz Springs.

DRAINAGE AREA.--93,329 mi².

PERIOD OF RECORD.--October 1934 to September 1964.

MEAN-DAILY MINIMUM FLOW.--17,900 ft³/s.

REMARKS.-- Significant trend and regulation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
43,200	43,600	44,300	44,900	45,700	46,700	48,900	55,600	68,100	83,600
<u>5-year recurrence interval</u>									
29,200	29,500	29,900	30,400	30,900	31,400	32,600	36,800	46,200	57,000
<u>10-year recurrence interval</u>									
23,600	23,900	24,200	24,500	24,900	25,300	26,200	29,600	37,500	46,500
<u>20-year recurrence interval</u>									
19,600	19,900	20,100	20,400	20,800	21,100	21,800	24,600	31,400	39,300

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
158,000	167,000	179,000	68,800	72,000	76,200	43,600	44,800	46,500	64,100	67,600	72,400
<u>10-year recurrence interval</u>											
95,000	98,800	107,000	34,300	36,800	38,800	23,800	24,400	25,400	31,900	33,600	35,200
<u>20-year recurrence interval</u>											
81,400	84,300	91,000	27,200	29,800	31,300	19,800	20,300	21,200	26,500	27,900	29,000

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
487,000	397,000	350,000	253,000	129,000	73,600	45,300	36,200	22,400	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07381800 Spring Creek near Glenmora, La. (88)

LOCATION.--Lat 31°00'10", long 92°34'10", in SE1/4NE1/4 sec. 4, T. 1 S., R. 2 W., Rapides Parish, Louisiana Meridian, near right bank on downstream side of bridge on U.S. Highway 165, 0.2 mi upstream from Missouri Pacific Railroad Company bridge, 2.0 mi north of Glenmora, and 7.9 mi upstream from mouth.

DRAINAGE AREA.--68.3 mi².

PERIOD OF RECORD.--March 1956 to April 1986.

MEAN-DAILY MINIMUM FLOW.--24 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
38	38	38	39	39	40	40	43	47	52
<u>5-year recurrence interval</u>									
32	32	32	33	33	33	34	35	39	42
<u>10-year recurrence interval</u>									
29	29	29	30	30	31	31	32	36	37
<u>20-year recurrence interval</u>									
27	27	27	27	28	28	29	30	33	34

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
52	54	57	41	41	42	38	39	39	48	52	56
<u>10-year recurrence interval</u>											
39	40	42	32	32	33	29	29	30	37	39	40
<u>20-year recurrence interval</u>											
36	37	38	30	30	31	27	27	28	35	35	37

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
866	236	134	78	57	45	38	35	28	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07382000 Bayou Cocodrie near Clearwater (near Meeker), La. (89)

LOCATION.--Lat 31°00'00", long 92°22'46", in NW1/4SW1/4 sec. 4, T. 1 S., R. 1 E., Louisiana Meridian, Evangeline Parish, near right bank on downstream side of bridge on U.S. Highway 167, 1,000 ft downstream from Cocodrie Lake dam, 1.0 mi downstream from Chicago, Rock Island and Pacific Railroad Company bridge, 1.5 mi east of Clearwater, 4.0 mi south of Meeker, and 5.0 mi downstream from Hurricane Creek.

DRAINAGE AREA.--240 mi².

PERIOD OF RECORD.--June 1922 to September 1999. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
78	79	80	81	83	85	89	106	139	179
<u>5-year recurrence interval</u>									
52	57	61	64	65	67	69	79	96	119
<u>10-year recurrence interval</u>									
38	49	53	56	58	60	61	69	81	96
<u>20-year recurrence interval</u>									
29	42	47	50	52	55	56	62	71	82

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
143	162	192	88	94	103	83	83	86	151	179	216
<u>10-year recurrence interval</u>											
74	83	94	61	67	70	38	57	61	68	77	91
<u>20-year recurrence interval</u>											
63	71	79	57	63	65	27	52	56	55	62	72

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,650	1,180	976	655	274	126	87	73	56	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07382500 Bayou Courtableau at Washington, La. (90)

LOCATION.--Lat 30°37'05", long 92°03'20", in SW1/4NW1/4 sec. 81, T. 5 S., R. 4 E., Louisiana Meridian, St. Landry Parish, near center of span on downstream side of bridge on State Highway 10 at Washington, 0.2 mi upstream from Southern Pacific Transportation Company bridge, 1.2 mi upstream from Bayou Carron, 3.5 mi downstream from confluence of Bayou Cocodrie and Bayou Boeuf, and 6.0 mi north of Opelousas.

DRAINAGE AREA.--715 mi².

PERIOD OF RECORD.--August 1946 to September 1999.

MEAN-DAILY MINIMUM FLOW.--8 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
110	114	120	125	132	138	150	197	269	381
<u>5-year recurrence interval</u>									
82	86	92	97	102	107	114	140	178	246
<u>10-year recurrence interval</u>									
70	74	80	85	89	94	101	118	145	195
<u>20-year recurrence interval</u>									
61	65	72	76	80	85	91	103	124	161

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
236	277	333	118	133	152	128	142	159	296	379	500
<u>10-year recurrence interval</u>											
105	128	150	73	82	92	83	90	100	141	165	208
<u>20-year recurrence interval</u>											
84	105	123	66	74	83	74	80	89	117	133	163

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
5,560	4,080	3,260	1,450	535	236	147	119	89	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07383000 Chatlin Lake Canal near Lecompte, La. (91)

LOCATION.--Lat 31°07'10", long 92°20'40", in NW1/4 sec. 26, T. 2 N., R. 1 E., Rapides Parish, at bridge on State Highway 457, and 3.7 mi northeast of Lecompte.

DRAINAGE AREA.--75.9 mi².

PERIOD OF RECORD.--August 1942 to September 1953.

MEAN-DAILY MINIMUM FLOW.--0.2 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
2.6	2.8	3.2	3.6	4.0	5.0	5.5	9.0	20	36
<u>5-year recurrence interval</u>									
.65	.79	.98	1.2	1.3	1.7	1.8	2.9	6.9	14
<u>10-year recurrence interval</u>									
.32	.42	.54	.65	.73	.96	1.1	1.6	3.9	8.7
<u>20-year recurrence interval</u>									
.17	.25	.34	.41	.46	.61	.67	1.0	2.4	5.7

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
34	45	63	3.9	4.8	6.4	6.7	7.4	8.1	47	58	71
<u>10-year recurrence interval</u>											
4.7	6.4	12	.44	.81	1.3	.89	1.1	1.1	6.8	13	19
<u>20-year recurrence interval</u>											
2.3	3.1	6.3	.22	.48	.81	.48	.59	.62	3.5	7.9	14

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,750	1,010	674	313	76	20	4.0	2.1	0.95	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07383500 Bayou des Glaises diversion channel at Moreauville, La. (92)

LOCATION.--Lat 31°01'59", long 92°58'57", in NE1/4 sec. 29, T. 1 N., R. 5 E., Avoyelles Parish, near left bank on downstream side of bridge on State Highway 114 at Moreauville, and 150 ft downstream from point of diversion from Bayou des Glaises.

DRAINAGE AREA.--270 mi².

PERIOD OF RECORD.--July 1943 to September 1999.

MEAN-DAILY MINIMUM FLOW.--2.8 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
13	14	16	18	20	23	27	42	73	120
<u>5-year recurrence interval</u>									
7.2	7.7	8.9	9.8	11	13	15	22	37	60
<u>10-year recurrence interval</u>									
5.2	5.6	6.4	7.1	8.0	9.0	10	15	25	40
<u>20-year recurrence interval</u>									
3.9	4.2	4.8	5.3	5.9	6.5	7.8	11	18	28

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
56	74	99	19	24	31	15	19	23	56	80	126
<u>10-year recurrence interval</u>											
20	25	33	8.0	10	12	5.7	6.8	8.1	15	20	36
<u>20-year recurrence interval</u>											
15	19	24	6.3	7.7	9.4	4.2	5.0	5.9	10	13	26

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
2,280	1,630	1,260	705	161	49	22	15	7.3	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07384000 West Protection Levee borrow pit channel near Plaucheville, La. (93)

LOCATION.--Lat 30°57'10", long 91°54'55", Avoyelles Parish, on State Highway 1181, 4.1 mi east of Plaucheville.

DRAINAGE AREA.--321 mi².

PERIOD OF RECORD.--October 1944 to September 1957.

MEAN-DAILY MINIMUM FLOW.--4.4 ft³/s.

REMARKS.-- Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
14	14	15	15	16	17	18	26	41	71
<u>5-year recurrence interval</u>									
7.7	7.9	8.4	8.8	9.2	9.9	11	14	22	32
<u>10-year recurrence interval</u>									
5.7	5.9	6.3	6.7	7.2	7.9	8.8	10	17	22
<u>20-year recurrence interval</u>									
4.5	4.6	5.0	5.4	5.9	6.6	7.7	8.2	14	17

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
67	80	114	22	25	28	14	15	16	56	71	94
<u>10-year recurrence interval</u>											
17	20	27	8.5	9.6	11	5.7	6.3	7.2	11	13	22
<u>20-year recurrence interval</u>											
12	14	18	6.2	7.0	8.1	4.5	5.0	5.8	7.4	8.6	15

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
2,980	2,030	1,560	843	150	37	19	14	8.0	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07385500 Bayou Teche at Arnaudville, La. (94)

LOCATION.--Lat 30°23'50", long 91°55'50", at NW corner sec. 63, T. 7 S., R. 5 E., Louisiana Meridian, St. Landry Parish, near center span on downstream side of bridge on State Highway 31, at Arnaudville, and 270 ft upstream from Bayou Fusilier.

DRAINAGE AREA.--Approximately 1,531 mi².

PERIOD OF RECORD.--May 1949 to September 1999.

MEAN-DAILY MINIMUM FLOW.--65 ft³/s.

REMARKS.--Significant trend and regulation. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaises floodgates, to or from West Atchafalaya Floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau drainage structure. Since April 1952, floodflow is diverted from Bayou Rapides. Teche-Vermilion freshwater diversion canal operational during the year any time the flow in Bayou Courtableau does not bypass by way of the Courtableau Weirs near Krotz Springs.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval
(Based on 1984-99, climatic years)

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
241	248	263	274	288	311	349	444	561	648
<u>5-year recurrence interval</u>									
139	143	151	157	166	181	204	268	360	444
<u>10-year recurrence interval</u>									
105	108	114	118	125	137	154	201	278	354
<u>20-year recurrence interval</u>									
84	87	91	94	99	109	121	158	221	289

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
919	945	977	880	927	957	710	796	835	690	729	771
<u>10-year recurrence interval</u>											
674	833	886	519	655	735	323	370	437	386	612	657
<u>20-year recurrence interval</u>											
581	798	861	400	555	645	222	251	316	283	579	629

Flow, in ft³/s, which was exceeded for the indicated percentage of days
(Based on 1984-99, water years)

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,970	1,610	1,460	1,170	1,040	884	765	673	543	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07385700 Bayou Teche at Keystone Lock, near St. Martinsville, La. (95)

LOCATION.--Lat 30°04'15", long 91°49'45", on line between secs. 8 and 17, T. 11 S., R. 6 E., St. Martin Parish, on right bank of concrete lock and dam, 3.5 mi south of St. Martinville, and 11 mi upstream from Loreauville Canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1959 to September 1999.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.-- Significant trend and regulation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
110	127	142	152	162	170	190	221	275	329
<u>5-year recurrence interval</u>									
32	41	63	73	84	97	109	151	198	244
<u>10-year recurrence interval</u>									
6.2	8.2	22	38	47	62	72	120	163	203
<u>20-year recurrence interval</u>									
0	0	5.3	17	23	37	47	97	137	171

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
181	226	257	142	192	186	156	182	202	278	337	402
<u>10-year recurrence interval</u>											
67	104	122	7.3	24	48	55	87	104	122	184	234
<u>20-year recurrence interval</u>											
49	81	97	0	5.7	24	38	69	85	92	152	196

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,740	1,140	915	650	412	257	167	124	62	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07386000 Bayou Carencro near Sunset, La. (96)

LOCATION.--Lat 30°22'35", long 92°02'35", in lot 71, T. 8 S., R. 4 E., St. Landry Parish, Louisiana Meridian, near center of span on downstream side of bridge on U.S. Highway 167, downstream from Texas and New Orleans Railroad Company bridge, 2.8 mi southeast of Sunset, and 4.8 mi upstream from mouth.

DRAINAGE AREA.--37.1 mi².

PERIOD OF RECORD.--October 1943 to September 1961.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0.09	0.94	6.1	14
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	.16	1.9	5.6
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	.06	1.0	3.2
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	.03	.63	2.0

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
0	0	0.15	0	0	0.18	0	0	0.02	0.14	0.62	1.2
<u>10-year recurrence interval</u>											
0	0	0	0	0	0	0	0	0	0	.06	.24
<u>20-year recurrence interval</u>											
0	0	0	0	0	0	0	0	0	0	0	.15

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
984	319	111	13	1.4	0.23	0.06	0.03	0.01	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

07386500 Bayou Bourbeau at Shuteston, La. (97)

LOCATION.--Lat 30°25'40", long 92°05'30", in lot 174, T. 7 S., R. 4 E., Louisiana Meridian, St. Landry Parish, at bridge on State Highway 178, 0.75 mi east of Shuteston.

