

Prepared in cooperation with the Alabama Department of Transportation

Magnitude and Frequency of Floods in Alabama, 2015



Scientific Investigations Report 2020–5032

Magnitude and Frequency of Floods in Alabama, 2015

By Brandon T. Anderson

Prepared in cooperation with the Alabama Department of Transportation

Scientific Investigations Report 2020–5032

**U.S. Department of the Interior
U.S. Geological Survey**

U.S. Department of the Interior
DAVID BERNHARDT, Secretary

U.S. Geological Survey
James F. Reilly II, Director

U.S. Geological Survey, Reston, Virginia: 2020

For more information on the USGS—the Federal source for science about the Earth, its natural and living resources, natural hazards, and the environment—visit <https://www.usgs.gov> or call 1–888–ASK–USGS.

For an overview of USGS information products, including maps, imagery, and publications, visit <https://store.usgs.gov>.

Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

Although this information product, for the most part, is in the public domain, it also may contain copyrighted materials as noted in the text. Permission to reproduce copyrighted items must be secured from the copyright owner.

Suggested citation:

Anderson, B.T., 2020, Magnitude and frequency of floods in Alabama, 2015: U.S. Geological Survey Scientific Investigations Report 2020–5032, 148 p., <https://doi.org/10.3133/sir20205032>.

Associated data for this publication:

Anderson, B.T., 2020, Flood regions and annual exceedance probability flows for Alabama streams, data through 2015: U.S. Geological Survey data release, <https://doi.org/10.5066/P9TYSZLL>.

ISSN 2328-031X (print)

ISSN 2328-0328 (online)

ISBN 978-1-4113-4370-2

Acknowledgments

The following U.S. Geological Survey personnel are acknowledged for their assistance in developing the computations for this project and helping to complete the report. T. Scott Hedgecock, hydrologist in the U.S. Geological Survey Lower Mississippi-Gulf Water Science Center (USGS LMGWSC) Montgomery, Alabama, office, provided mentorship during the project. Toby Feaster, hydrologist in the U.S. Geological Survey South Atlantic Water Science Center (USGS SAWSC) Columbia, South Carolina, office, provided analysis and writeup for large river sites.

Contents

Acknowledgments	iii
Abstract	1
Introduction	1
Purpose and Scope	1
Description of the Study Area	1
Previous Investigations	2
Data Compilation	2
Peak-Flow Data and Basin Characteristics	2
Flood-Frequency Analysis	4
Analysis of Flow at Streamgages	4
Regional Regression Analysis	5
Application and Limits of Methods	5
Small Stream Analysis	7
Large River Analysis	7
Alabama River	7
Coosa River	7
Tallapoosa River	10
Tennessee River	10
Tombigbee River	11
Black Warrior River	11
Conecuh River	11
Flood-Frequency Estimates at Streamgages in Alabama	12
Flood-Frequency Estimates at Ungaged Locations on Gaged Streams	12
Flood-Frequency Estimates at Locations on Ungaged Streams	13
Accuracy and Limitations of Regional Regression Equations	13
Summary and Conclusions	14
References Cited	14
Appendix 1	17
Appendix 2	37

Plate

[Plate in pocket and available at <https://doi.org/10.3133/sir20205032>]

1. Locations of flood regions and streamgages in Alabama.

Figures

1. Map showing locations of streamgages used in regional regression analysis and selected large-river streamgages in Alabama
2. Map showing locations of flood regions in Alabama
3. Map showing locations of flood regions and small streamgages in Alabama

Tables

1. Regional flood-frequency relations for urban streams in Alabama	2
2. <i>T</i> -year recurrence intervals with corresponding annual exceedance probability and <i>P</i> -percent chance exceedance for flood-frequency flow estimates	4
3. Final regional regression equations for estimating annual exceedance probability flows and generalized least squares model diagnostics for unregulated streams in Alabama	9
4. Small stream regional regression equations for estimating annual exceedance probability flows and generalized least squares model diagnostics for unregulated small streams in Alabama	10
5. Ranges of explanatory variable data used to develop regional regression equations	13

Conversion Factors

U.S. customary units to International System of Units

Multiply	By	To obtain
Length		
inch (in.)	2.54	centimeter (cm)
inch (in.)	25.4	millimeter (mm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
Area		
square mile (mi^2)	259.0	hectare (ha)
square mile (mi^2)	2.590	square kilometer (km^2)
Flow rate		
cubic foot per second (ft^3/s)	0.02832	cubic meter per second (m^3/s)
Hydraulic gradient		
foot per mile (ft/mi)	0.1894	meter per kilometer (m/km)

Temperature in degrees Fahrenheit ($^{\circ}\text{F}$) may be converted to degrees Celsius ($^{\circ}\text{C}$) as follows:

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

Datum

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

Vertical coordinate information is referenced to the National Geodetic Vertical Datum of 1929 (NGVD 29).

Elevation, as used in this report, refers to distance above the vertical datum.

Abbreviations

AEP	annual exceedance probability
AVP	average variance of prediction
EMA	Expected Moments Algorithm
GIS	geographic information system
GLS	generalized least squares
LP3	log-Pearson type III
MGB	multiple Grubbs-Beck test
MSE	mean square error
MSE _p	mean square error of prediction
NWIS	National Water Information System
OLS	ordinary least squares
PILFs	potentially influential low floods
RRE	regional regression equation
SEP	standard error of prediction
USGS	U.S. Geological Survey
WREG	weighted-multiple-linear regression program

Magnitude and Frequency of Floods in Alabama, 2015

By Brandon T. Anderson

Abstract

To improve flood-frequency estimates at rural streams in Alabama, annual exceedance probability flows at gaged locations and regional regression equations used to estimate annual exceedance probability flows at ungaged locations were developed by using current geospatial data, new analytical methods, and annual peak-flow data through September 2015 at 242 streamgages in Alabama and surrounding States. The regional regression equations were derived from statistical analyses of annual peak-flow data and basin characteristics for a subset of 217 streamgages. Four flood regions were identified based on residuals from the regional regression analyses and contain sites with similar basin characteristics. A separate set of equations was derived for estimating flood frequency and magnitude for small rural streams using a subset of 40 small basin streamgages. A large river analysis was also completed for 14 selected large-river streamgages in Alabama. Annual exceedance probability flows presented in this report reflect additional streamflow data collected since the previous study of flood magnitude and frequency in Alabama, which included streamflow through September 2003.

Introduction

Improved flood-frequency information is important for the effective management of flood plains, including the safe and economic design of bridges, culverts, dams, levees, and other structures near streams. The last flood-frequency study for Alabama was published more than 11 years ago (Hedgecock and Feaster, 2007). Since that time, improvements in statistical techniques, specifically the Expected Moments Algorithm (EMA) and the multiple Grubbs-Beck (MGB) test for potentially influential low floods, have increased the accuracy of flood-frequency estimates (Cohn and others, 1997, 2013). The EMA allows for the incorporation of censored observations, historic flood data, low outliers, and uncertain data points in the flood-frequency analysis, while the MGB test increases the accuracy of peak-flow statistics by objectively and systematically detecting and removing low, highly variable peak flows and is recommended for use with the EMA.

In 2016, the U.S. Geological Survey (USGS), in cooperation with the Alabama Department of Transportation, began a study to update the regional flood-frequency equations (regional regression equations [RREs]) and annual exceedance probability (AEP) flows for rural streams in Alabama by using recent geospatial data, new analytical methods, and additional annual peak-flow data through the 2015 water year.¹ Results of flood frequency studies, including AEP flows and RRE information, are published and also incorporated into the USGS StreamStats application, an online tool that provides flood-response planners and water managers in Alabama with basin characteristics and estimates of flow statistics at locations on both gaged and ungaged streams (<http://water.usgs.gov/osw/streamstats/>; USGS, 2017a).

Purpose and Scope

The purpose of this report is to describe the methods and results of a study to (1) update flood regions for all areas in Alabama; (2) update the AEP flows for rural streams at gaged locations; (3) update RREs for use at rural ungaged locations in Alabama; and (4) update the AEP flows for streamgages on large, regulated streams. All data used in support of the analysis and presented in this report, including geographic information system (GIS) data for the four flood regions in Alabama, are available from Anderson (2020). Urban stream flood frequency equations were not updated as part of this study and the results from Hedgecock and Lee (2010) are provided in table 1 for convenience. This report updates the flood-frequency analysis published by Hedgecock and Feaster (2007).