DRAINAGE AREA.--19.0 mi².

PERIOD OF RECORD.--October 1942 to September 1970.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0.03	0.42	4.6	9.1
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	.07	2.1	4.3
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	.01	1.4	2.8
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	1.0	1.9

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
0	0.01	0.10	0	0.02	0.32	0	0	0	0	0.19	0.75
<u>10-year recurrence interval</u>											
0	0	0	0	0	0	0	0	0	0	0	0
<u>20-year recurrence interval</u>											
0	0	0	0	0	0	0	0	0	0	0	0

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
459	137	55	7.9	1.2	0.13	0.05	0.03	0.01	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08010000 Bayou des Cannes near Eunice, La. (98)

LOCATION.--Lat 30°29'00", long 92°29'25", in SW1/4SE1/4 sec. 32, T. 6 S., R. 1 W., Louisiana Meridian, Evangeline Parish, on left downstream side of bridge of eastbound lane on U.S. Highway 190, 3.0 mi downstream from Missouri Pacific Railroad bridge, and 4.0 mi west of Eunice.

DRAINAGE AREA.--131 mi².

PERIOD OF RECORD.--October 1938 to September 1999.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.--Significant trend. Small diversion upstream from station.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0.70	0.83	1.3	1.7	2.2	3.3	5.9	24	71	119
<u>5-year recurrence interval</u>									
.15	.21	.31	.42	.60	1.0	1.9	8.8	37	70
<u>10-year recurrence interval</u>									
0	.05	.11	.15	.24	.44	.93	5.0	26	52
<u>20-year recurrence interval</u>									
0	0	.03	.05	.09	.20	.50	3.0	20	40

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
3.5	6.7	12	3.4	6.9	13	1.3	2.1	3.3	5.9	9.7	20
<u>10-year recurrence interval</u>											
.32	.63	1.0	.23	.67	1.4	.12	.32	.55	1.3	2.3	3.8
<u>20-year recurrence interval</u>											
.01	.23	.44	0	.27	.58	0	.16	.28	.80	1.5	2.3

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
3,690	1,350	765	196	47	13	4.1	1.9	0.38	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08011500 Boggy Bayou near Pine Prairie, La. (100)

LOCATION.--Lat 30°47'10", long 92°28'30", in NW1/4NE1/4 sec. 21, T. 3 S., R. 1 W., Louisiana Meridian, Evangeline Parish, at bridge on State Highway 106, and 3.0 mi west of Pine Prairie.

DRAINAGE AREA.--51.3 mi².

PERIOD OF RECORD.--October 1948 to September 1979. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.--Formerly published as Cypress Creek.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0.03	0.15	0.84	5.6	13
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	.29	2.5	6.9
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	.18	1.6	4.9
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	.12	1.1	3.8

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
0.34	0.87	1.7	0	0.01	0.18	0	0	0.03	0.89	3.1	8.1
<u>10-year recurrence interval</u>											
0	.13	.22	0	0	0	0	0	0	0	.24	.88
<u>20-year recurrence interval</u>											
0	0	.12	0	0	0	0	0	0	0	.09	.39

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,240	466	235	38	6.0	0.99	0.09	0.04	0.01	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08012000 Bayou Nezpique near Basile, La. (101)

LOCATION.--Lat 30°28'50", long 92°37'55", in NE1/4NW1/4 sec. 1, T. 7 S., R. 3 W., Evangeline Parish, near left bank on U.S. Highway 190, 1,300 ft downstream from Missouri Pacific Railroad bridge, and 2.0 mi west of Basile.

DRAINAGE AREA.--527 mi².

PERIOD OF RECORD.--October 1938 to September 1999.

MEAN-DAILY MINIMUM FLOW.--0.1 ft³/s.

REMARKS.-- Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
2.7	3.1	4.0	5.0	6.6	9.2	16	46	144	258
<u>5-year recurrence interval</u>									
.86	1.0	1.4	1.8	2.4	3.2	5.4	18	70	132
<u>10-year recurrence interval</u>									
.46	.53	.70	.94	1.3	1.7	2.9	11	48	91
<u>20-year recurrence interval</u>									
.26	.30	.39	.54	.74	.97	1.6	7.1	35	65

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
16	25	38	10	17	36	4.4	6.0	8.4	20	38	88
<u>10-year recurrence interval</u>											
1.5	3.1	6.1	.90	1.6	3.9	1.0	1.4	2.0	3.2	5.4	12
<u>20-year recurrence interval</u>											
.67	1.5	3.4	.38	.63	1.7	.63	.91	1.4	1.8	3.0	6.3

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
7,130	3,880	2,630	976	170	44	12	5.9	1.3	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08013000 Calcasieu River near Glenmora, La. (102)

LOCATION.--Lat 30°59'45", long 92°40'25", in SE1/4SE1/4 sec. 4, T. 1 S., R. 3 W., Louisiana Meridian, Rapides Parish, on right bank on downstream side of bridge on State Highway 113, 1.0 mi upstream from Prairie Branch, and 4.6 mi northwest of Glenmora.

DRAINAGE AREA.--499 mi².

PERIOD OF RECORD.--September 1943 to September 1999.

MEAN-DAILY MINIMUM FLOW.--15 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
27	27	28	29	30	31	34	43	65	117
<u>5-year recurrence interval</u>									
21	21	22	22	23	24	24	27	36	60
<u>10-year recurrence interval</u>									
19	19	19	20	20	20	21	22	28	43
<u>20-year recurrence interval</u>									
17	17	18	18	18	18	19	20	23	33

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
68	78	99	32	34	37	28	29	31	95	121	185
<u>10-year recurrence interval</u>											
40	43	48	21	22	23	19	20	20	32	38	52
<u>20-year recurrence interval</u>											
35	37	40	20	20	21	17	18	19	24	27	36

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
7,900	3,320	2,140	764	173	54	32	26	20	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08013500 Calcasieu River near Oberlin, La. (103)

LOCATION.--Lat 30°38'25", long 92°48'50", in NW1/4NE1/4 sec. 7, T. 5 S., R. 4 W., Allen Parish, near right bank on downstream side of bridge on State Highway 26, 3.0 mi northwest of Oberlin, and 15 mi upstream from Whisky Chitto Creek.

DRAINAGE AREA.--753 mi².

PERIOD OF RECORD.--October 1922 to September 1999.

MEAN-DAILY MINIMUM FLOW.--19 ft³/s.

REMARKS.-- Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
49	50	52	54	56	59	63	79	123	214
<u>5-year recurrence interval</u>									
37	37	39	40	41	43	44	51	68	111
<u>10-year recurrence interval</u>									
32	33	34	35	36	37	38	43	53	82
<u>20-year recurrence interval</u>									
30	30	31	32	33	34	35	38	45	64

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
137	157	195	64	69	74	52	55	60	168	217	306
<u>10-year recurrence interval</u>											
71	77	87	37	40	43	35	36	38	57	68	91
<u>20-year recurrence interval</u>											
62	65	72	33	35	39	33	34	34	42	49	64

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
11,000	4,660	3,080	1,360	336	104	60	50	38	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08014200 Tenmile Creek near Elizabeth, La. (105)

LOCATION.--Lat 30°50'11", long 92°52'26", in NW1/4SW1/4 sec. 34, T. 2 S., R. 5 W., Allen Parish, at bridge on State Highway 112, 0.3 mi downstream from Carter Branch, and 5.3 mi southwest of Elizabeth.

DRAINAGE AREA.--94.2 mi².

PERIOD OF RECORD.--October 1949 to September 1965.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
14	14	14	14	15	15	16	18	23	30
<u>5-year recurrence interval</u>									
11	11	11	11	12	12	12	14	16	19
<u>10-year recurrence interval</u>									
9.5	9.5	9.8	9.9	10	10	11	12	13	15
<u>20-year recurrence interval</u>									
8.3	8.4	8.6	8.8	9.0	9.1	9.2	10	12	13

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
23	24	26	16	16	17	14	14	15	22	26	33
<u>10-year recurrence interval</u>											
18	19	19	11	11	12	7.9	8.2	8.6	13	14	18
<u>20-year recurrence interval</u>											
17	17	18	9.7	10	10	0	0	0	12	12	15

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,500	496	273	83	33	20	15	13	8.3	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08014500 Whisky Chitto Creek near Oberlin, La. (106)

LOCATION.--Lat 30°41'55", long 92°53'35", in NE1/4NE1/4 sec. 20, T. 4 S., R. 5 W., Allen Parish, near left bank on downstream side of bridge on State Highway 26, 1.0 mi downstream from Tennile Creek, 8.0 mi upstream from Bundick Creek, and 10 mi northwest of Oberlin.

DRAINAGE AREA.--510 mi².

PERIOD OF RECORD.--February 1939 to September 1999.

MEAN-DAILY MINIMUM FLOW.--88 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
155	156	159	162	164	169	176	199	239	312
<u>5-year recurrence interval</u>									
126	127	129	131	133	136	140	154	172	216
<u>10-year recurrence interval</u>									
113	114	116	118	120	123	126	137	151	183
<u>20-year recurrence interval</u>									
104	105	107	109	111	113	116	126	139	162

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
256	274	300	171	177	190	158	162	170	258	293	360
<u>10-year recurrence interval</u>											
176	183	195	126	132	137	113	117	122	151	163	189
<u>20-year recurrence interval</u>											
160	165	175	117	124	128	104	108	112	129	138	158

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
7,170	2,830	1,860	775	376	222	167	145	120	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08014800 Bundick Creek near DeRidder, La. (107)

LOCATION.--Lat 30°49'09", long 93°13'51", in SW1/4NW1/4 sec. 7, T. 3 S., R. 8 W., Beauregard Parish, at bridge on State Highway 26, 1.1 mi downstream from Flat Creek, and 3.8 mi southwest of DeRidder.

DRAINAGE AREA.--120 mi².

PERIOD OF RECORD.--March 1956 to September 1979.

MEAN-DAILY MINIMUM FLOW.--12 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
16	16	17	17	18	19	20	25	36	47
<u>5-year recurrence interval</u>									
13	13	14	14	15	15	16	18	23	30
<u>10-year recurrence interval</u>									
12	12	13	13	14	14	15	16	19	24
<u>20-year recurrence interval</u>									
12	12	12	13	13	13	14	15	17	21

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
28	32	36	16	17	20	17	19	21	41	48	66
<u>10-year recurrence interval</u>											
19	21	23	14	15	16	12	13	14	23	28	39
<u>20-year recurrence interval</u>											
18	19	20	13	15	15	11	12	12	19	24	35

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,810	684	371	127	58	29	20	17	14	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08015000 Bundick Creek near Dry Creek, La. (108)

LOCATION.--Lat 30°40'55", long 93°02'15", on line between NE1/4 and NW1/4 sec. 25, T. 4 S., R. 7 W., Beauregard Parish, at bridge on State Highway 113, 1 mi northeast of town of Dry Creek, and 8 mi upstream from mouth.

DRAINAGE AREA.--238 mi².

PERIOD OF RECORD.-- February 1939 to September 1970.

MEAN-DAILY MINIMUM FLOW.--20 ft³/s.

REMARKS.-- Significant trend and regulation.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval
(Based on 1962-70, climatic years)

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
30	31	34	35	36	40	45	63	87	100
<u>5-year recurrence interval</u>									
24	24	26	27	28	32	36	51	65	77
<u>10-year recurrence interval</u>									
21	22	23	24	25	29	31	46	57	69
<u>20-year recurrence interval</u>									
19	20	21	21	23	26	28	42	52	63

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
78	84	92	46	49	52	29	32	37	71	82	95
<u>10-year recurrence interval</u>											
57	60	61	31	32	34	21	23	25	26	29	33
<u>20-year recurrence interval</u>											
53	56	57	28	28	31	20	21	23	19	20	24

Flow, in ft³/s, which was exceeded for the indicated percentage of days
(Based on 1962-70, water years)

Percentage of days									
1	5	10	25	50	75	90	95	99	
2,340	918	555	249	116	66	47	38	25	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08015500 Calcasieu River near Kinder, La. (109)

LOCATION.--Lat 30°30'10", long 92°54'55", in NW1/4SE1/4 sec. 30, T. 6 S., R. 5 W., Allen Parish, near center of span on downstream side of bridge on U.S. Highway 190, 0.5 mi downstream from Whisky Chitto Creek, and 4.0 mi west of Kinder.

DRAINAGE AREA.--1,700 mi².

PERIOD OF RECORD.--September 1922 to September 1999. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--140 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
284	289	297	304	313	328	347	414	531	758
<u>5-year recurrence interval</u>									
222	227	237	243	251	260	272	307	359	478
<u>10-year recurrence interval</u>									
200	205	216	222	229	237	247	274	309	388
<u>20-year recurrence interval</u>									
184	190	202	208	216	222	232	253	280	331

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
565	627	720	331	354	391	296	311	331	649	773	985
<u>10-year recurrence interval</u>											
337	360	395	211	230	248	226	238	249	293	335	419
<u>20-year recurrence interval</u>											
297	314	344	190	209	225	216	228	237	233	265	328

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
22,800	9,600	6,240	2,960	1,060	492	332	286	229	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08016400 Beckwith Creek near DeQuincy, La. (110)

LOCATION.--Lat 30°28'15", long 93°21'35", in SE1/4NW1/4 sec. 11, T. 7 S., R. 10 W., Beauregard Parish, near right bank on downstream side of bridge on State Highway 12, 300 ft upstream from New Orleans, Texas and Mexico Railway bridge, 2.3 mi downstream from Hams Creek, and 4.4 mi northeast of DeQuincy.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--September 1945 to September 1984.