Description of the Study Area

The study area (fig. 1) includes the State of Alabama and selected locations in Georgia, Mississippi, Tennessee, and Florida. Rainfall in Alabama generally is associated with the movement of warm and cold fronts across the State from November through April and isolated thunderstorms from May through October. From June to September, tropical storms or

¹The water year is the annual period from October 1 through September 30 and is designated by the year in which the period ends. For example, the 2013 water year is from October 1, 2012, through September 30, 2013.

2 Magnitude and Frequency of Floods in Alabama, 2015

Table 1. Regional flood-frequency relations for urban streams in Alabama (Hedgecock and Lee, 2010).

[Q , flood flow, in cubic feet per second; A , contributing drainage area, in square miles; PD , percentage of basin developed]

Exceedance probability (percent)	Urban regression equations
50	$Q = 95 A^{0.648} PD^{0.407}$
20	$Q = 226 A^{0.670} PD^{0.298}$
10	$Q = 306 A^{0.675} PD^{0.276}$
4	$Q = 417 A^{0.670} PD^{0.253}$
2	$Q = 513 A^{0.663} PD^{0.237}$
1	$Q = 618 A^{0.656} PD^{0.223}$
0.5	$Q = 733 A^{0.650} PD^{0.210}$
0.2	$Q = 897 A^{0.642} PD^{0.196}$

hurricanes occasionally enter the State along the Gulf Coast and produce unusually large amounts of rainfall. The average annual precipitation for Alabama is 53.05 inches (U.S. Climate Data, 2018). The average annual high and low temperatures are 76.5 and 53.5 degrees Fahrenheit, respectively (U.S. Climate Data, 2018).

Previous Investigations

Magnitude and frequency of floods in Alabama have been described by Pierce (1954), Speer and Gamble (1964), Gamble (1965), Barnes and Golden (1966), Hains (1973), Olin (1984), Atkins (1996), and Hedgecock and Feaster (2007). Magnitude and frequency of floods for rural streams with small drainage areas have been described by Olin and Bingham (1977) and Hedgecock (2004), and for urban streams by Olin and Bingham (1982) and Hedgecock and Lee (2010).

Data Compilation

USGS streamgages in Alabama, Georgia, Mississippi, Florida, and Tennessee that had 15 or more years of annual peak-flow data were used in this analysis. A 50-mile (mi) buffer was used from the Alabama State boundary for rural streams, and a 90-mi buffer was used for small rural streams. The gages used in this study were either continuous-record or crest-stage gages. Continuous-record gages are equipped with instrumentation to record the height of the water surface above the gage datum, or stage, of the water body at fixed

time intervals. The stage data are transmitted by satellite to USGS offices and are applied to a stage-streamflow rating to determine flow for the given stage value. Crest-stage gages record only the peak stage of a flood; the peak stage is then applied to a stage-streamflow rating to determine the associated flow. Hereinafter, these two types of gages collectively are referred to as streamgages. A rainfall event of high magnitude occurred in the latter part of December 2015 for many gaged locations in Alabama. This was the peak of the 2016 water year and was included in the analysis for those locations.

Peak-Flow Data and Basin Characteristics

The RRE analysis was conducted using data from 217 streamgages (152 in Alabama and 65 from adjacent States) that had 15 or more years of annual peak-flow data collected through the end of the 2015 water year (Anderson, 2020). Annual peak-flow data for the streamgages were downloaded from the USGS National Water Information System (NWIS) database (U.S. Geological Survey, 2017b). The drainage areas of the 217 streamgages range from 0.13 to 1,766 square miles (mi^2). In addition, there were 14 large river streamgages, included in a separate analysis, whose drainage areas range from 1,675 to 30,810 mi^2 .

Basin characteristics for each streamgage included in this study were obtained by using the USGS map-based web application StreamStats (U.S. Geological Survey, 2017a). The following basin characteristics were tested for significance in the generalized least-squares (GLS) regression analysis:

- Contributing drainage area (A), in square miles, upstream from the streamgage;
- Main channel slope (S), in feet per mile, between points 10 and 85 percent of the distance from the streamgage to the basin divide;
- Main channel length (L), in miles, between the streamgage and the basin divide;
- Lag-time factor (T), defined by the ratio $L/S^{0.5}$ with L and S defined above;
- Forest cover (F), in percent, percentage of the total contributing drainage area covered by forests;
- Storage (St), in percent, percentage of the total contributing drainage area covered by lakes, ponds, and swamps; and
- Width-to-length ratio (W/L), the average basin width to basin length. The average basin width (W) is the drainage area (A) divided by the main channel length (L). This ratio is essentially a basin shape factor.

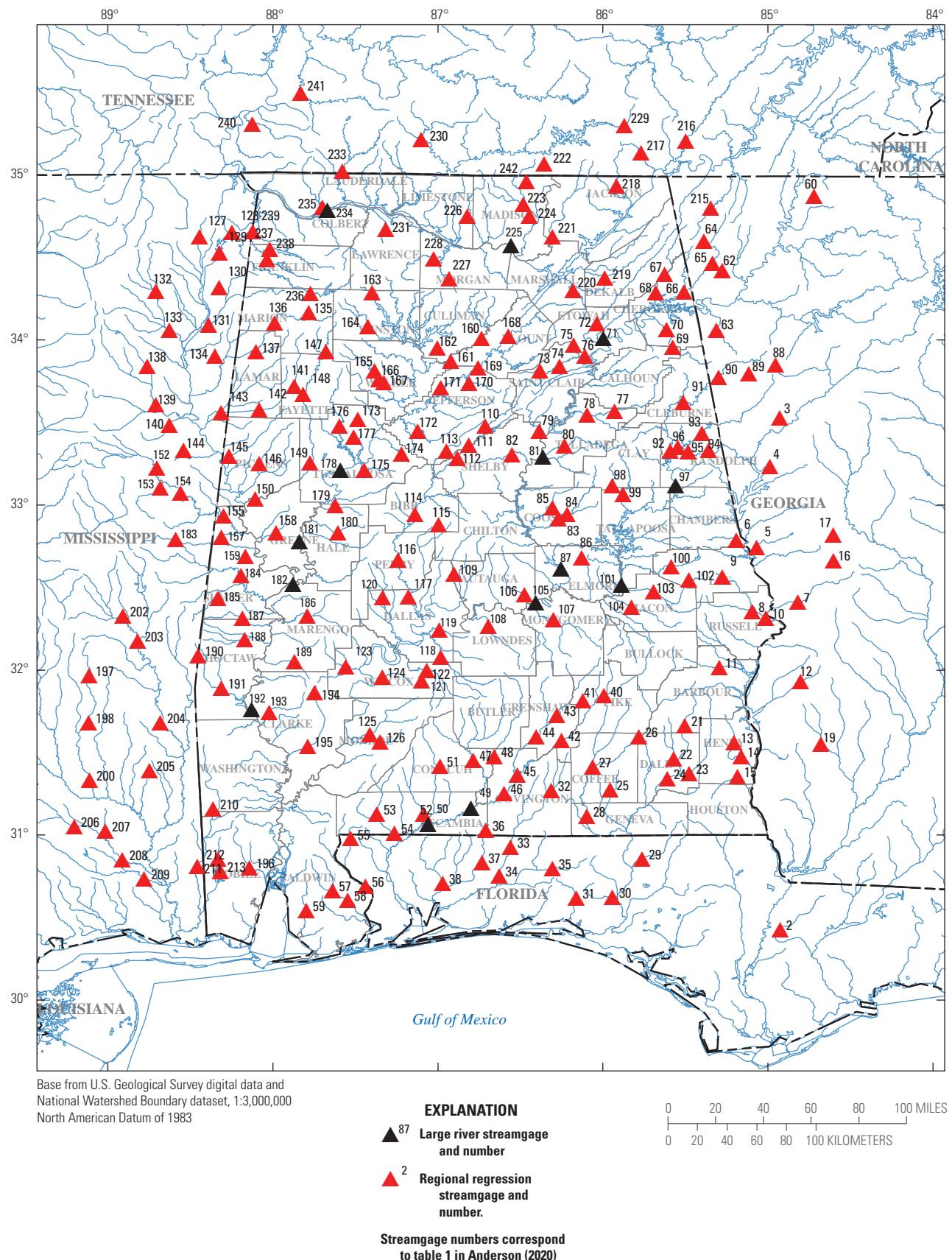


Figure 1. Locations of streamgages used in regional regression analysis and selected large-river streamgages in Alabama.