MEAN-DAILY MINIMUM FLOW.--0.1 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
1.4	1.5	1.6	1.8	2.0	2.3	3.0	5.8	18	36
<u>5-year recurrence interval</u>									
.52	.55	.62	.67	.75	.84	1.0	2.2	6.6	15
<u>10-year recurrence interval</u>									
.29	.31	.35	.39	.43	.47	.56	1.4	3.9	9.2
<u>20-year recurrence interval</u>									
.18	.19	.21	.24	.26	.28	.34	1.0	2.6	6.2

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
7.0	8.7	11	2.3	2.8	3.5	1.7	2.1	2.6	11	17	33
<u>10-year recurrence interval</u>											
3.2	3.6	4.4	.79	.96	1.3	.31	.38	.46	2.0	3.4	6.5
<u>20-year recurrence interval</u>											
2.5	2.8	3.5	.59	.73	.99	.18	.22	.26	1.1	2.0	3.9

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
2,320	1,040	590	142	27	6.9	2.7	1.6	0.53	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08016600 Hickory Branch at Kernan, La. (111)

LOCATION.--Lat 30°30'05", long 93°16'45", Beauregard Parish, in NW1/4 sec. 34, T. 6 S., R. 9 W., at bridge on State Highway 12, 0.7 mi southwest of Kernan, 3 mi upstream from Cowpen Creek, and 10 mi northeast of DeQuincy.

DRAINAGE AREA.--82.2 mi².

PERIOD OF RECORD.--September 1945 to September 1957.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0.04	0.06	0.06	0.10	0.16	0.45	2.1	15
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	.06	.44	4.1
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	.02	.20	1.8
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	.01	.10	.89

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
0.89	1.1	1.5	0.15	0.27	0.42	0.07	0.11	0.18	0.74	2.9	7.2
<u>10-year recurrence interval</u>											
.19	.27	.36	0	0	.01	0	0	0	.08	.10	.40
<u>20-year recurrence interval</u>											
.11	.18	.24	0	0	0	0	0	0	0	.03	.15

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
2,130	706	306	49	6.6	0.90	0.19	0.10	0.02	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08016800 Bear Head Creek near Starks, La. (112)

LOCATION.--Lat 30°19'59", long 93°37'44", in sec. 30, T. 8 S., R. 12 W., Calcasieu Parish, near right bank on downstream side of bridge on State Highway 12, 2.4 mi northeast of Starks, and 3.5 mi downstream from Green Island Marsh Creek.

DRAINAGE AREA.--177 mi².

PERIOD OF RECORD.--March 1956 to September 1984.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0.01	0.04	0.09	0.16	0.32	2.9	16	36
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	.01	.28	3.3	9.6
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	.07	1.4	4.5
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	.02	.63	2.3

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
1.2	2.2	4.9	0.02	0.08	0.31	0.04	0.23	0.55	11	14	29
<u>10-year recurrence interval</u>											
0	0	.15	0	0	0	0	0	0	.32	1.3	5.1
<u>20-year recurrence interval</u>											
0	0	.02	0	0	0	0	0	0	0	.33	3.0

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
2,800	1,250	686	176	26	2.7	0.19	0.06	0.01	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08022765 Bayou Castor near Funston, La. (113)

LOCATION.--Lat 32°00'57", long 93°57'35", SW1/4NE1/4 sec. 24, T. 12 N., R. 16 W., De Soto Parish, near center of span on downstream side of bridge on unnumbered parish road, 0.3 mi downstream from Bushneck Bayou, and 2.4 mi south of Funston.

DRAINAGE AREA.--91.5 mi².

PERIOD OF RECORD.--October 1971 to September 1986.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.-- Significant trend.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0	0.04	0.62	2.8
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.09	.68
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.03	.31
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.01	.16

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
2.0	3.3	4.8	0	0	0.01	0	0	0	1.0	2.6	6.7
<u>10-year recurrence interval</u>											
.23	.59	.93	0	0	0	0	0	0	.03	.08	.20
<u>20-year recurrence interval</u>											
.12	.36	.59	0	0	0	0	0	0	.01	.03	.05

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,160	303	121	30	6.2	0.26	0.05	0.02	0	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08023000 Bayou Castor near Logansport, La. (114)

LOCATION.--Lat 31°58'25", long 93°58'10", in NE1/4 sec. 1, T. 11 N., R. 16 W., De Soto Parish, near center of span on downstream side of bridge on U.S. Highway 84, 1.7 mi east of Logansport, and 2.5 mi upstream from Bayou Grand Cane.

DRAINAGE AREA.--96.5 mi².

PERIOD OF RECORD.--October 1955 to September 1971.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0.03	0.18	2.7	4.2
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.63
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.20
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.08

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February			
Days												
1	7	14	1	7	14	1	7	14	1	7	14	
<u>2-year recurrence interval</u>												
2.6	3.3	4.8	0	0	0	0	0	0	0	1.1	1.6	2.8
<u>10-year recurrence interval</u>												
.51	.70	.98	0	0	0	0	0	0	0	0	0	0
<u>20-year recurrence interval</u>												
.30	.44	.65	0	0	0	0	0	0	0	0	0	0

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,360	341	126	29	4.1	0.50	0	0	0	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08023080 Bayou Grand Cane near Stanley, La. (115)

LOCATION.--Lat 31°58'45", long 93°56'02", in SW1/4SE1/4 sec. 6, T. 11 N., R. 15 W., De Soto Parish, near center of span on downstream side of bridge on U.S. Highway 84, 2.8 mi upstream from Bayou Castor, 2.9 mi west of Stanley, and 3.2 mi east of Logansport.

DRAINAGE AREA.--72.5 mi².

PERIOD OF RECORD.--January 1980 to September 1999.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0	0.03	0.58	4.5
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.08	.82
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.02	.30
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.01	.12

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
1.9	2.5	4.2	0	0	0.02	0	0	0	2.7	3.4	5.7
<u>10-year recurrence interval</u>											
0	0	.07	0	0	0	0	0	0	0	.01	.17
<u>20-year recurrence interval</u>											
0	0	0	0	0	0	0	0	0	0	0	.05

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,490	481	190	25	4.3	0.39	0.05	0.03	0.01	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08023400 Bayou San Patricio near Benson, La. (116)

LOCATION.--Lat 31°52'30", long 93°39'30", in sec. 38, T. 10 N., R. 13 W., De Soto Parish, near right bank on downstream side of bridge on State Highway 512, 2.2 mi east of Benson, and 3.9 mi upstream from Bear Creek.

DRAINAGE AREA.--80.2 mi².

PERIOD OF RECORD.--October 1977 to September 1999. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0	0.07	0.92	5.2
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.18	1.4
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.60
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	0

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
3.1	4.3	6.5	0	0	0	0	0	0	4.1	5.2	8.7
<u>10-year recurrence interval</u>											
.22	.57	.83	0	0	0	0	0	0	0	0	0
<u>20-year recurrence interval</u>											
0	.28	.39	0	0	0	0	0	0	0	0	0

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,420	484	194	38	7.0	0.43	0	0	0	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08023500 Bayou San Patricio near Noble, La. (117)

LOCATION.--Lat 31°43'15", long 93°42'25", in lot 38, T. 9 N., R. 13 W., Sabine Parish, at bridge on U.S.

Highway 171, 1.6 mi downstream from Kansas City Southern Railway bridge, and 2.5 mi northwest of Noble.

DRAINAGE AREA.--154 mi².

PERIOD OF RECORD.--October 1951 to September 1967.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0.05	0.07	0.11	0.43	2.4	5.8
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	.03	.15	.73
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.02	.20
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.06

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
3.5	4.6	6.0	0	0.07	0.17	0	0	0.07	1.0	2.1	3.2
<u>10-year recurrence interval</u>											
.51	.73	1.4	0	0	0	0	0	0	.07	.14	.22
<u>20-year recurrence interval</u>											
.24	.36	.88	0	0	0	0	0	0	0	0	.10

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,640	489	251	41	5.9	0.69	0.10	0.05	0.01	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08024000 Bayou San Miguel near Zwolle, La. (118)

LOCATION.--Lat 31°39'10", long 93°39'10", in NE1/4NW1/4 sec. 25, T. 8 N., R. 13 W., Sabine Parish, at bridge on U.S. Highway 171, 1.8 mi northwest of Zwolle, and 3.5 mi upstream from Bayou Scie.

DRAINAGE AREA.--111 mi².

PERIOD OF RECORD.--October 1948 to September 1967.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0	0	0	0	0	0	0	0.05	0.87	2.2
<u>5-year recurrence interval</u>									
0	0	0	0	0	0	0	0	.04	.25
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	.06
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	0	0	0

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
1.2	2.0	2.8	0	0	0	0	0	0	0	0.24	0.47
<u>10-year recurrence interval</u>											
0	.07	.35	0	0	0	0	0	0	0	0	0
<u>20-year recurrence interval</u>											
0	0	.18	0	0	0	0	0	0	0	0	0

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,490	466	179	27	2.3	0.13	0.05	0.02	0	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08024200 Bayou La Nana near Zwolle, La. (119)

LOCATION.--Lat 31°30'56", long 93°39'04", in NW1/4SE1/4 sec. 12, T. 6 N., R. 13 W., Sabine Parish, at bridge on State Highway 475, 0.75 mi downstream from Spring Branch, 4 mi upstream from mouth, and 8 mi south of Zwolle.

DRAINAGE AREA.--130 mi².

PERIOD OF RECORD.--October 1955 to March 1967.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
0.23	0.23	0.29	0.32	0.33	0.46	0.75	2.0	3.7	6.9
<u>5-year recurrence interval</u>									
0	0	0	0	0	.05	.10	.61	1.4	2.3
<u>10-year recurrence interval</u>									
0	0	0	0	0	0	0	.32	.90	1.4
<u>20-year recurrence interval</u>									
0	0	0	0	0	0	0	.19	.63	.94

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
3.8	5.2	6.7	0	0.66	1.1	0.25	0.36	0.47	2.1	2.6	4.1
<u>10-year recurrence interval</u>											
1.0	1.2	1.6	0	0	.06	0	0	0	.30	.44	.74
<u>20-year recurrence interval</u>											
.67	.76	1.1	0	0	.02	0	0	0	.17	.28	.49

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,580	377	129	36	8.1	2.0	0.63	0.28	0.04	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08025500 Bayou Toro near Toro, La. (120)

LOCATION.--Lat 31°18'25", long 93°30'56", in SW1/4 sec. 20, T. 4 N., R. 11 W., Sabine Parish, near right bank on downstream side of bridge on State Highway 473, 0.2 mi upstream from Hamby Creek, 2.5 mi northeast of Toro, and 7.8 mi west of Hornbeck.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--October 1955 to September 1999. Record discontinuous.

MEAN-DAILY MINIMUM FLOW.--0.1 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
4.4	4.7	4.9	5.1	5.4	6.1	6.9	9.7	15	24
<u>5-year recurrence interval</u>									
1.9	2.0	2.2	2.3	2.5	3.0	3.4	4.6	7.4	12
<u>10-year recurrence interval</u>									
1.1	1.1	1.2	1.3	1.5	1.8	2.2	2.9	5.1	8.6
<u>20-year recurrence interval</u>									
.60	.63	.72	.79	.92	1.2	1.5	2.0	3.8	6.5

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
18	23	29	0	6.0	7.2	5.0	5.5	6.2	18	23	33
<u>10-year recurrence interval</u>											
6.8	7.8	9.4	0	1.8	2.3	1.1	1.3	1.6	6.2	7.4	10
<u>20-year recurrence interval</u>											
4.9	5.5	6.6	0	1.3	1.6	.64	.76	1.0	4.6	5.4	7.0

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
2,260	725	300	102	34	12	5.8	3.9	1.7	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08027500 Bayou Anacoco near Leesville, La. (121)

LOCATION.--Lat 31°09'35", long 93°21'05", in NW1/4NW1/4 sec. 13, T. 2 N., R. 10 W., Vernon Parish, at bridge on State Highway 8, 2.8 mi upstream from Prairie, and 5.5 mi west of Leesville.

DRAINAGE AREA.--118 mi².

PERIOD OF RECORD.--October 1948 to September 1964.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
8.0	8.1	8.5	8.8	9.1	9.7	11	14	22	33
<u>5-year recurrence interval</u>									
5.4	5.5	5.7	5.9	6.0	6.2	6.6	7.7	11	15
<u>10-year recurrence interval</u>									
4.4	4.5	4.6	4.8	4.8	4.9	5.2	5.7	7.6	11
<u>20-year recurrence interval</u>									
3.7	3.8	3.9	4.0	4.0	4.1	4.3	4.4	5.6	7.7

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
19	24	29	9.0	9.5	11	8.8	9.6	10	23	28	37
<u>10-year recurrence interval</u>											
11	12	13	4.2	5.1	5.2	4.4	4.7	4.9	12	13	17
<u>20-year recurrence interval</u>											
9.0	9.6	11	3.2	4.2	4.3	3.6	3.8	4.0	10	11	14

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
1,500	598	309	118	41	17	9.7	6.7	4.0	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08028000 Bayou Anacoco near Rosepine, La. (122)

LOCATION.--Lat 30°57'10", long 93°21'10", on line between secs. 25 and 26, T. 1 S., R. 10 W., Vernon Parish, near center of span on downstream side of bridge on parish road from Rosepine to Evans, just downstream from Pocosin Creek, and 4.8 mi northwest of Rosepine.