4 Magnitude and Frequency of Floods in Alabama, 2015

Percentage of developed (urban) land and average percentage of impervious area taken from the 2011 National Land Cover Database and available in StreamStats, were computed for each basin because soil types (Hedgecock and Feaster, 2007) and land use can influence runoff. Initial GLS regression analyses were performed for all the streamgages included in the study, incorporating multiple combinations of the above-mentioned explanatory variables. These regressions were used in the development of statewide equations for estimating AEPs. Statewide regression equations that included drainage area as the only explanatory variable had standard errors of prediction that were within 1 percent of the standard errors, produced from equations that included main channel slope, forest cover, and storage. Therefore, equations that included drainage area as the only explanatory variable were used for regionalization purposes.

Flood-Frequency Analysis

Annual peak flood flow data for the streamgages in this study were analyzed to produce AEP flows for each streamgage. Results are available from Anderson (2020) and can be found in Appendix 1. A regional analysis was conducted based on the residuals of the streamgages in order to group basins with similar hydrologic characteristics. As a result, four flood regions were determined from the regional analysis, and regional flood frequency equations for ungaged streams were developed from the annual peak flow data at streamgages that fell within these regions. Separate studies were also conducted to derive equations for small stream basins and update the previously published large river basins analysis.

Analysis of Flow at Streamgages

For each streamgage, a log-Pearson type III (LP3) mathematical probability distribution was fit to annual peak flow data and then used to estimate streamflow values for the range of recurrence-intervals at each streamgage as described in Bulletin 17C (England and others, 2019). The LP3 distribution is a three-parameter distribution that requires estimates of the mean, standard deviation, and skew coefficient of the population of base 10 logarithms of annual peak flows at each streamgage (Parrett and others, 2011). The EMA method improves upon the standard LP3 method by allowing for the analysis of historic peak datasets containing censored observations, historic data, low outliers, and uncertain data points and accommodates the interval data by using perception thresholds and flow intervals (Cohn and others, 1997). In the EMA analysis the perception thresholds are used to describe the flood knowledge in each year within the flood record and represents the observable range in floods (England and others, 2019). If no historic, censored, or interval data are incorporated, the EMA method produces estimates of the

three LP3 statistics that are identical to those produced by the standard LP3 method described in Bulletin 17B (Interagency Advisory Committee on Water Data, 1982). Bulletin 17C did not publish regional skew values therefore general-skew and corresponding mean square error (MSE) values from Bulletin 17B were used to weight the AEP flow values.

The basic equation for fitting the LP3 distribution to a measured series of annual peak flows is

$$\log Q_p = \bar{X} + K_p S, \quad (1)$$

where

- Q_p is the P -percent AEP flow, in cubic feet per second;
 \bar{X} is the mean of the logarithms of the annual peak flows;
 K_p is a factor based on the skew coefficient and the given percentage of annual exceedance probability, which can be obtained from appendix 3 of Bulletin 17B (Interagency Advisory Committee on Water Data, 1982); and
 S is the standard deviation of the logarithms of the annual peak flows.

In previous USGS reports about floods in Alabama, the term “recurrence interval, in years” was used to characterize flood frequency (50-year flood and so forth). The USGS and other Federal agencies now refer to the P -percent chance of occurrence as an AEP. For example, the 0.02 AEP ($Q_{2\%}$) has a 2-percent chance of occurring in any given year and corresponds to a recurrence interval of 50 years (reciprocal of the AEP, table 2) (Griffis and Stedinger, 2007). An increase in the number of years of annual peak-flow record at a streamgage increases the level of confidence in AEP flow estimates. For example, 30 years of annual peak-flow record likely will have a lower variance than 10 years of record, thus increasing the confidence of the estimated AEP flows.

Table 2. T -year recurrence intervals with corresponding annual exceedance probability and P -percent chance exceedance for flood-frequency flow estimates.

Corresponding recurrence interval	Annual exceedance probability	P -percent annual exceedance probability
2	0.5	50
5	0.2	20
10	0.1	10
25	0.04	4
50	0.02	2
100	0.01	1
200	0.005	0.5
500	0.002	0.2

The MGB test, a generalization of the Grubbs-Beck method, provides a standard procedure for identifying low-flow outliers and multiple potentially influential low floods (PILFs) (Cohn and others, 2013). PILFs are annual peaks that meet three criteria: (1) their magnitude is much smaller than the flood quantile of interest; (2) they occur below a statistically significant break in the flood-frequency plot; and (3) they can have excessive influence on the estimated frequency of large floods. The USGS PeakFQ software, version 7.1, available at <https://water.usgs.gov/software/PeakFQ/> (U.S. Geological Survey, 2014), was used to conduct the flood-frequency analyses following the EMA methodology, including the MGB test. The estimates of the AEP flows at gaged sites were computed by using the EMA and MGB to test for PILFs. These PILFs were excluded from the AEP flow computations at the streamgage. The final AEP flows at streamgages should be determined by weighting the station skew coefficient with the generalized skew coefficient from Bulletin 17B (Interagency Advisory Committee on Water Data, 1982).

Regional Regression Analysis

Initially, 242 streamgages were considered for inclusion in the regional regression analysis. Streamgage information and additional data related to the regional regression analysis are provided in Anderson (2020). Annual peak-flow records of the streamgages were evaluated for backwater, regulation, diversion, channelization, and urbanization by inspecting NWIS peak-flow data qualification codes, and sites having any of these attributes were removed. Annual peak-flow data for the sites are available from the NWIS database (U.S. Geological Survey, 2017b) and can also be found in Appendix 2. Streamgages in basins that have more than 10 percent impervious area were also removed, leaving 217 streamgages suitable for use in the regional regression analysis (fig. 1).

To determine the flood regions, a statewide ordinary least squares (OLS) regression equation was developed by using drainage area as the only explanatory variable for the 1-percent AEP ($Q_{1\%}$). The residuals for each streamgage, which represent the difference between observed values and the predicted values of streamflow, were evaluated to detect any geographic biases or clusters. Four flood regions were delineated in Alabama (fig. 2), based upon review of residual plots, previous reports, eight-digit hydrologic unit code maps, geologic maps, and physiographic maps. The four flood regions in this report differ slightly from the previous report by Hedgecock and Feaster (2007). These differences include

a streamgage originally located in region 1 (USGS station no. 02445245, plate 1; Hedgecock and Feaster, 2007) that is now located in region 2. One streamgage originally located in region 4 (USGS station no. 02419000, plate 1; Hedgecock and Feaster, 2007) is now located in region 3.

AEP estimates obtained from flood-frequency analysis of the 217 streamgages were related to basin characteristics by using OLS multiple linear regression analysis to evaluate the statistical significance of each basin characteristic (Wagner and others, 2016). The USGS weighted-multiple-linear regression program (WREG) version 1.05 (<https://water.usgs.gov/software/WREG/>) was then used to complete the final GLS regression analysis (Eng and others, 2009; U.S. Geological Survey, 2013). In GLS regression, streamgages are weighted according to differences in streamflow record length, the variance of streamflow measurements in the record, and spatial cross correlations of concurrent flows among streamgages.

Regression diagnostics were reviewed to identify streamgages that have high leverage and (or) high influence metrics. The leverage metric was used to compare the values of independent variables at one streamgage to the values of the same variables at all other streamgages. The influence metric was used to determine if a streamgage had a high influence on the estimated regression values (Eng and others, 2009). A streamgage may have a high leverage metric, indicating that its independent variables are significantly different from those at all other streamgages, but the same streamgage may not have a high influence on the regression metrics. A streamgage with a high influence may not have a high leverage metric. Sometimes high leverage or influence metrics are indicative of incorrect values for a given independent variable. These data were reviewed resulting in one site being removed from the dataset, leaving a total of 217 streamgages used in the analysis. Standard errors of prediction of the generalized least-squares models ranged from 9 to 58 percent. Pseudo coefficients of determination of the models ranged from 75 to 100 percent.