DRAINAGE AREA.--365 mi².

PERIOD OF RECORD.--October 1951 to September 1999.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.--Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft) except January 1956 to September 1958 and Vernon Lake (usable capacity, 58,000 acre-ft) since May 1963. Occasional regulation July to September in most years caused temporary lowering of the reservoirs upstream.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
12	13	14	15	16	19	23	35	58	107
<u>5-year recurrence interval</u>									
8.1	8.5	9.2	9.6	11	12	14	19	30	60
<u>10-year recurrence interval</u>									
6.7	6.9	7.4	7.8	8.6	9.7	11	14	21	44
<u>20-year recurrence interval</u>									
5.7	5.9	6.3	6.6	7.3	8.2	8.8	11	16	34

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
51	68	92	0	19	24	13	15	18	66	90	136
<u>10-year recurrence interval</u>											
22	27	33	0	9.4	11	6.8	7.4	8.9	20	26	41
<u>20-year recurrence interval</u>											
18	21	24	0	7.9	9.0	5.8	6.3	7.6	14	18	29

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
4,680	1,940	1,100	452	151	45	20	15	8.4	

Table 2. Low-flow characteristics for continuous-record streamflow-gaging stations having 10 or more years of record—Continued

08028700 Hoosier Creek near Merryville, La. (124)

LOCATION.--Lat 30°43'32", long 93°33'36", in SE1/4 sec. 11, T. 4 S., R. 12 W., Beauregard Parish, at bridge on State Highway 389, 2 mi upstream from Pullem Branch, and 2 mi south of Merryville.

DRAINAGE AREA.--13.1 mi².

PERIOD OF RECORD.--October 1955 to September 1981.

MEAN-DAILY MINIMUM FLOW.--0.88 ft³/s.

Lowest annual average flow, in ft³/s, for the indicated number of consecutive days and recurrence interval

Days									
1	3	7	10	14	20	30	60	120	183
<u>2-year recurrence interval</u>									
1.8	1.8	1.8	1.8	1.9	2.0	2.0	2.4	3.6	4.5
<u>5-year recurrence interval</u>									
1.3	1.3	1.3	1.3	1.4	1.4	1.5	1.6	2.2	2.7
<u>10-year recurrence interval</u>									
1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.4	1.8	2.1
<u>20-year recurrence interval</u>									
.98	.99	1.0	1.0	1.0	1.1	1.1	1.3	1.5	1.8

Lowest average flow, in ft³/s, for the indicated season, number of consecutive days, and recurrence interval

March-May			June-August			September-November			December-February		
Days											
1	7	14	1	7	14	1	7	14	1	7	14
<u>2-year recurrence interval</u>											
3.0	3.4	3.9	0	2.0	2.1	1.9	1.9	2.0	3.6	4.2	5.3
<u>10-year recurrence interval</u>											
1.8	1.9	2.1	0	1.2	1.2	1.1	1.2	1.2	1.9	2.2	2.9
<u>20-year recurrence interval</u>											
1.6	1.6	1.7	0	1.1	1.1	.99	1.0	1.1	1.6	1.9	2.5

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
193	50	25	11	4.9	2.6	1.8	1.5	1.2	

Table 3. Low-flow characteristics for continuous-record streamflow-gaging stations having less than 10 years of record

[Number in parentheses that follows the station number and station name is the map number in figure 2. Lat, latitude; long, longitude; ft, foot; mi, mile; mi², square mile; ft³/s, cubic foot per second]

02492600 Pearl River at Pearl River, La. (6)

LOCATION.--Lat 30°23'06", long 89°44'12", in NW1/4NW1/4 sec. 6, T. 8 S., R. 15 E., St. Helena Meridian, St. Tammany Parish, on left bank on downstream side of Norfolk and Southern Railroad bridge over West Pearl River, 700 ft upstream from Interstate Highway 59, and 0.8 mi northeast of town of Pearl River.

DRAINAGE AREA.--8,590 mi².

PERIOD OF RECORD.--October 1963 to September 1970.

MEAN-DAILY MINIMUM FLOW.--800 ft³/s.

Low-flow characteristics for seven consecutive days and indicated recurrence interval

Recurrence interval	Flow (ft ³ /s)	Standard error (percent)
2-year	2,130	1.9
10-year	1,850	1.3

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days								
1	5	10	25	50	75	90	95	99
53,200	28,900	23,300	11,600	4,930	3,030	2,470	2,200	1,730

07349374 Flat River near Curtis, La. (16)

LOCATION.--Lat 32°26'20", long 93°37'37", in NW1/4NW1/4 sec. 29, T.17 N., R.12 W., Bossier Parish, near left bank on downstream side of bridge on State Highway 612, and 1.0 mi east of Curtis.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1980 to September 1988.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Low-flow characteristics for seven consecutive days and indicated recurrence interval

Recurrence interval	Flow (ft ³ /s)	Standard error (percent)
2-year	2.5	2.1
10-year	2.0	4.7

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days								
1	5	10	25	50	75	90	95	99
22	359	193	59	22	10	5.9	4.2	2.4

Table 3. Low-flow characteristics for continuous-record streamflow-gaging stations having less than 10 years of record—Continued

07350020 Loggy Bayou near East Point, La. (22)

LOCATION.-- Lat 32°11'40", long 93°26'30", in SW1/4SW1/4 sec. 18, T. 14 N., R. 10 W, Red River Parish, on downstream side of bridge on State Highway 515, 1.7 mi above mouth and confluence with Red River, and 2.0 mi north of East Point.

DRAINAGE AREA.--2, 648 mi².

PERIOD OF RECORD.--October 1980 to September 1986.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Low-flow characteristics for seven consecutive days and indicated recurrence interval

Recurrence interval	Flow (ft ³ /s)	Standard error (percent)
2-year	73	7.0
10-year	48	10

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days								
1	5	10	25	50	75	90	95	99
12,900	7,440	5,170	2,860	739	334	165	95	56

07351600 Bayou Pierre near Grand Bayou, La. (26)

LOCATION.--Lat 32°04'41", long 93°30'36", in SE1/4SE1/4 sec. 29, T. 13 N., R. 11 W., De Soto Parish, near left bank on downstream side of bridge on U.S. Highway 84, 0.7 mi upstream from Bailey Bayou, and 2.8 mi west of the village of Grand Bayou.

DRAINAGE AREA.--661 mi².

PERIOD OF RECORD.--October 1977 to September 1984.

MEAN-DAILY MINIMUM FLOW.--4.3 ft³/s.

Low-flow characteristics for seven consecutive days and indicated recurrence interval

Recurrence interval	Flow (ft ³ /s)	Standard error (percent)
2-year	51	5.8
10-year	36	14

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days								
1	5	10	25	50	75	90	95	99
6,210	2,960	1,660	449	103	29	18	14	8.8

Table 3. Low-flow characteristics for continuous-record streamflow-gaging stations having less than 10 years of record—Continued

07351748 West Branch Dolet Bayou at Rambin, La. (28)

LOCATION.--Lat 31°57'35", long 93°27'05", in SW1/4 sec. 12, T. 11 N., R. 11 W., De Soto Parish, at bridge on State Highway 177, and 0.6 mi north of Rambin.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1979 to September 1986.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Low-flow characteristics for seven consecutive days and indicated recurrence interval

Recurrence interval	Flow (ft ³ /s)	Standard error (percent)
2-year	1.3	36.7
10-year	.04	51.1

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
129	97	54	20	7.3	0.54	0.13	0.05	0.01	

07353800 Youngs Bayou at Natchitoches, La. (35)

LOCATION.--Lat 31°45'00", long 93°06'40", T. 9 N., R. 7 W., Natchitoches Parish, near center of span on downstream side of bridge on State Highway 6 at city limits of Natchitoches, and 3 mi downstream from Gumroot Branch.

DRAINAGE AREA.--40.1 mi².

PERIOD OF RECORD.--December 1957 to September 1964.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

REMARKS.--Moderate regulation.

Low-flow characteristics for seven consecutive days and indicated recurrence interval

Recurrence interval	Flow (ft ³ /s)	Standard error (percent)
2-year	0	Not applicable—graphically analyzed
10-year	0	Not applicable—graphically analyzed

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
370	151	70	16	2.0	0	0	0	0	0

Table 3. Low-flow characteristics for continuous-record streamflow-gaging stations having less than 10 years of record—Continued

07355005 Dyer Creek near Hot Wells, La. (40)

LOCATION.--Lat 31°17'45", long 92°44'00", Rapides Parish, at bridge on State Highway 1200, and 3.0 mi southwest of Hot Wells.

DRAINAGE AREA.--5.22 mi².

PERIOD OF RECORD.--October 1955 to September 1964.

MEAN-DAILY MINIMUM FLOW.--1.3 ft³/s.

Low-flow characteristics for seven consecutive days and indicated recurrence interval

Recurrence interval	Flow (ft ³ /s)	Standard error (percent)
2-year	1.7	4.3
10-year	1.4	4.9

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
49	16	8.1	4.9	3.3	2.6	2.1	1.9	1.5	

07371540 Fouse Bayou at State Highway 155, near Danville, La. (61)

LOCATION.--Lat 32°13'50", long 92°55'11", in NW1/4 sec. 6, T. 14 N., R. 5 W., Bienville Parish, near left bank on upstream side of culvert on State Highway 155, 0.4 mi southwest of intersection with State Highway 4, and 5.0 mi west of Danville.

DRAINAGE AREA.--Approximately 1.5 mi².

PERIOD OF RECORD.--June 1977 to September 1981.

MEAN-DAILY MINIMUM FLOW.-- 0 ft³/s.

Low-flow characteristics for seven consecutive days and indicated recurrence interval

Recurrence interval	Flow (ft ³ /s)	Standard error (percent)
2-year	0.17	54
10-year	.02	65

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
22	2.7	0.93	0.16	0.07	0.04	0.01	0.01	0	

Table 3. Low-flow characteristics for continuous-record streamflow-gaging stations having less than 10 years of record—Continued

07373965 South Canal near Baker, La. (68)

LOCATION.--Lat 30°37'00", long 91°08'56", in NW1/4NE1/4 lot 60, T. 5 S., R. 1 E., St. Helena Meridian, East Baton Rouge Parish, near center of span on downstream side of bridge on McHugh Road, 1.2 mi downstream from White Bayou east diversion channel, 1.4 mi upstream from Cypress Bayou, and 2.3 mi northeast of Baker.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1972 to September 1982.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Low-flow characteristics for seven consecutive days and indicated recurrence interval

Recurrence interval	Flow (ft ³ /s)	Standard error (percent)
2-year	0.14	11
10-year	.04	20

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days								
1	5	10	25	50	75	90	95	99
1,110	467	162	24	5.3	1.3	0.42	0.21	0.03

07377700 Redwood Creek near Slaughter, La. (76)

LOCATION.--Lat 30°43'44", long 91°06'54", in lot 4, T. 3 S., R. 1 E., St. Helena Meridian, East Feliciana Parish, near right bank on downstream side of bridge on State Highway 412, 2.0 mi northeast of Slaughter, and 3.5 mi upstream from Doyle Bayou.

DRAINAGE AREA.--41.1 mi².

PERIOD OF RECORD.--February 1966 to September, 1968.

MEAN-DAILY MINIMUM FLOW.--3.2 ft³/s.

Low-flow characteristics for seven consecutive days and indicated recurrence interval

Recurrence interval	Flow (ft ³ /s)	Standard error (percent)
2-year	4.1	0.81
10-year	3.8	.35

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days								
1	5	10	25	50	75	90	95	99
1,020	122	49	16	7.7	5.2	4.4	4.1	3.6

Table 3. Low-flow characteristics for continuous-record streamflow-gaging stations having less than 10 years of record—Continued

07380000 Ward Creek at Siegen Lane, near Baton Rouge, La. (83)

LOCATION.--Lat 30°22'30", long 91°04'10", East Baton Rouge Parish, at bridge 0.5 mi downstream from Dawson Creek, and near Baton Rouge.

DRAINAGE AREA.--40.0 mi².

PERIOD OF RECORD.--January 1947 to February 1954.

MEAN-DAILY MINIMUM FLOW.--0.9 ft³/s.

Low-flow characteristics for seven consecutive days and indicated recurrence interval

Recurrence interval	Flow (ft ³ /s)	Standard error (percent)
2-year	1.6	2.2
10-year	1.2	3.1

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
698	303	178	50	12	4.8	3.1	2.4	1.5	

08011000 Bayou Plaquemine Brule near Crowley, La. (99)

LOCATION.--Lat 30°14' 09", long 92°23'44", Acadia Parish, at bridge on State Highway 100, and 1.8 mi northwest of Crowley.

DRAINAGE AREA.--254 mi².