Application and Limits of Methods

When applying the RREs, users are advised not to interpret the empirical results as exact. Regression equations are statistical models that must be interpreted and applied within the limits of the data and with the understanding that the results are best-fit estimates with an associated variance. Methods for estimating AEP flows in Alabama differ between gaged locations, ungaged locations on gaged streams, and locations on ungaged streams.

6 Magnitude and Frequency of Floods in Alabama, 2015

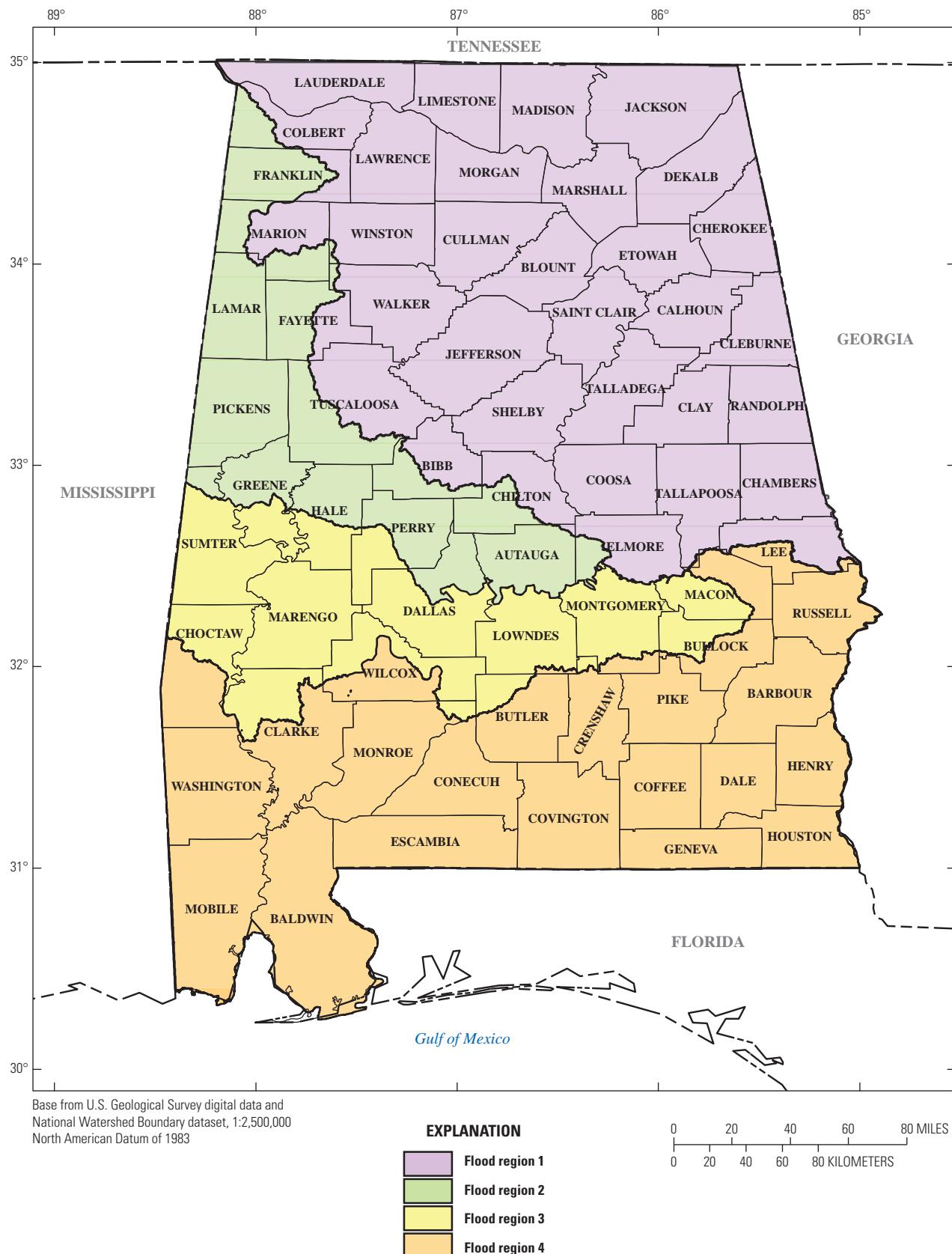


Figure 2. Locations of flood regions in Alabama.

Small Stream Analysis

Data from 40 streamgages were used to conduct a separate GLS regression analysis on the rural small streams in Alabama with drainage areas ranging from 0.13 to 14 mi². The distance outside of the Alabama State line for streamgage consideration was increased from 50 mi used in the streamgage selection for the regional equations to 90 mi. This change in distance was needed to increase the number of streamgages in the analysis (fig. 3). If a rural ungaged small stream is within 0.13 to 14 mi², AEPs could be computed with either regional or small stream equations (tables 3 and 4, respectively). It is recommended that if the drainage area at the ungaged location is within the range of 0.13 to 5 mi², then the small stream equations should be used because the AEP accuracy is improved.

Large River Analysis

Flood-frequency analysis for streamgages along the main stems of the Alabama, Coosa, Conecuh, Tallapoosa, Tennessee, Tombigbee, and Black Warrior Rivers were not included in the regional flood-frequency analysis because the drainage areas of these rivers are substantially larger than those of the streamgages used in the regional analyses and, in some cases, encompass more than one flood region. In addition, most of these large rivers are subject to varying degrees of regulation. Where the data analysis indicated it was appropriate, analysis of flood magnitudes to drainage area were determined for selected AEPs. The flood-frequency analyses are summarized in the following sections for each river listed and AEP flows are available from Anderson (2020) and in Appendix 1. The estimated AEP flows were based on LP3 analysis of peak-flow data at the gaged sites on the streams, as described in Bulletin 17C (England and others, 2019). Graphical inspection of the data from each analysis indicated that an LP3 distribution yielded a reasonable fit of the frequency curves for the selected streamgages. Because most of these large rivers have some degree of regulation, trend analyses were performed on the annual peak flows for the selected streamgages to determine if regulated flow patterns have changed with time. Trends in regulation were assessed by using the Mann-Kendall test and cumulative plots of daily mean flows (single mass curves, Helsel and Hirsch, 1995). The single mass curve is a basic analytical tool showing a plot of cumulative values against time. The slope of the mass curve represents the constant of proportionality between the two quantities (Searcy and Hardison, 1960). A change in the slope of the curve indicates a change in the

proportionality constant. In the case of regulated streams, the single mass curve can be used to assess whether patterns of regulation have remained relatively consistent over time. For the large rivers, a flood-frequency analysis was performed if the annual peak-flow record at a streamgage showed no trend in either the entire dataset or a part of the dataset. AEP estimates at multiple gages on a stream will vary as a result of several factors, including length of the annual peak-flow records, concurrent periods of record, intervening tributaries, and areal coverage of storm systems causing the floods. For example, if a storm system affected only the lower half of a large drainage basin, streamgages in the upper half of the basin would not record runoff from the storm. The flood of record at a streamgage in the lower half of the basin may not necessarily be the flood of record at a streamgage in the upper half of the basin. As a result of these factors, interpolation of AEP estimates between two streamgages on the same stream may not be linear. However, linear interpolation between two streamgages with relatively similar lengths of record should provide a reasonable estimate of flood magnitude for locations between the two streamgages.

Alabama River

Flow in the Alabama River is regulated by upstream reservoirs on both the Coosa and Tallapoosa Rivers. For the Alabama River near Montgomery (USGS station no. 02420000, plate 1), two different datasets were analyzed (1886–2015 and 1928–2015) that represent different periods of record with varying degrees of regulation. The 1928–2015 dataset represents the period of regulation and was used for this analysis.

No new data were available for the following streamgages on the Alabama River: Alabama River at Selma (USGS station no. 02423000), Alabama River near Millers Ferry (USGS station no. 02427500), and Alabama River at Claiborne (USGS station no. 02429500). Because no new analyses were conducted, the values found in the previous report (Hedgecock and Feaster, 2007) should be used.