PERIOD OF RECORD.--October 1942 to September 1947.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Low-flow characteristics for seven consecutive days and indicated recurrence interval

Recurrence interval	Flow (ft ³ /s)	Standard error (percent)
2-year	2.5	7.1
10-year	1.0	11

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days									
1	5	10	25	50	75	90	95	99	
5,410	2,370	1,560	604	120	39	7.0	1.2	0.24	

Table 3. Low-flow characteristics for continuous-record streamflow-gaging stations having less than 10 years of record—Continued

08014000 Sixmile Creek near Sugartown, La. (104)

LOCATION.--Lat 30°48'52", long 92°55'34", in NE1/4 sec. 12, T. 3 S., R. 6 W., Allen Parish, at bridge on State Highway 112, and 4.6 mi east of Sugartown.

DRAINAGE AREA.--171 mi².

PERIOD OF RECORD.--February 1956 to September 1965.

MEAN-DAILY MINIMUM FLOW.--0 ft³/s.

Low-flow characteristics for seven consecutive days and indicated recurrence interval

Recurrence interval	Flow (ft ³ /s)	Standard error (percent)
2-year	53	1.3
10-year	37	.91

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days								
1	5	10	25	50	75	90	95	99
1,880	941	584	221	110	71	53	42	28

08028200 Bayou Anacoco near Knight, La. (123)

LOCATION.--Lat 30°52'15", long 93°30'25", Vernon Parish, at bridge on State Highway 111, and 4.5 mi southwest of Knight.

DRAINAGE AREA.--425 mi².

PERIOD OF RECORD.--October 1969 to September 1973.

MEAN-DAILY MINIMUM FLOW.--26 ft³/s.

Low-flow characteristics for seven consecutive days and indicated recurrence interval

Recurrence interval	Flow (ft ³ /s)	Standard error (percent)
2-year	39	3.0
10-year	27	4.2

Flow, in ft³/s, which was exceeded for the indicated percentage of days

Percentage of days								
1	5	10	25	50	75	90	95	99
4,570	2,080	1,280	559	236	104	62	47	30

Table 4. Low-flow characteristics for partial-record stations in Louisiana

[mi², square mile; 7Q₂, 7-day, 2-year low flow; ft³/s, cubic foot per second; SE-2, standard error of the 7Q₂; 7Q₁₀, 7-day, 10-year low flow; SE-10, standard error of the 7Q₁₀; lat, latitude; long, longitude; mi, mile; S, Stedinger and Thomas method; NA, not applicable; G, graphical correlation]

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
1	02489300 Pushapatapa Creek near Angie	Lat 30°58'50", long 89°56'40", at bridge on State Highway 438, 8.5 mi west of Angie.	1955-63	72.3	42	7.5	32	9.3	02492000 02490000	S
2	02489400 Pushapatapa Creek at Varnado	Lat 30°52'50", long 89°49'50", at bridge on State Highway 21, 0.9 mi south of Varnado.	1956-63	158	81	NA	58	NA	02490000	G
3	02489440 Adams Creek near Bogalusa	Lat 30°49'45", long 89°50'10", at bridge 2.6 mi northeast of Bogalusa water tower.	1963-67	14.2	2.5	7.8	1.7	3.6	02492000	S
4	02489470 Peters Creek at Bogalusa	Lat 30°48'46", long 89°51'15", at bridge 1.1 mi northeast of Bogalusa water tower.	1963-67	12.8	4.3	9.3	2.9	12	02490000	S
5	02490100 Bogue Lusa Creek at Bogalusa	Lat 30°46'10", long 89°53'30", at bridge on State Highway 439, and at Bogalusa.	1956-63	68.7	26	8.2	16	10	02492000	S
6	02491200 Silver Creek near Clifton	Lat 30°55'30", long 90°14'30", at bridge on State Highway 38, 3.6 mi west of Clifton.	1955-63	50.1	23	7.8	18	9.6	02490000	S
7	02491350 Hays Creek near Franklinton	Lat 30°53'16", long 90°11'28", at bridge 3.4 mi northwest of Franklinton water tower.	1963-67	42.2	11	7.2	7.8	9.3	02490000	S
8	02491700 Lawrence Creek near Franklinton	Lat 30°51'40", long 90°06'55", at bridge on State Highway 10, 2.0 mi east of Franklinton.	1956-63	44.2	15	12	10	15	02492000 02490000	S
9	02491720 Bonner Creek near Franklinton	Lat 30°47'05", long 90°10'04", at bridge on State Highway 25, 4.1 mi south of Franklinton water tower.	1963-67	9.44	5.8	6.5	3.8	6.0	02492000	S
10	02491750 Warner Creek near Enon	Lat 30°45'30", long 90°07'22", at bridge 3.1 mi northwest of Enon.	1963-67	11.6	.39	16	.19	21	02490000	S
11	02491820 Mill Creek at Enon	Lat 30°43'48", long 90°02'25", at bridge 0.6 mi east of Enon.	1963-67	15.0	.69	14	.37	19	02490000	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
12	02491850 Miller Creek near Enon	Lat 30°41'46", long 90°02'14", at bridge 3.5 mi southeast of Enon.	1963-67	8.75	0.65	19	0.29	25	02490000	S
13	02491870 Berrys Creek near Sun	Lat 30°42'22", long 89°59'39", at bridge 6.3 mi northwest of Sun.	1963-67	8.97	1.1	12	.46	11	02492000	S
14	02491900 Talleys Creek near Sun	Lat 30°39'26", long 89°57'50", at bridge 4.3 mi west of Sun.	1963-67	13.5	.96	17	.29	15	02492000	S
15	02492200 Talisheek Creek at Talisheek	Lat 30°32'15", long 89°52'35", at bridge on State Highway 41, 0.4 mi northeast of Talisheek.	1955-63	17.3	2.1	22	.98	28	02490000	S
16	07348730 Indian Creek near Shongaloo	Lat 32°55'00", long 93°22'05", at bridge 4.4 mi southwest of Shongaloo.	1963-67	46.4	.10	51	0	74	07348800	S
17	07348760 Black Bayou at Leton	Lat 32°51'10", long 93°15'05", at bridge on State Highway 2, 0.5 mi south of Leton.	1955-67	49.8	.24	53	.04	59	07347000 07349500	S
18	07348780 Dry Creek near Cotton Valley	Lat 32°48'20", long 93°21'55", at bridge 3.1 mi southeast of Cotton Valley.	1963-67	15.2	.70	21	.25	30	07364700	S
19	07348970 Sausman's Creek near Minden	Lat 32°38'50", long 93°22'10", at bridge 5.5 mi northwest of Minden.	1963-67	12.8	0	14	0	14	07352000	S
20	07349030 Boone Creek near Doyline	Lat 32°32'20", long 93°22'30", at bridge 2.1 mi east of Doyline.	1963-67	19.5	.60	NA	.25	NA	07351700	G
21	07349100 Brushy Creek near Sibley	Lat 32°28'50", long 93°18'00", at bridge on State Highway 7, 4.0 mi south of Sibley.	1954-63	43.6	1.5	20	.51	29	07352000	S
22	07349200 Clarke Bayou near Haughton	Lat 32°34'05", long 93°29'10", at bridge on U.S. Highway 79/80, 2.5 mi northeast of Haughton.	1954-63	35.1	.58	36	.11	40	07349000	S
23	07349600 Caney Creek near Cotton Valley	Lat 32°49'20", long 93°29'15", at bridge on State Highway 160, 5.0 mi west of Cotton Valley.	1954-59	63.9	0	78	0	103	07352000	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
24	07350800 Bayou Pierre at Forbing	Lat 32°23'35", long 93°43'25", at bridge 0.6 mi northeast of Forbing and 8.1 mi south of Shreveport Post Office.	1963-69	19.0	2.3	30	0.44	38	07351000	S
25	07351250 Brush Bayou at Mt. Zion Road near Shreveport	Lat 32°24'45", long 93°46'25", at bridge 0.6 mi southwest of Shreveport Post Office.	1963-69	19.7	1.2	21	.38	27	07351000	S
26	07351670 Rambin Bayou near Frierson	Lat 32°13'25", long 93°42'15", at bridge on State Highway 175, 1.5 mi south of Frierson.	1954-63	59.6	.20	48	0	64	07351000	S
27	07351703 Little Bayou Na Bonchasse near Mansfield	Lat 32°07'25", long 93°42'05", at bridge 7.0 mi north of Mansfield water tower.	1963-69	10.9	.03	44	0	58	07352000	S
28	07351720 Buffalo Bayou near Naborton	Lat. 32°04'30", long 93°35'45", at bridge on a parish road, 2.5 mi north of Naborton.	1956-63	17.7	0	48	0	67	07352000	S
29	07351760 Bayou Terre Blanc near Allen	Lat 31°46'20", long 93°17'55", at bridge on a parish road, 4.0 mi south of Allen.	1955-63	26.6	0	59	0	79	07352000	S
30	07352040 Readhimer Creek near Lucky	Lat 32°12'50", long 93°01'00", at bridge 3.0 mi southwest of Lucky.	1963-67	4.40	.57	NA	.33	NA	07352000	G
31	07352060 Mill Creek at Saline	Lat 32°10'15", long 92°58'35", at bridge 0.5 mi north of Saline.	1963-67	12.8	1.5	NA	1.1	NA	07352000	G
32	07352100 Saline Bayou near Goldonna	Lat 32°00'00", long 92°53'35", at bridge on State Highway 156, 1.5 mi southeast of Goldonna.	1956-63	293	25	NA	13	NA	07352000	G
33	07352200 Black Lake Bayou near Minden	Lat 32°34'50", long 93°10'55", at bridge on U.S. Highway 80, 7.0 mi southeast of Minden.	1955-63	38.6	4.4	46	.31	34	07349000	S
34	07352250 Bear Creek near Ada	Lat 32°33'10", long 93°09'20", bridge on U.S. Highway 80, 1.0 mi northwest of Ada.	1956-63	53.1	0	NA	0	NA	07352000	G

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
35	07352300 Black Lake Creek near Gibsland	Lat 32°32'45", long 93°05'10", at Illinois Central Railroad bridge, 2.0 mi west of Gibsland.	1955-63	46.1	0.04	71	0	103	07352000	S
36	07352370 Brushy Creek near Gibsland	Lat 32°27'50", long 93°05'15", at bridge 6.0 mi southwest of Gibsland.	1963-67	15.7	.02	NA	0	NA	07352000	G
37	07352400 Kepler Creek at Sparta	Lat 32°22'05", long 93°05'35", at bridge 0.8 mi west of Sparta.	1954-63	21.1	3.9	13	2.1	16	07352000	S
38	07352600 Mill Creek near Castor	Lat 32°13'55", long 93°14'00", at bridge 4.5 mi southwest of Castor.	1955-63	21.5	1.5	29	.60	37	07352000	S
39	07352700 Castor Creek at Castor	Lat 32°14'35", long 93°09'30", at bridge 0.8 mi southeast of Castor.	1954-63	27.9	2.9	17	1.3	22	07352000	S
40	07352750 Brushy Creek near Liberty	Lat 32°02'20", long 93°11'50", at bridge on State Highway 507, 2.5 mi south of Liberty.	1956-67	13.3	.05	49	0	79	07353500	S
41	07354100 Kisatchie Bayou near Bellwood	Lat 31°29'05", long 93°08'20", at bridge on Lotus-Gorum Forest Service Road, 5.0 mi southeast of Bellwood.	1955-63	140	6.5	19	2.8	25	08027500	S
42	07354200 Bayou Santabarb at Bellwood	Lat 31°32'10", long 93°12'25", at bridge on State Highway 117, 0.6 mi north of Bellwood.	1956-63	51.1	.61	47	.09	65	07354500	S
43	07354300 Middle Creek near Bellwood	Lat 31°30'25", long 93°11'50", at bridge on State Highway 117, 1.6 mi south of Bellwood.	1956-63	40.0	.56	34	.12	45	07354500	S
44	07354625 Bayou Provencal at Flora	Lat 31°36'10", long 93°06'10", at bridge 0.8 mi southeast of Flora.	1963-69	61.9	.02	73	0	103	07354000	S
45	07354700 Kisatchie Bayou at Cypress	Lat 31°35'45", long 93°02'30", at bridge 0.6 mi south of Cypress.	1963-68	360	7.9	31	2.3	40	07354000	S
46	07354800 Bayou Pierre at Gorum	Lat 31°26'00", long 92°56'30", at bridge at Gorum.	1956-63	19.1	.14	38	.03	49	07354000	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
47	07355150 Iatt Creek near Faircloth	Lat 31°39'25", long 92°38'45", at bridge on State Highway 122, 4.5 mi northwest of Faircloth.	1954-59	114	8.1	NA	6.9	NA	07355000	G
48	07355180 Dartigo Creek near Colfax	Lat 31°38'55", long 92°43'40", at bridge 9.0 mi north of Colfax.	1963-69	44.4	.46	27	.15	34	07354000	S
49	07355200 Black Creek near Faircloth	Lat 31°38'00", long 92°38'00", at bridge 3.0 mi northwest of Faircloth.	1954-63	26.4	8.5	7.3	5.0	8.6	07373000	S
50	07355350 Bayou Grappe (Du Grappe) near Colfax	Lat 31°33'45", long 92°44'05", at bridge 3.0 mi north of Colfax.	1956-69	15.1	0	62	0	77	08028000	S
51	07355360 Jordan Creek near Bentley	Lat 31°30'50", long 92°31'50", at bridge 2.1 mi west of Bentley.	1963-69	3.70	.67	24	.30	29	07354000	S
52	07355366 Cress Creek near Bentley	Lat 31°31'25", long 92°35'15", at bridge 5.5 mi west of Bentley.	1963-69	4.20	.17	23	.07	29	07354000	S
53	07364101 Shiloh Creek near Beekman	Lat 32°58'30", long 92°58'45", at bridge 6.5 mi northwest of Beekman.	1963-67	48.0	.02	NA	0	NA	07368000	G
54	07364210 Overflow Creek near Jones	Lat 32°59'00", long 91°42'05", at bridge on State Highway 834, 3.4 mi northwest of Jones.	1964-67	88.0	.61	NA	.02	NA	07364200	G
55	07364505 Cypress Bayou near Bastrop	Lat 32°51'15", long 91°54'15", at bridge on State Highway 139, 5.2 mi north of Bastrop.	1963-67	17.0	0	NA	0	NA	07368000	G
56	07364800 Bayou D'Arbonne at Homer	Lat 32°48'30", long 93°03'20", at bridge on U.S. Highway 79, 0.2 mi north of Homer town limit.	1955-63	30.0	.16	83	0	140	07365000	S
57	07364900 Big Creek near Vienna	Lat 32°37'50", long 92°43'25", at bridge on State Highway 146, 5.3 mi northwest of Vienna.	1955-63	68.9	.04	148	0	362	07365000	S
58	07365100 Cypress Creek near Unionville	Lat 32°39'35", long 92°35'15", at bridge on State Highway 822, 3.2 mi east of Unionville.	1955-63	63.3	.32	83	0	150	07365000	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
59	07365300 Middle Fork Bayou D'Arbonne near Colquitt	Lat 32°55'40", long 92°59'40", at bridge on State Highway 520, 2.0 mi southwest of Colquitt.	1955-63	43.9	0.04	71	0	104	07352000	S
60	07365850 Little Corney Bayou near Summerfield	Lat 32°58'15", long 92°52'25", at bridge on a parish road, 5.0 mi north of Summerfield.	1956-63	54.0	.31	66	.03	93	07352000	S
61	07366350 Stowe Creek near Farmerville	Lat 32°40'20", long 92°28'20", at bridge on State Highway 151, 8.0 mi southwest of Farmerville.	1955-63	29.0	.04	111	0	252	07352000 07365000	S
62	07367600 Cypress Creek near Vixen	Lat 32°17'20", long 92°14'45", at bridge 4.1 mi northeast of Vixen.	1964-67	16.0	.14	38	.02	52	07370500	S
63	07368520 Big Creek at Holly Ridge	Lat 32°28'00", long 91°36'40", at bridge 0.5 mi east of Holly Ridge.	1955-67	171	.06	63	0	82	07352000 07369500	S
64	07368540 Big Creek near Mangham	Lat 32°17'30", long 91°45'45", at bridge on State Highway 15, 1.5 mi southeast of Mangham.	1956-63	347	120	160	3.1	116	07352000	S
65	07368560 Little Creek near Mangham	Lat 32°18'00", long 91°49'20", at bridge 3.0 mi west of Mangham.	1956-67	25.1	0	27	0	34	07352000	S
66	07368750 Bayou Galion near Mer Rouge	Lat 32°46'15", long 91°45'25", at bridge on State Highway 2, 2.0 mi east of Mer Rouge.	1955-63	22.9	.05	67	0	105	07370500	S
67	07369200 Turkey Creek at Winnsboro	Lat 32°09'50", long 91°42'40", at bridge on old State Highway S4 and 17, at Winnsboro.	1955-63	101	.17	47	.04	110	07368000	S
68	07369360 Bushley Creek at Manifest	Lat 31°42'50", long 91°56'10", at bridge on State Highway 8, 0.5 mi east of Manifest.	1954-63	64.7	4.1	14	1.5	17	07373000	S
69	07369640 Bayou Vidal at Quimby	Lat 32°14'00", long 91°12'55", at bridge on U.S. Highway 65, at Quimby.	1956-69	160	.12	90	0	138	07364700 07369500	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
70	07370200 Castor Creek (Bayou Castor) at Chatham	Lat 32°19'10", long 92°26'15", at bridge on State Highway 34, 1.0 mi northeast of Chatham.	1954-63	60.0	0.28	43	0.03	57	07352000	S
71	07370400 Bills Creek near Mount Pleasant	Lat 32°10'40", long 92°12'00", at bridge on State Highway 4, 3.0 mi north of Mount Pleasant.	1956-69	24.7	.04	35	0	55	07370500	S
72	07370550 Black Bayou (Black Creek) near Clarks	Lat 32°00'20", long 92°12'00", at bridge on a parish road, 4.0 mi southeast of Clarks.	1955-69	89.0	.04	36	0	60	07370500	S
73	07370600 Beaucoup Creek (Bayou Beaucoup) near Cotton Plant	Lat 32°06'40", long 92°19'20", at bridge on State Highway 126, 3.3. mi west of Cotton Plant.	1954-63	127	.47	68	.02	111	07370500	S
74	07370700 Beech Creek near Olla	Lat 31°54'55", long 92°23'35", at bridge on State Highway 124, 9.0 mi west of Olla.	1954-63	58.0	.04	78	0	105	07372500	S
75	07370750 Chickasaw (Big Chickasaw) Creek near Olla	Lat 31°52'30", long 92°13'35", at bridge on State Highway 127, 2.0 mi southeast of Olla.	1955-64	47.6	.05	46	0	59	07372500	S
76	07370800 Castor Creek (Bayou Castor) at Tullos	Lat 31°49'45", long 92°20'20", at bridge on U.S. Highway 84, 0.9 mi west of Tullos.	1954-67	923	26	31	4.9	41	07370500	S
77	07370820 Dugdemona River near Quitman	Lat 32°20'40", long 92°44'40", at bridge on State Highway 155, 1.7 mi west of Quitman.	1958-63	117	.16	91	0	149	07352000	S
78	07370930 Cypress Creek at Quitman	Lat 32°20'45", long 92°42'55", at bridge on U.S. Highway 167, 0.5 mi east of Quitman.	1954-67	46.0	.08	54	0	77	07352000	S
79	07370980 Little Dugdemona River near Hodge	Lat 32°16'20", long 92°41'40", at bridge on State Highway 813, 1.7 mi east of Hodge.	1963-67	20.0	.32	59	.02	35	07372200	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
80	07371050 Dukedall Creek near Danville	Lat 32°15'30", long 92°48'45", at bridge on a parish road, 3.2 mi northeast of Danville.	1956-67	19.5	0	96	0	149	07352000	S
81	07371800 Big Creek near Dodson	Lat 32°05'40", long 92°41'25", at bridge on State Highway 126, 2.0 mi northwest of Dodson.	1955-63	81.0	0	88	0	151	07352000	S
82	07372100 Port De Luce Creek at Winnfield	Lat 31°56'15", long 92°39'05", at bridge on U.S. Highway 167, 0.9 mi north of Winnfield.	1956-63	31.0	0	86	0	124	07352000	S
83	07372110 Brushy Creek near Joyce	Lat 31°55'10", long 92°33'15", at bridge 3.0 mi southeast of Joyce.	1963-69	24.0	.29	55	.03	74	07370500	S
84	07372160 Pope Creek near Tullos	Lat 31°50'40", long 92°24'50", at bridge 5.5 mi northwest of Tullos.	1963-69	11.0	.05	49	0	67	07370500	S
85	07372300 Bear Creek near Packton	Lat 31°47'05", long 92°34'40", at bridge on U.S. Highway 167, 1.1 mi north of Packton.	1956-69	11.0	0	55	0	71	07372500	S
86	07372600 Fish Creek near Pollock	Lat 31°38'20", long 92°25'48", at bridge on U.S. Highway 165, 7.5 mi north of Pollock.	1954-63	30.0	5.9	12	2.6	14	07373000	S
87	07372720 Trout Creek near Pollock	Lat 31°36'30", long 92°17'00", at bridge 9.3 mi northeast of Pollock.	1964-70	29.0	8.6	8.6	5.7	4.8	07372200	S
88	07372900 Dyson Creek near Pollock	Lat 31°32'20", long 92°25'40", at bridge 1.6 mi northwest of Pollock.	1964-69	12.0	4.4	8.0	2.9	11	07373000	S
89	07373050 Sandy Creek at Pollock	Lat 31°31'20", long 92°24'00", at bridge 0.5 mi east of Pollock.	1963-69	6.50	1.5	35	.41	51	07383500	S
90	07373133 Clear Creek southeast of Fishville	Lat 31°29'20", long 92°20'20", at bridge 2.6 mi southeast of Fishville.	1964-69	13.6	2.4	29	.95	35	07354000	S
91	07373200 Flagon Bayou near Tioga	Lat 31°23'50", long 92°24'35", at bridge on U.S. Highway 165, 1.5 mi northeast of Tioga.	1954-63	32.0	1.4	19	.39	24	07373000	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
92	07373250 Hemphill Creek at Nebo	Lat 31°33'05", long 92°07'55", at bridge on State Highway 460, 0.6 mi east of Nebo.	1956-67	35.3	13	9.5	9.1	12	07372500	S
93	07373263 Greens Creek near Manifest	Lat 31°39'22", long 91°59'50", at bridge 4.3 mi southwest of Manifest.	1964-69	17.0	3.5	9.3	2.5	12	07372500	S
94	07373264 Rhinehart Creek at Rhinehart	Lat 31°38'20", long 92°00'20", at bridge 0.1 mi northeast of Rhinehart.	1964-69	8.50	.59	24	.24	29	07373000 07372500	S
95	07373296 Polly Creek near St. Francisville	Lat 30°53'06", long 91°29'05", at bridge 9.4 mi northwest of St. Francisville.	1963-67	4.32	.72	6.9	.59	9.5	07373500	S
96	07373300 Bayou Sara near St. Francisville	Lat 30°50'40", long 91°24'15", at bridge on State Highway 66, 5.0 mi northeast of St. Francisville.	1956-63	104	19	6.8	13	8.4	07378000	S
97	07373350 Spring Grove Branch near St. Francisville	Lat 30°50'40", long 91°24'00", at bridge on State Highway 66, 5.0 mi northeast of St. Francisville.	1957-67	1.34	.39	7.5	.25	8.9	07377500	S
98	07373400 Little Bayou Sara near Turnbull	Lat 30°58'15", long 91°28'50", at bridge on State Highway 66, 1.2 mi northwest of Turnbull.	1955-63	22.3	.51	23	.13	29	07378000	S
99	07373440 Beaver Creek near Jackson	Lat 30°52'50", long 91°11'22", at bridge 3.3 mi northeast of Jackson.	1963-67	11.1	3.1	8.2	2.0	7.5	07377000	S
100	07373450 Thompson Creek at Jackson	Lat 30°50'25", long 91°13'35", at bridge on State Highway 10, 0.5 mi west of Jackson.	1955-63	99.3	22	4.9	16	6.2	07377500	S
101	07373520 Mill Creek near Wakefield	Lat 30°56'21", long 91°16'25", at bridge 5.2 mi northeast of Wakefield.	1963-67	2.83	.08	23	.04	31	07373500	S
102	07373570 Middle Fork Thompson Creek near Wakefield	Lat 30°56'23", long 91°14'57", at bridge 6.5 mi northeast of Wakefield.	1963-67	31.3	4.5	9.9	3.4	13	07373500	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
103	07373590 West Fork Thompson Creek at Jackson	Lat 30°50'25", long 91°13'59", at bridge 0.9 mi west of Jackson.	1963-67	66.6	12	5.0	8.5	5.7	07378500	S
104	07373610 Vaughn Creek near Jackson	Lat 30°50'08", long 91°14'19", at bridge 1.3 mi west of Jackson.	1963-67	10.4	2.2	6.4	1.5	7.1	07377000	S
105	07373650 Hammer Creek near Starhill	Lat 30°47'26", long 91°15'30", at bridge 3.4 mi northeast of Starhill.	1963-67	6.98	.57	6.4	.36	7.5	07378000	S
106	07373800 Alexander Creek near St. Francisville	Lat 30°42'55", long 91°22'05", at bridge on State Highway 10, 2.0 mi northeast of St. Francisville.	1955-63	23.9	.03	36	0	45	07377500	S
107	07373950 Bayou Baton Rouge near Baker	Lat 30°35'30", long 91°13'10", at bridge on a parish road, 3.0 mi northwest of Baker.	1956-63	17.6	.03	62	0	75	07377000	S
108	07373960 Cypress Bayou (head of Baker Canal) near Zachary	Lat 30°36'45", long 91°10'15", at bridge 2.0 mi south of Zachary.	1957-63	11.2	.03	45	0	55	07377500	S
109	07374650 Gorman Creek near Wilmer	Lat 30°46'26", long 90°15'32", at bridge 6.8 mi southeast of Wilmer.	1963-69	16.4	4.7	6.5	3.2	5.9	02492000	S
110	07374700 Tchefuncte (Chefuncte) River near Franklinton	Lat 30°44'36", long 90°15'52", at bridge on State Highway 16, 9.0 mi southeast of Franklinton.	1955-63	53.1	27	3.9	21	4.8	02492000	S
111	07375050 Tchefuncte (Chefuncte) River near Covington	Lat 30°29'40", long 90°10'10", at bridge 4.0 mi west of Covington.	1963-67	9.39	55	3.4	41	3.2	07375500	S
112	07375150 Bogue Falaya near Covington	Lat 30°31'28", long 90°06'47", at St. Benedict bridge, 3.0 mi northwest of Covington.	1955-63	76.5	30	12	16	15	02492000	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
113	07375200 Little Bogue Falaya near Covington	Lat 30°32'00", long 90°03'25", at bridge on a parish road, 4.0 mi north of Covington.	1956-63	17.4	2.4	24	0.93	030	07375000	S
114	07375210 East Fork Little Bogue Falaya near Covington	Lat 30°31'37", long 90°02'43", at bridge 4.5 mi northeast of Covington.	1963-69	16.8	2.8	8.6	1.8	7.3	02492000	S
115	07375220 Abita River at Abita Springs	Lat 30°28'55", long 90°01'38", at bridge on State Highway 435, 0.5 mi east of Abita Springs.	1955-67	28.9	.73	40	.07	49	07375000	S
116	07375300 Tangipahoa River near Kentwood	Lat 30°56'15", long 90°29'25", at bridge on State Highway 38, 1.1 mi east of Kentwood.	1956-63	237	130	5.3	98	6.4	07375500	S
117	07375310 Terrys Creek at Kentwood	Lat 30°56'17", long 90°29'45", at bridge on State Highway 38, 1.2 mi east of Kentwood water tower.	1963-67	59.6	32	4.8	24	4.5	07375000	S
118	07375400 Beaver Creek at Tangipahoa	Lat 30°52'57", long 90°30'43", at bridge on U.S. Highway 51, 0.5 mi north of Tangipahoa.	1955-63	25.5	7.7	4.5	5.9	5.7	07375000	S
119	07375424 Big Creek near Roseland	Lat 30°47'44", long 90°27'06", at bridge 4.1 mi northeast of Roseland.	1963-67	38.4	15	NA	8.5	NA	07375000	G
120	07375426 East Fork Big Creek near Roseland	Lat 30°47'27", long 90°26'37", at bridge 4.4 mi northeast of Roseland.	1963-67	31.2	10	NA	7.9	NA	07375000	G
121	07375460 Chappepeela Creek near Loranger	Lat 30°40'55", long 90°19'00", at bridge on a parish road, 6.0 mi northeast of Loranger.	1955-64	24.4	9.8	4.1	7.5	5.4	07375000	S
122	07375470 Little Chappepeela Creek near Loranger	Lat 30°39'43", long 90°22'30", at bridge 2.1 mi northeast of Loranger.	1963-67	27.9	7.8	4.0	5.9	4.4	07375000	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
123	07375600 Washley Creek near Robert	Lat 30°30'20", long 90°18'30", at bridge 2.0 mi east of Robert.	1955-67	25.3	0.07	40	0	53	07376500	S
124	07375680 Bedico Creek near Madisonville	Lat 30°27'13", long 90°15'53", at bridge 7.0 mi northwest of Madisonville.	1963-67	13.7	.21	12	.10	7.9	07375000	S
125	07375850 Tickfaw River near Greensburg	Lat 30°48'55", long 90°38'10", at bridge on State Highway 10, 1.8 mi southeast of Greensburg.	1956-63	136	67	3.2	52	4.2	07376500	S
126	07375900 Joseph (Josephs) Branch at Greensburg	Lat 30°50'01", long 90°39'58", at bridge on State Highway 43, 0.3 mi north of Greensburg.	1955-63	11.6	.51	27	.14	31	07376000	S
127	07375930 Twelvemile Creek near Montpelier	Lat 30°41'50", long 90°30'54", at bridge on State Highway 43, 1.1 mi north of Montpelier.	1953-63	45.0	12	4.7	9.1	6.1	07376500	S
128	07375960 Tickfaw River at Montpelier	Lat 30°41'10", long 90°38'35", at bridge 0.5 mi northeast of Montpelier.	1965-69	220	99	9.4	53	11	07376500	S
129	07376100 West Hog Branch near Livingston	Lat 30°36'15", long 90°45'25", at bridge 6.9 mi north of Livingston.	1965-69	47.4	.42	NA	.21	NA	07376500	G
130	07376150 East Hog Branch near Montpelier	Lat 30°36'05", long 90°42'50", at bridge 6.6 mi southwest of Montpelier.	1965-69	32.2	2.8	NA	1.7	NA	07377500	G
131	07376200 Hog Branch near Doyle	Lat 30°30'10", long 90°42'20", at bridge on U.S. Highway 190, 2.0 mi east of Doyle.	1956-63	110	6.2	12	3.2	16	07376500	S
132	07376290 Blood River near Springfield	Lat 30°26'19", long 90°36'37", at bridge 3.7 mi northwest of Springfield.	1963-67	26.6	.17	28	.05	26	07376500	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
133	07376510 Little Natalbany River near Independence	Lat 30°38'35", long 90°35'00", at bridge 4.9 mi west of Independence.	1965-69	11.3	0.92	NA	0.55	NA	07375000	G
134	07376520 Little Natalbany River at Albany	Lat 30°30'15", long 90°34'40", at bridge 0.3 mi east of Albany.	1963-67	40.6	2.7	13	1.1	12	07376500	S
135	07376602 Ponchatoula Creek east of Natalbany	Lat 30°32'45", long 90°28'35", at bridge 0.7 mi southeast of Natalbany water tower.	1963-67	14.7	1.1	12	.45	14	07376500	S
136	07376800 Beaver Creek near Felixville	Lat 30°57'46", long 90°51'48", at bridge on a parish road, 1.5 mi northeast of Felixville.	1955-63	123	31	5.0	24	6.4	07377000	S
137	07377050 Darling (Darlings) Creek near Darlington	Lat 30°53'00", long 90°48'20", at bridge on State Highway 10, 1.5 mi west of Darlington.	1956-63	54.3	18	4.8	15	5.7	07377000	S
138	07377100 Bluff Creek at Bluff Creek	Lat 30°56'38", long 90°52'38", on a gravel road, at Bluff Creek.	1955-63	26.3	.22	34	.07	44	07373500	S
139	07377180 Spillers Creek near Watson	Lat 30°36'25", long 90°56'05", at bridge 2.4 mi northeast of Watson.	1965-69	7.70	.10	50	0	55	07375000	S
140	07377200 Sandy Creek near Clinton	Lat 30°47'30", long 90°57'30", at bridge on a parish road, 6.2 mi southeast of Clinton.	1956-63	27.3	5.2	7.3	3.6	8.7	07377500	S
141	07377220 Little Sandy Creek near Pride	Lat 30°45'08", long 90°59'12", at bridge 4.0 mi north of Pride.	1963-67	9.50	0	NA	0	NA	07368000	G
142	07377250 Sandy Creek near Greenwell Springs	Lat 30°36'08", long 90°59'37", at Camp Istrouma on State Highway 37, 1.5 mi north of Greenwell Springs.	1955-63	114	6.9	14	3.3	18	07377500	S
143	07377400 Comite River near Clinton	Lat 30°51'30", long 91°02'0", at bridge on State Highway 10, 1.3 mi west of Clinton.	1955-68	88.0	29	6.6	19	8.3	07377500	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
144	07377410 Pretty Creek at Clinton	Lat 30°51'50", long 91°01'36", at bridge on State Highway 10, 0.5 mi west of Clinton.	1963-68	25.7	10	3.7	8.1	2.5	07377500	S
145	07377700 Redwood Creek near Slaughter	Lat 30°43'44", long 91°06'54", at bridge on State Highway 412, 2.0 mi southeast of Slaughter.	1955-63	42.4	5.0	6.7	3.3	8.5	07377500	S
146	07377800 White Bayou near Zachary	Lat 30°38'10", long 91°07'38", at bridge on a parish road, 2.0 mi southeast of Zachary.	1955-67	65.7	.03	35	0	46	07377000 07378500	S
147	07377900 Cypress Bayou at Plank Road, near Baton Rouge	Lat 30°36'45", long 91°10'15", in section 13, T. 5S, R. 1W., St. Helena Meridian, at bridge on parish road 0.5 mi west of La. Highway 19, 2 mi south of Zachary.	1972-78	11.2	.03	50	0	67	07378000	S
148	07378700 Jones Creek near Woodlawn School, near Baton Rouge	Lat 30°24'50", long 91°00'50", at bridge 1.6 mi north of Woodlawn School, 10.5 mi (16.8 km) east of Baton Rouge Post Office.	1957-63	19.5	.27	24	.05	31	07378500	S
149	07380117 Grays Creek at Denham Springs	Lat 30°29'00", long 90°56'20", at bridge 1.0 mi east of Denham Springs.	1965-69	1.80	.10	NA	.02	NA	07375500	G
150	07380130 Colyell Creek at Livingston	Lat 30°30'10", long 90°46'10", at bridge 1.0 mi west of Livingston.	1955-67	20.7	.02	29	0	39	07376500	S
151	07380160 Middle Colyell Creek near Walker	Lat 30°29'45", long 90°50'30", at bridge on U.S. Highway 190, 1.3 mi east of Walker.	1956-63	20.3	.03	42	0	57	07376500	S
152	07380180 West Colyell Creek near Walker	Lat 30°29'05", long 90°53'35", at bridge on U.S. Highway 190, 2.0 mi west of Walker.	1956-65	28.5	.03	39	0	54	07376500	S
153	07382235 Castor Creek at Castor Plunge, near Alexandria	Lat 31°12'25", long 92°35'30", at bridge 8.0 mi southwest of Alexandria.	1959-67	10.4	7.1	9.3	4.1	12	07373000	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
154	07382238 Long Branch at Castor Plunge, near Alexandria	Lat 31°12'20", long 92°35'05", at bridge 8.0 mi southwest of Alexandria.	1959-67	10.7	9.0	6.6	6.0	8.3	07373000	S
155	07382244 Loving Creek at Castor Plunge near Alexandria	Lat 31°12'10", long 92°34'40", at bridge 8.0 mi southwest of Alexandria.	1959-68	5.00	3.8	9.5	2.1	12	07373000	S
156	07382700 Bayou Carron at Washington	Lat 30°36'40", long 92°03'50", at bridge on State Highway 10, 0.5 mi southwest of Washington.	1955-68	82.6	.23	99	0	113	07382500	S
157	07382750 Bayou Wauksha near Lebeau	Lat 30°42'05", long 92°00'49", at bridge on State Highway 10, 3.1 mi southwest of Lebeau.	1963-68	95.0	.06	NA	0	NA	08012000	G
158	08009950 Coulee de Manuel near Ville Platte	Lat 30°38'20", long 92°17'00", at bridge on State Highway 29, 3.5 mi south of Ville Platte.	1956-63	10.9	.04	137	0	198	08010000	S
159	08010200 Bayou Plaquemine Brule at Church Point	Lat 30°24'35", long 92°13'15", at bridge on State Highway 95, at Church Point.	1955-63	48.2	.11	81	0	127	08010000	S
160	08011600 Beaver Creek at Beaver	Lat 30°47'23", long 92°34'05", at bridge 0.5 mi southeast of Beaver.	1955-63	14.4	0	98	0	185	08012000	S
161	08011800 Castor Creek near Oberlin (at Hampton)	Lat 30°37'10", long 92°37'10", at bridge 8.5 mi east of Oberlin.	1955-69	43.9	.04	59	0	101	08012000	S
162	08011900 Bayou Duralde (Durald) near Basile	Lat 30°34'05", long 92°32'25", at bridge 7.0 mi northeast of Basile.	1956-63	28.7	.03	NA	0	NA	08012000	G
163	08011950 Bayou Blue near Kinder	Lat 30°32'15", long 92°45'15", at bridge on a parish road, 6.0 mi northwest of Kinder.	1956-62	65.0	.75	NA	.02	NA	08012000	G