Coosa River

Flow in the Coosa River is regulated by reservoirs at Carters Pond, Allatoona, Weiss, H. Neely Henry, Logan Martin, Lay, Mitchell, and Jordan Dams. For the Coosa River at Gadsden (USGS station no. 02400500, plate 1), no additional data had been collected since the last flood-frequency report (Hedgecock and Feaster, 2007); therefore, no new analysis was done.

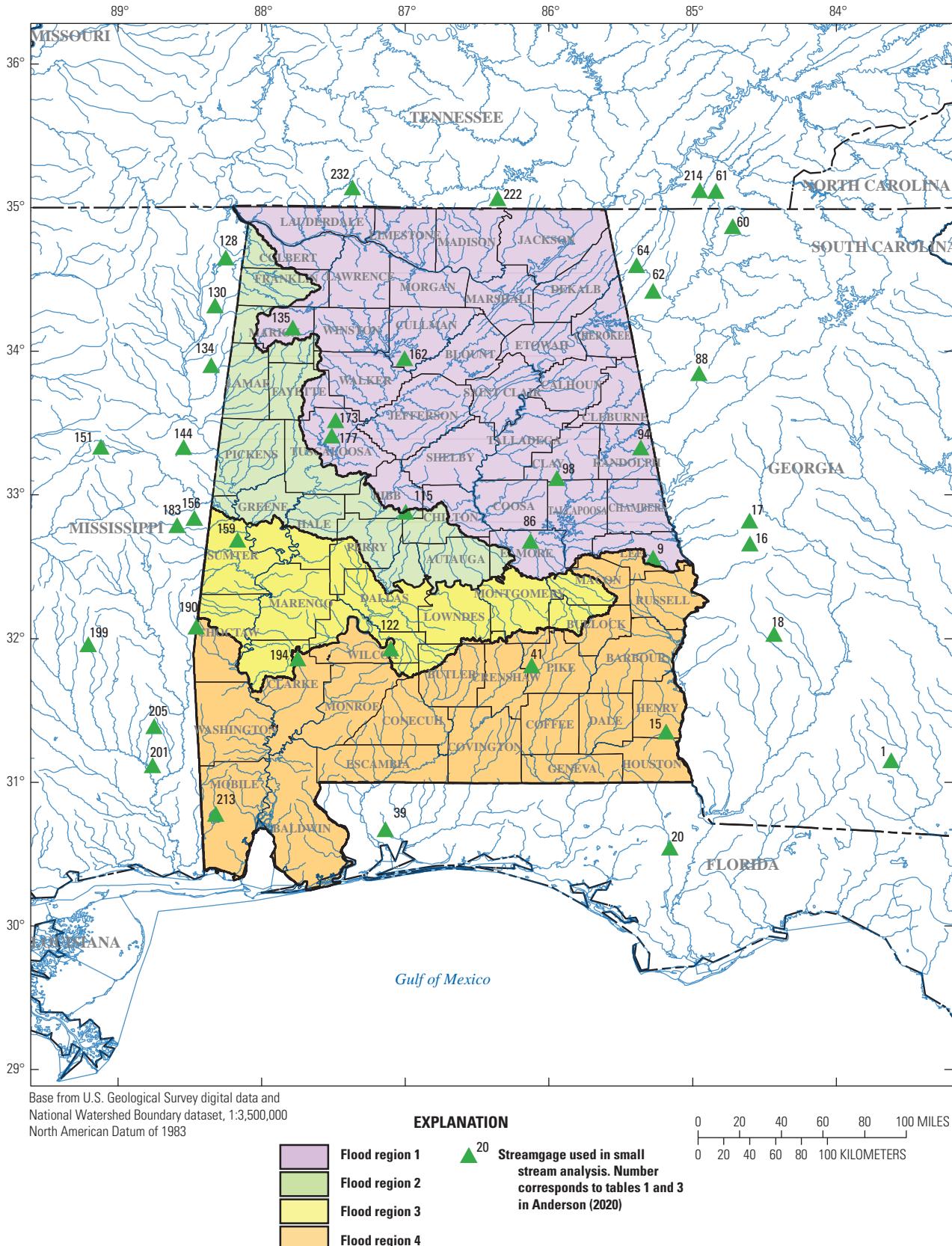


Figure 3. Locations of flood regions and small streamgages in Alabama.

Table 3. Final regional regression equations for estimating annual exceedance probability flows and generalized least squares model diagnostics for unregulated streams in Alabama.

[MSE, mean square error in log10 cubic feet per second; ft³/s, cubic foot per second; AVP, average variance of prediction in log10 cubic feet per second; SEP, standard error of prediction; pseudo-*R*², pseudo coefficient of determination; *A*, contributing drainage area in square miles]

Annual exceedance probability flow equation	MSE (log ft ³ /s)	AVP (log ft ³ /s) ²	SEP (percent)	Pseudo- <i>R</i> ² (percent)
Flood region 1 (90 streamgages)				
$Q_{50\%} = 235(A)^{0.668}$	0.018	0.016	29	93
$Q_{20\%} = 424(A)^{0.646}$	0.017	0.014	27	93
$Q_{10\%} = 568(A)^{0.638}$	0.017	0.013	27	93
$Q_{4\%} = 762(A)^{0.632}$	0.019	0.014	28	93
$Q_{2\%} = 916(A)^{0.630}$	0.021	0.015	28	92
$Q_{1\%} = 1,076(A)^{0.628}$	0.023	0.015	29	92
$Q_{0.5\%} = 1,239(A)^{0.627}$	0.025	0.017	30	91
$Q_{0.2\%} = 1,462(A)^{0.627}$	0.029	0.018	32	90
Flood region 2 (33 streamgages)				
$Q_{50\%} = 215(A)^{0.637}$	0.044	0.044	51	91
$Q_{20\%} = 340(A)^{0.646}$	0.029	0.026	38	95
$Q_{10\%} = 437(A)^{0.650}$	0.022	0.019	32	96
$Q_{4\%} = 570(A)^{0.653}$	0.018	0.014	28	97
$Q_{2\%} = 668(A)^{0.657}$	0.017	0.013	27	98
$Q_{1\%} = 794(A)^{0.655}$	0.017	0.012	25	98
$Q_{0.5\%} = 920(A)^{0.655}$	0.019	0.013	27	98
$Q_{0.2\%} = 1,109(A)^{0.654}$	0.024	0.017	31	97
Flood region 3 (22 streamgages)				
$Q_{50\%} = 461(A)^{0.492}$	0.026	0.022	35	85
$Q_{20\%} = 805(A)^{0.503}$	0.014	0.008	21	95
$Q_{10\%} = 1,094(A)^{0.510}$	0.011	0.004	15	98
$Q_{4\%} = 1,439(A)^{0.525}$	0.009	0.003	12	99
$Q_{2\%} = 1,687(A)^{0.538}$	0.008	0.002	11	100
$Q_{1\%} = 1,901(A)^{0.553}$	0.009	0.003	12	100
$Q_{0.5\%} = 2,109(A)^{0.568}$	0.012	0.003	13	100
$Q_{0.2\%} = 2,388(A)^{0.586}$	0.017	0.004	15	100
Flood region 4 (72 streamgages)				
$Q_{50\%} = 242(A)^{0.568}$	0.011	0.006	19	96
$Q_{20\%} = 455(A)^{0.565}$	0.007	0.003	12	98
$Q_{10\%} = 641(A)^{0.562}$	0.007	0.002	9	99
$Q_{4\%} = 908(A)^{0.560}$	0.009	0.002	11	99
$Q_{2\%} = 1,135(A)^{0.560}$	0.011	0.003	12	98
$Q_{1\%} = 1,380(A)^{0.561}$	0.015	0.004	14	98
$Q_{0.5\%} = 1,648(A)^{0.563}$	0.020	0.005	17	97
$Q_{0.2\%} = 2,032(A)^{0.567}$	0.027	0.008	21	96

Table 4. Small stream regional regression equations for estimating annual exceedance probability flows and generalized least squares model diagnostics for unregulated small streams in Alabama.