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
164	08012600 Calcasieu River near Slagle	Lat 31°11'25", long 93°06'00", at bridge on State Highway 8, 2.0 mi northeast of Slagle.	1955-63	48.1	0.07	57	0	83	08014200	S
165	08012650 Floctaw Creek near Lacamp	Lat 31°10'55", long 92°59'45", at bridge 5.0 mi northwest of Lacamp.	1954-68	18.7	.31	39	.07	43	8013000	S
166	08012700 Big Creek near Leander	Lat 31°08'30", long 92°49'30", at bridge on State Highway 28, 1.4 mi east of Leander.	1954-63	37.1	1.1	40	.17	46	8013000	S
167	08012780 Comrade Creek near Flatwoods	Lat 31°18'10", long 92°56'15", at bridge 8.1 mi southwest of Flatwoods.	1963-68	57.6	.02	110	0	138	08013000	S
168	08012800 Devils Creek near Flatwoods	Lat 31°19'30", long 92°54'50", at bridge on State Highway 8, 6.0 mi southwest of Flatwoods.	1955-69	37.4	0	33	0	40	08013000	S
169	08012880 Cypress Bayou near Hineston	Lat 31°12'45", long 92°47'35", at bridge 4.9 mi northwest of Hineston.	1963-69	168	.02	112	0	139	08013000	S
170	08012900 Calcasieu River at Hineston	Lat 31°07'35", long 92°46'00", at bridge 1.0 mi south of Hineston.	1953-69	436	9.1	14	4.4	16	08013000	S
171	08013200 Cherrywinche (Cherry Winche, Cherrywinch) Creek near Oakdale	Lat 30°52'35", long 92°41'40", at bridge on a parish road, 5.0 mi north of Oakdale.	1955-63	51.4	2.1	13	1.1	18	08014200	S
172	08013450 Mill Creek near Oberlin	Lat 30°40'50", long 92°48'15", at bridge 4.9 mi northwest of Oberlin.	1963-70	79.7	8.8	21	4.1	23	08013000	S
173	08013600 Whisky (Whiskey) Chitto Creek at Fort Polk	Lat 31°04'55", long 95°08'50", and on a post road of Fort Polk.	1955-68	5.80	.41	38	.05	52	08015000	S
174	08013650 Birds Creek near Cravens	Lat 31°01'15", long 93°03'15", at bridge on a parish road, 4.0 mi north of Cravens.	1956-63	22.0	2.1	27	0.53	37	08014200	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
175	08013700 Drakes Creek near Pitkin	30°57'45", long 93°08'15", at bridge 12.5 mi west of Pitkin.	1954-68	22.1	1.6	21	0.68	25	08028000	S
176	08013720 Whisky Chitto Creek near Sugartown	Lat 30°51'50", long 93°04'25", at bridge on State Highway 112, 3.9 mi northwest of Sugartown.	1963-68	128	17	21	8.8	25	08014800	S
177	08013750 Sugar Creek at Sugartown	Lat 30°50'55", long 93°00'35", at bridge 0.7 mi northeast of Sugartown.	1963-68	12.7	.09	76	0	125	08015000	S
178	08013900 Sixmile Creek at Pitkin	Lat 30°55'25", 92°56'40", at bridge on State Highway 113, 1.0 mi south of Pitkin.	1955-63	88.6	20	43	13	37	08014200	S
179	08013950 Big Brushy Creek near Pitkin	Lat 30°54'55", long 92°53'30", at bridge on State Highway 10, 3.0 mi southeast of Pitkin.	1956-63	34.4	13	14	7.6	17	08014000	S
180	08014550 Clear Creek near Rosepine	Lat 30°54'45", long 93°15'15", at bridge 1.7 mi southeast of Rosepine.	1963-68	14.9	3.7	19	2.1	22	08014800	S
181	08014600 Flat Creek near De Ridder	Lat 30°51'05", long 93°14'45", at bridge on State Highway 112, 2.4 mi east of De Ridder.	1955-63	26.3	1.7	20	.57	27	08014200	S
182	08014885 West Caney Branch near Dry Creek	Lat 30°44'10", long 93°03'55", at bridge on State Highway 1147, 4.7 mi north of Dry Creek.	1963-68	4.45	0	27	0	31	08015000 08014500	S
183	08014890 East Caney Branch near Dry Creek	Lat 30°43'05", long 93°02'55", at bridge on State Highway 1147, 3.3 mi north of Dry Creek.	1963-68	4.85	0	26	0	30	08015000 08014500	S
184	08015200 Dry Creek at Dry Creek	Lat 30°39'25", long 93°02'45", at bridge on State Highway 113, 1.0 mi south of Dry Creek.	1955-63	42.7	.18	38	.02	59	08015000	S
185	08015600 Barnes Creek near Reeves	Lat 30°31'00", long 93°08'28", at main channel bridge on U.S. Highway 190, 5.5 mi west of Reeves.	1957-69	111	.71	34	.12	50	08016400	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
186	08015700 Clear Creek at Reeves	Lat 30°31'10", long 93°03'10", at bridge on U.S. Highway 190, at Reeves.	1955-63	23.1	1.1	11	0.54	17	08015000	S
187	08015800 Bayou Serpent near Fenton	Lat 30°23'15", long 92°54'20", at bridge on U.S. Highway 165, 1.7 mi north of Fenton.	1959-68	89.0	2.3	73	.28	109	08012000	S
188	08016200 Cowpen Creek near De Ridder	Lat 30°44'41", long 93°20'53", at bridge on State Highway 27, 8.2 mi south of De Ridder.	1957-63	28.3	0	72	0	104	08028700	S
189	08016300 Beckwith Creek near Singer	Lat 30°38'34", long 93°22'58", at bridge on State Highway 110, 2.0 mi southeast of Singer.	1955-63	76.0	1.1	20	.37	26	08028700 08016400	S
190	08016500 Hickory Branch near Longville	Lat 30°36'23", long 93°15'49", at bridge on State Highway 110, 2.1 mi west of Longville.	1956-63	34.9	.04	53	0	78	08016400	S
191	08016700 Bear Head (Bearhead) Creek near Singer	Lat 30°35'35", long 93°28'48", at bridge on State Highway 109, 6.0 mi southwest of Singer.	1955-63	45.6	.03	57	0	79	08028700	S
192	08016990 Cowards Gully near De Quincy	Lat 30°25'10", long 93°29'17", at bridge on State Highway 12, 4.1 mi southwest of De Quincy.	1955-69	15.3	0	40	0	55	08016400	S
193	08017000 Buxton Creek near De Quincy	Lat 30°21'25", long 93°27'10", at bridge on a parish road, 6.0 mi south of De Quincy.	1956-68	50.5	.61	59	.04	73	08016400	S
194	08022600 Bayou Castor near Longstreet	Lat 32°05'35", long 93°55'15", at bridge on State Highway 169, 1.8 mi east of Longstreet.	1954-63	27.7	.05	42	0	55	07352000	S
195	08022700 Bushneck Bayou at Longstreet	Lat 32°06'05", long 93°58'05", at bridge on State Highway 169, 0.5 mi west of Longstreet.	1955-63	26.9	.28	51	.03	64	08023000	S
196	08023100 Bayou Grand Cane near Logansport	Lat 31°57'15", long 93°57'45", at bridge on State Highway 763, 2.5 mi southeast of Logansport.	1955-63	76.5	2.2	58	.18	72	08023000	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
197	08023150 Clement Creek near Hunter	Lat 31°55'00", long 93°53'10", at bridge on State Highway 763, 2.5 mi northwest of Hunter.	1956-63	44.6	1.8	46	0.23	57	08023000	S
198	08023250 Cow Bayou near Hunter	Lat 31°52'05", long 93°49'10", at bridge on State Highway 174, 2.6 mi southeast of Hunter.	1956-63	29.2	.34	91	.01	139	08023000	S
199	08023270 Bull Bayou near Hunter	Lat 31°53'10", long 93°52'30", at bridge 1.1 mi southeast of Hunter.	1963-70	8.54	.32	64	.03	80	08023000	S
200	08023700 Little Bayou San Miguel near Mitchell	Lat 31°46'00", long 93°35'10", at bridge on a parish road, 3.0 mi southeast of Mitchell.	1956-63	33.4	0	131	0	182	08023500	S
201	08024030 Bayou Scie at Zwolle	Lat 31°37'45", long 93°37'40", at bridge on U.S. Highway 171, 1.0 mi east of Zwolle.	1954-63	45.9	.09	75	0	112	08025500	S
202	08024040 Bayou San Miguel southwest of Zwolle	Lat 31°32'35", long 93°43'10", at bridge 7.5 mi southwest of Zwolle.	1963-67	200	.19	81	0	117	07351700	S
203	08024080 Lewis Creek near Many	Lat 31°35'25", long 93°31'40", at bridge on U.S. Highway 171, 3.0 mi northwest of Many.	1954-63	12.5	0.02	38	0	49	07354000	S
204	08025180 Brushy Creek at Negreet	Lat 31°27'40", long 93°34'35", at bridge on State Highway 476, 0.4 mi south of Negreet.	1963-68	9.19	.66	21	.20	26	08025500	S
205	08025200 Bayou Negreet near Negreet	Lat 31°25'05", long 93°37'50", at bridge on a parish road, 5.0 mi southwest of Negreet.	1955-63	52.1	.93	20	.17	26	08025500	S
206	08025220 Caney Creek at Esto	Lat 31°22'48", long 93°36'55", at bridge 0.9 mi southwest of Esto.	1963-67	5.08	.32	25	.09	30	08025500	S
207	08025370 Lewing Creek near Florian	Lat 31°28'00", long 93°25'25", at bridge 2.5 mi northeast of Florian.	1963-68	12.3	.69	20	.19	25	08025500	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
208	08025390 Mill Creek near Florien	Lat 31°25'35", long 93°23'10", at bridge 4.4 mi southeast of Florien.	1963-68	15.0	1.7	20	0.75	25	07354000	S
209	08025600 Bayou Toro south of Toro	Lat 31°14'45", long 93°32'40", at bridge on a dirt road, 2.5 mi south of Toro.	1955-63	187	6.5	16	1.6	22	08025500	S
210	08025606 Bayou Toro near Toledo Bend, near Toro	Lat 31°12'12", long 93°32'39", at bridge on Toledo Bend Dam road, 5.3 mi south of Toro.	1966-70	193	7.8	17	1.9	23	08025500	S
211	08025700 Sandy Creek near Burr Ferry	Lat 31°08'30", long 93°31'10", at bridge on State Highway 111, 5.3 mi north of Burr Ferry.	1960-67	33.7	7.7	8.3	4.0	11	08025500	S
212	08025800 Yellow Branch near Burr Ferry	Lat 31°06'05", long 93°29'45", at bridge 2.4 mi north of Burr Ferry.	1963-70	2.08	.69	16	.27	21	08025500	S
213	08025900 Pearl Creek at Burr Ferry	Lat 31°04'05", long 93°30'15", at bridge 0.5 mi west of Burr Ferry.	1960-67	18.0	4.4	15	1.7	19	08025500	S
214	08026200 Red Bank Creek at Evans	Lat 30°59'30", long 93°29'55", at bridge 0.4 mi northeast of Evans.	1960-68	17.2	.99	22	.39	27	08028000	S
215	08026300 Mill Creek near Evans	Lat 30°56'40", long 93°30'25", at bridge 3.1 mi south of Evans.	1963-70	6.30	1.7	9.3	1.1	11	08028000	S
216	08026700 West Anacoco Creek near Hornbeck	Lat 31°18'00", long 93°22'10", at bridge 2.5 mi southeast of Hornbeck.	1963-68	26.9	.09	43	.02	56	07354000	S
217	08027200 East Anacoco Creek near Anacoco	Lat 31°13'30", long 93°19'50", at bridge on U.S. Highway 171, 2.0 mi southeast of Anacoco.	1954-63	40.6	9.2	17	4.1	22	08027500	S
218	08027550 Prairie Creek near Leesville	Lat 31°10'40", long 93°16'30", at bridge 2.5 mi northwest of Leesville.	1954-68	40.0	1.9	21	.81	26	07354000	S

Table 4. Low-flow characteristics for partial-record stations in Louisiana—Continued

Map number (see fig. 8)	Station number and name	Station location	Period of measurements	Drainage area (mi ²)	7Q ₂ (ft ³ /s)	Error SE-2 (percent)	7Q ₁₀ (ft ³ /s)	Error SE-10 (percent)	Index station number(s)	Method ¹
219	08027730 Bayou Castor near Pickering	Lat 31°01'55", long 93°20'10", at bridge 4.0 mi west of Pickering.	1963-69	77.1	0.22	103	0	117	08028000	S
220	08027740 Bayou Zourie at Pickering	Lat 31°02'10", long 93°17'05", at bridge 0.9 mi west of Pickering.	1963-68	23.0	.71	13	.38	16	08028000	S
221	08028200 Bayou Anacoco near Knight	Lat 30°52'15", long 93°30'25", at bridge on State Highway 111, 4.5 mi southwest of Knight.	1955-63	425	41	7.0	26	9.0	08028000	S
222	08028300 Trout Creek near Merryville	Lat 30°47'55", long 93°32'00", at bridge on U.S. Highway 190, 3.5 mi north of Merryville.	1960-69	16.9	.67	21	.19	30	08015000	S
223	08028350 Bridge Creek near Merryville	Lat 30°47'10", long 93°32'15", at bridge 2.3 mi north of Merryville.	1963-68	13.8	.30	28	.08	36	08028700	S
224	08028750 Hoosier Creek tributary at Merryville	Lat 30°45'25", long 93°32'20", at bridge on U.S. Highway 190, at Merryville.	1963-68	7.66	2.1	9.4	1.4	11	08028000	S
225	08028800 Cypress Creek near Bivens	Lat 30°40'00", long 93°35'10", at bridge on State Highway 389, 2.5 mi north of Bivens.	1955-63	15.4	.12	43	0	65	08015000	S
226	08029700 Brushy Creek at Bancroft	Lat 30°33'35", long 23°40'49", at bridge on State Highway 389, 0.8 mi south of Bancroft.	1956-67	25.9	.02	69	0	90	08028700 08016800	S
227	08030400 Bess Branch near Starks	Lat 30°22'55", long 93°41'55", at bridge 5.0 mi northwest of Starks.	1963-70	8.77	.02	90	0	139	08016800	S

¹ The methods are from Stedinger and Thomas (1985) and Riggs (1968, 1972). See text.