[MSE, mean square error in log10 cubic feet per second; ft³/s, cubic feet per second; AVP, average variance of prediction in log10 cubic feet per second; SEP, standard error of prediction; pseudo-*R*², pseudo coefficient of determination; A, contributing drainage area in square miles]

Annual exceedance probability flow equation	MSE (log ft ³ /s)	AVP (log ft ³ /s) ²	SEP (percent)	Pseudo- <i>R</i> ^{2 (percent)}
Small streams (40 streamgages)				
$Q_{50\%}=208(A)^{0.695}$	0.058	0.056	58	75
$Q_{20\%}=360(A)^{0.688}$	0.028	0.023	36	88
$Q_{10\%}=482(A)^{0.690}$	0.018	0.012	26	93
$Q_{4\%}=659(A)^{0.692}$	0.014	0.007	20	96
$Q_{2\%}=807(A)^{0.693}$	0.014	0.006	17	97
$Q_{1\%}=962(A)^{0.696}$	0.017	0.007	19	97
$Q_{0.5\%}=1,125(A)^{0.700}$	0.022	0.009	23	95
$Q_{0.2\%}=1,361(A)^{0.705}$	0.032	0.016	30	92

For the Coosa River at Childersburg, Ala. (USGS station no. 02407000, plate 1), a trend analysis of the entire period of record (1916–2016) indicated a change in high-flow patterns in the early to mid-1960s. This trend coincides with the construction of Weiss, H. Neely Henry, and Logan Martin Reservoirs (1961, 1966, and 1964, respectively). No trends were detected for the period prior to 1961, indicating that from 1916 to 1960, flow patterns were relatively consistent. Flow at Childersburg was only regulated by the dam at Allatoona prior to 1961, and the effects of regulation were considered minimal. An LP3 analysis was conducted on the 1967–2016 period of record, which is considered indicative of current, post-regulation flood-frequency conditions. A comparison of flood-frequency estimates for the pre-regulation period (1916–60) by Hedgecock and Feaster (2007) with those for the post-regulation period (1967–2016) indicates that the estimates of the magnitudes of larger floods (lower AEP) are not substantially different.

For the Coosa River at Jordan Dam near Wetumpka, Ala. (USGS station no. 02411000, plate 1), two periods were considered for analysis (1913–1984 and 1985–2013). The period 1985–2013 was considered to better represent current regulated conditions.

Tallapoosa River

Annual peak flows in the Tallapoosa River is regulated by reservoirs at R. L. Harris, Martin, Yates, and Thurlow Dams. For the Tallapoosa River at Wadley, Ala. (USGS station no. 02414500, plate 1), a trend analysis of the entire period of record (1924–2016), which included a mixture of unregulated and regulated flows, indicated no significant change in high-flow patterns. Using the entire period of record was considered

acceptable because there was no trend apparent in the dataset, and the graphical fit of an LP3 distribution was reasonable.

For the Tallapoosa River below Tallassee, Ala. (USGS station no. 02418500, plate 1), flood-frequency analyses were run on four different periods of record: (1) 1920–2013, which includes annual peaks from the various regulation periods and the 1920 historic peak from the unregulated period; (2) 1929–2013, which excludes the 1920 historic peak; (3) 1929–1983, which is the period prior to completion of the R.L. Harris Dam; and (4) 1984–2013, which is the period after completion of the R.L. Harris Dam. Results of the Mann-Kendall test indicated no statistically significant trend in any of the four periods. The LP3 curve fit the data reasonably well for all four periods. Given the similarities in the frequency curves, the uncertainty of how storage from Martin and R.L. Harris Dams would have affected the 1920 historic peak, and the fact that the frequency curve fits the data reasonably well, it seems appropriate to publish flood-frequency estimates computed by using the data from the period 1929–2013 (app. 1).

Tennessee River

A flood-frequency analysis was performed for the Tennessee River at Whitesburg, Ala. (USGS station no. 03575500, plate 1). For comparison, four LP3 analyses were made: (1) the complete period of record (1925–2011), (2) 1944–2011, (3) 1944–2011 with a historical period of 1867–1943, and (4) 1968–2011, which is the period after all major upstream dams were in place. The period of record selected for flood-frequency analysis was 1944–2011, during which all the dams on the Tennessee River were in place. The results of the Mann-Kendall test and the results of single-mass curves plotted for this streamgage indicate that the

high-flow patterns have been relatively consistent since 1944. Inspection of the flow record for the streamgage upstream of Whitesburg, the Tennessee River at Chattanooga, Tenn. (USGS station no. 03568000, plate 1), indicates that floods in 1867, 1875, 1886, and 1917 were the four largest that occurred at this location between 1867 and 2003. These flood events occurred primarily before regulation of the Tennessee River and before the streamgage at Whitesburg became active (1925). One of these flood peaks could have been the largest at the Whitesburg streamgage, but would not be reflected in this flood-frequency analysis.

For the Tennessee River at Florence, Ala. (USGS station no. 03589500, plate 1), three LP3 analyses were made: (1) the complete period of record from 1895 to 2013, including the 1867 historic peak and associated historical period 1867–1894; (2) 1944–2013; and (3) 1944–2013 with a historical period 1867–1943. The period of record from 1944 to 2013, with a historical period 1867–1943, was used for the final flood-frequency analysis. This dataset represents a period during which all dams on the Tennessee River were in place. The results of the Mann-Kendall test and the single-mass curves plotted for this streamgage indicate that high-flow patterns have been relatively consistent since 1944.

Tombigbee River

Annual peak flows in the Tombigbee River are regulated by locks and dams at Bevill, Heflin, Demopolis, and Coffeeville, and by numerous locks and dams on the Tennessee-Tombigbee Waterway in Mississippi. For the Tombigbee River at Gainesville, Ala. (USGS station no. 02449000, plate 1), no data were collected at this streamgage since the previous report (Hedgecock and Feaster, 2007); therefore, no update was performed.

For the Tombigbee River near Coatopa, Ala. (USGS station no. 02467000, plate 1), a trend analysis for the entire period of record (1893–2015) indicated a change in high-flow patterns in the early to mid-1970s. This trend most likely coincided with the beginning of construction of the Tennessee-Tombigbee Waterway in 1973. Trend analyses of the period prior to 1974 indicate that relatively consistent flow patterns were present. Therefore, an LP3 analysis was performed on the period of record 1974–2015, which was considered indicative of regulated flood-frequency conditions. Annual peak flows resulting from floods occurring after 1973 may be somewhat attenuated by the effects of the Tennessee-Tombigbee Waterway.

For the Tombigbee River near Coffeeville, Ala. (USGS station no. 02469761, plate 1), the period of record available is 1961–2015. Two LP3 analyses were made, one of the

complete periods of record (1961–2015) and another of the period 1974–2015. Floods occurring after 1973 may be of somewhat lesser magnitude because of the effects of the Tennessee-Tombigbee Waterway, although the 1979 peak was the peak of record and was flagged as being the highest since 1874. Therefore, the period of record 1974–2015 was used and is considered indicative of regulated flood-frequency conditions.

Black Warrior River

For the Black Warrior River at Northport, Ala. (USGS station no. 02465000, plate 1), the complete period of record (1929–2015) was used for the LP3 analysis. Two reservoirs are located upstream from the streamgage at Northport. The Mann-Kendall test and single-mass curves for the period 1929–2015 indicated consistent peak-flow patterns.

For the Black Warrior River near Eutaw, Ala. (USGS station no. 02466030, plate 1), the complete period of record from 1977 to 2012 was used for the LP3 analysis. The Mann-Kendall test indicated no trend for this period, and the LP3 distribution fits the dataset reasonably well. This period of record is indicative of current, regulated flood-frequency conditions. Other streamgages on the Black Warrior River were not analyzed because they either did not have enough record with a consistent flow pattern or the record was maximum daily average flow.

Conecuh River

For the Conecuh River near Brooklyn, Ala. (USGS station no. 02374000, plate 1), the systematic period of record is 1936–1957 with historic peaks in 1929 and 1975; the 1929 annual peak is considered to have been the highest flow since 1865. The historical period of record used for this analysis was 1865–1975.

For the Conecuh River at State Highway 41 near Brewton, Ala. (USGS station no. 02374250, plate 1), the systematic period of record is 1999–2016 with historic peaks in 1929 and 1975; the 1929 annual peak is considered to have been the highest flow since 1865. The historical period of record used for this analysis was 1865–2016. A comparison of the LP3 analysis for USGS station no. 02374250 with that for USGS station no. 02374000 showed that the flood-frequency estimates are not substantially different, which was expected because there is only a 7-percent difference in the sizes of the drainage areas. For the 10- to 0.2-percent AEP floods, the results from USGS station no. 02374000 are within the same confidence limits as those from USGS station no. 02374250.

Flood-Frequency Estimates at Streamgages in Alabama

The estimates of the AEP flows at streamgages were computed by using the EMA and MGB to test for PILFs. AEP flows at streamgages should be determined by weighting the station skew coefficient with the generalized skew coefficient from Bulletin 17B (Interagency Advisory Committee on Water Data, 1982). The accuracy of AEP flows at streamgages can be further improved by weighting those flows with RRE-predicted AEP flows. The variance of prediction is a function of the regression equations and the independent variables used to develop the flow estimate. If the estimated AEP flows at streamgages and RRE-predicted AEP flows are assumed to be independent and are weighted in inverse proportion to the associated variances, the variance of the weighted estimate will be less than the variance of either of the independent estimates. Once the variances have been computed, the two independent flow estimates can be weighted by using the following equation:

$$\log_{10} Q_{P(g)w} = \frac{V_{p,P(g)r} * \log_{10} Q_{P(g)s} + V_{p,P(g)s} * \log_{10} Q_{P(g)r}}{V_{p,P(g)s} + V_{p,P(g)r}}, \quad (2)$$

where

- $Q_{P(g)w}$ is the weighted-flow estimate for the selected recurrence interval, in cubic feet per second;
- $V_{p,P(g)r}$ is the variance of prediction at the streamgage, derived from the applicable RRE AEP, in log units;
- $Q_{P(g)s}$ is the estimate of peak flow at the streamgage from the EMA analysis for the selected AEP, in cubic feet per second;
- $V_{p,P(g)s}$ is the variance of prediction at the streamgage from the EMA analysis for the selected AEP, in log units; and
- $Q_{P(g)r}$ is the estimate of peak flow at the streamgage from the RRE for the selected AEP, in cubic feet per second.

The estimates of streamflow at streamgages were weighted with the regional estimates of streamflow to compute a final set of AEP flows. The weighted-flow estimates for the streamgages in Alabama are provided in the data release associated with this report (Anderson, 2020).

Flood-Frequency Estimates at Ungaged Locations on Gaged Streams

The AEP flows for a streamgage can be transferred to an ungaged location on the same stream by using the area-weighting method. Equation 3 can be used if the drainage area

at an ungaged location on the stream is within 50 percent of the drainage area at the streamgage (drainage area ratio is more than 0.5 or less than 1.5) (Ries and Dillow, 2006). The drainage area ratio estimate for an ungaged location can be calculated by using the following equation:

$$Q_{P(u)} = \left(\frac{A_{(u)}}{A_{(g)}} \right)^b Q_{P(g)w}, \quad (3)$$

where

- $Q_{P(u)}$ is the drainage area ratio estimate of flood flow for the selected P -percent AEP for the ungaged location, u , in cubic feet per second;
- $A_{(u)}$ is the drainage area of the ungaged location, in square miles;
- $A_{(g)}$ is the drainage area of the upstream or downstream streamgage, in square miles;
- $Q_{P(g)w}$ is the weighted estimate of flood flow for the selected P -percent AEP for the upstream or downstream streamgage, in cubic feet per second; and
- b is the exponent of drainage area from the appropriate RRE (tables 3 and 4).

This method, however, does not weight the area-weighted flows with the RRE flows for the ungaged location. The AEP flows from the streamgage can be transferred and weighted with RRE flows for the ungaged location by using the following equation:

$$Q_{P(u)w} = \left(\frac{2|\Delta A|}{A_g} \right) Q_{P(u)r} + \left(1 - \frac{2|\Delta A|}{A_g} \right) Q_{P(u)}, \quad (4)$$

where

- $Q_{P(u)w}$ is the weighted-flow estimate at the ungaged location, in cubic feet per second;
- $Q_{P(u)r}$ is the RRE flood estimate at the ungaged location for the selected AEP, in cubic feet per second;
- A_g is the drainage area of the streamgage, in square miles;
- $|\Delta A|$ is the absolute difference in drainage areas between the ungaged location and the streamgage, in square miles; and
- $Q_{P(u)}$ is the estimate of flood flow for the selected P -percent AEP for the ungaged location, u , in cubic feet per second computed from equation 3.

If the drainage area at an ungaged location differs by more than 50 percent from that of the streamgage, the RRE estimates should be used. If an ungaged location is between two streamgages on the same stream, the site with the closest drainage area ratio and longest period of record should be used (Sauer, 1974).

Flood-Frequency Estimates at Locations on Ungaged Streams

For locations on ungaged streams, the flood region should be determined by using figure 2 or StreamStats (<http://water.usgs.gov/osw/streamstats/>; USGS, 2017a). The RREs for the appropriate flood region and size of drainage area should then be used to compute flows for the desired range of AEPs (table 3 or 4). The standard error of prediction (SEP) is a measure of the accuracy of AEP flow estimates for ungaged basins in each region.

Accuracy and Limitations of Regional Regression Equations

The RREs and small-stream equations only apply to rural streams that can be described by using the basin characteristics and having drainage areas within the range of streamgages in each region that were used to develop the equations (table 5). These methods should not be used for sites in stream basins that are substantially affected by regulation from impoundments, channelization, levees, or other man-made structures. The RREs and small-stream equations also should not be applied to locations on streams in urban areas where more than 10 percent of the basin is covered by impervious area. The methods do not apply where flooding is influenced by extreme ocean storm surge or tidal events. Reliability of the RREs and small-stream equations for a location in a flood

Table 5. Ranges of explanatory variable data used to develop regional regression equations.

[RREs, regional regression equations; mi², square mile]

Ranges of data used to develop RREs		
Region	Number of gages	Range of drainage area
1	90	0.94 to 1,027 mi ²
2	33	0.13 to 1,766 mi ²
3	22	0.34 to 1,097 mi ²
4	72	0.69 to 1,650 mi ²
Small streams	40	0.13 to 14 mi ²

region that has basin characteristics outside the limits of the streamgages confined in that flood region is unknown.

The accuracy of a flood-frequency estimate traditionally has been expressed in two ways—as the mean standard error of the model or as the mean SEP. The mean standard error of the model is a measure of how well the regression model fits the input data and represents the standard deviation of the differences between streamgage data and the corresponding prediction from the regression equation. The SEP is a measure of how well the regression model estimates flood magnitudes for ungaged basins. The SEP is the square root of the mean square error of prediction (MSE_p). The MSE_p is the sum of two components—the MSE resulting from the model and the sampling MSE resulting from estimating the model parameters from samples of the population.

Summary and Conclusions

Flood-frequency estimates for rural Alabama streams were last updated in 2007; since that time, estimation techniques have improved, and additional streamflow data are available to improve the accuracy of such estimates. Thus, the U.S. Geological Survey, in cooperation with the Alabama Department of Transportation, performed flood-frequency analyses to estimate annual exceedance probability (AEP) flows at streamgages, developed regional regression equations (RREs) to estimate AEPs at ungaged locations in rural Alabama, and performed flood-frequency analyses for large river basins. Many basin characteristics were analyzed, but drainage area was the only characteristic that was statistically significant and was used as an explanatory variable in the RREs. The boundaries of four flood regions in the State of Alabama that were defined in the 2007 study were confirmed and adjusted through use of the RREs.

Additionally, equations were developed for small streams in Alabama having a drainage area of 14 square miles or less. These RREs are recommended in order to improve the accuracy of the AEP flow estimates for sites with drainage areas less than 5 square miles.

Extreme flow events have the potential for devastating impacts to the economy, infrastructure, and the landscape. Keeping flood-frequency analyses and RREs updated can provide water-resource managers the information needed during flood-response planning. By broadening the regional approach for the development of flood-frequency RREs across State lines, flood-frequency estimates have the potential to be more accurate than previously calculated estimates and applicable to a larger study area. Finally, providing the analysis results on a publicly accessible web interface, StreamStats (<https://water.usgs.gov/osw/streamstats/>), allows a user to select a site of interest and obtain the AEP flows for that site at any time.

References Cited

- Anderson, B.T., 2020, Flood regions and annual exceedance probability flows for Alabama streams, data through 2015: U.S. Geological Survey data release, <https://doi.org/10.5066/P9TYSZLL>.
- Atkins, J.B., 1996, Magnitude and frequency of floods in Alabama: U.S. Geological Survey Water-Resources Investigations Report 95-4199, 234 p.
- Barnes, H.H., Jr., and Golden, H.G., 1966, Magnitude and frequency of floods in the United States, Part 2-B, South Atlantic and eastern Gulf of Mexico basins, Ogeechee River to Pearl River: U.S. Geological Survey Water-Supply Paper 1674, 409 p.
- Cohn, T.A., England, J.F., Berenbrock, C.E., Mason, R.R., Stedinger, J.R., and Lamontagne, J.R., 2013, A generalized Grubbs-Beck test statistic for detecting multiple potentially influential low outliers in flood series: *Water Resources Research*, v. 49, no. 8, p. 5047–5058, accessed June 12, 2018, at <http://dx.doi.org/10.1002/wrcr.20392>.
- Cohn, T.A., Lane, W.L., and Baier, W.G., 1997, An algorithm for computing moments-based flood quantile estimates when historical flood information is available: *Water Resources Research*, v. 33, no. 9, p. 2089–2096, June 12, 2018, at <https://doi.org/10.1029/97WR01640>.
- Eng, K., Chen, Y.Y., and Kiang, J.E., 2009, User's guide to the weighted-multiple-linear regression program (WREG version 1.0): U.S. Geological Survey Techniques and Methods, book 4, chap. A8, 21 p. [Also available at <http://pubs.usgs.gov/tm/tm4a8/>.]
- England, J.F., Jr., Cohn, T.A., Faber, B.A., Stedinger, J.R., Thomas, W.O., Jr., Veilleux, A.G., Kiang, J.E., and Mason, R.R., Jr., 2019, Guidelines for determining flood flow frequency—Bulletin 17C (ver. 1.1, May 2019): U.S. Geological Survey Techniques and Methods, book 4, chap. B5, 148 p., June 13, 2018, at <https://doi.org/10.3133/tm4B5>.
- Gamble, C.R., 1965, Magnitude and frequency of floods in Alabama: Alabama Highway Department HPR Report No. 5, 42 p.
- Griffis, V.W., and Stedinger, J.R., 2007, Log-Pearson type 3 distribution and its application in flood frequency analysis. II. Parameter estimation methods: *Journal of Hydrologic Engineering*, v. 12, no. 5, p. 492–500, accessed June 12, 2018, at [https://doi.org/10.1061/\(ASCE\)1084-0699\(2007\)12:5\(492\)](https://doi.org/10.1061/(ASCE)1084-0699(2007)12:5(492)).
- Hains, C.F., 1973, Floods in Alabama, magnitude and frequency: Alabama Highway Department, 174 p.
- Hedgecock, T.S., 2004, Magnitude and frequency of floods on small rural streams in Alabama: U.S. Geological Survey Scientific Investigations Report 2004-5135, 10 p.
- Hedgecock, T.S., and Feaster, T.D., 2007, Magnitude and frequency of floods in Alabama, 2003: U.S. Geological Survey Scientific Investigations Report 2007-5204, 28 p., + app. [Also available at <https://pubs.water.usgs.gov/sir2007-5204>.]
- Hedgecock, T.S., and Lee, K.G., 2010, Magnitude and frequency of floods for urban streams in Alabama, 2007: U.S. Geological Survey Scientific Investigations Report 2010-5012, 17 p. [Also available at <https://doi.org/10.3133/sir20105012>.]
- Helsel, R.M., and Hirsch, D.R., 1995, Studies in environmental science 49—Statistical methods in water resources: Amsterdam, Elsevier Science, 529 p.

- Interagency Advisory Committee on Water Data, 1982, Guidelines for determining flood-flow frequency: Bulletin 17B, 183 p.
- Olin, D.A., 1984, Magnitude and frequency of floods in Alabama: U.S. Geological Survey Water-Resources Investigations Report 84-4191, 105 p.
- Olin, D.A., and Bingham, R.H., 1977, Flood frequency of small streams in Alabama: Alabama Highway Department, HPR Report No. 83, 44 p.
- Olin, D.A., and Bingham, R.H., 1982, Synthesized flood frequency of urban streams in Alabama: U.S. Geological Survey Water-Resources Investigations Report 82-683, 35 p.
- Parrett, C., Veilleux, A., Stedinger, J.R., Barth, N.A., Knifong, D.L., and Ferris, J.C., 2011, Regional skew for California, and flood frequency for selected sites in the Sacramento–San Joaquin River Basin, based on data through water year 2006: U.S. Geological Survey Scientific Investigations Report 2010-5260, 94 p.
- Pierce, L.B., 1954, Floods in Alabama, magnitude and frequency: U.S. Geological Survey Circular 342, 105 p.
- Ries, K.G., III, and Dillon, J.J.A., 2006, Magnitude and frequency of floods on nontidal streams in Delaware: U.S. Geological Survey Scientific Investigations Report 2006-5146, 59 p.
- Sauer, V.B., 1974, Flood characteristics of Oklahoma streams, techniques for calculating magnitude and frequency of floods in Oklahoma, with compilations of flood data through 1971: U.S. Geological Survey Water-Resources Investigations Report 73-52, 307 p.
- Searcy, J.K., and Hardison, C.H., 1960, Double-mass curves: U.S. Geological Survey Water-Supply Paper 1541-B, p. 31–66.
- Speer, P.R., and Gamble, C.R., 1964, Magnitude and frequency of floods in the United States, Part 3-B, Cumberland and Tennessee River Basins: U.S. Geological Survey Water-Supply Paper 1676, 340 p.
- U.S. Climate Data, 2018, Climate data for Montgomery, Alabama, accessed February 7, 2017, at <https://www.usclimatedata.com/climate/montgomery/alabama/united-states/usal0375>.
- U.S. Geological Survey, 2013, WREG, weighted-multiple-linear regression program, accessed June 1, 2014, at <https://water.usgs.gov/software/WREG/>.
- U.S. Geological Survey, 2014, PeakFQ, accessed July 3, 2013, at <https://water.usgs.gov/software/PeakFQ/>.
- U.S. Geological Survey, 2017a, Welcome to StreamStats, accessed July 3, 2015, at <https://water.usgs.gov/osw/streamstats/>.
- U.S. Geological Survey, 2017b, USGS water data for the Nation: U.S. Geological Survey National Water Information System database, accessed October 25, 2018, at <http://dx.doi.org/10.5066/F7P55KJN>. [Peak-flow data directly accessible at <https://nwis.waterdata.usgs.gov/usa/nwis/peak>.]
- Wagner, D.M., Krieger, J.D., and Veilleux, A.G., 2016, Methods for estimating annual exceedance probability discharges for streams in Arkansas, based on data through water year 2013: U.S. Geological Survey Scientific Investigations Report 2016-5081, 136 p., accessed July 30, 2014, at <https://doi.org/10.3133/sir20165081>.

Appendix 1

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
02340750	6	Osanippa Creek near Fairfax, Ala.	1	EMA	3,880	6,300	8,240	11,100	13,600	16,300	19,400	24,100
				RRE	5,080	8,290	10,700	14,000	16,600	19,400	22,200	26,200
				Weighted	3,950	6,440	8,440	11,400	14,000	16,800	19,900	24,600
02342150	8	Uchee Creek near Seale, Ala.	4	EMA	4,342	8,573	12,050	17,140	21,390	26,000	30,980	38,160
				RRE	3,910	7,240	10,100	14,100	17,600	21,500	26,000	32,700
				Weighted	4,100	7,590	10,400	14,400	18,100	22,100	26,600	33,500
02342200	9	Phelps Creek near Opelika, Ala.	1	EMA	812	1,490	2,020	2,760	3,350	3,980	4,650	5,580
				RRE	835	1,440	1,910	2,530	3,030	3,540	4,070	4,800
				Weighted	813	1,490	2,010	2,730	3,300	3,880	4,500	5,330
02342200	9	Phelps Creek near Opelika, Ala.	Small stream	EMA	812	1,492	2,020	2,759	3,354	3,983	4,646	5,576
				RRE	1,170	2,090	2,880	3,900	4,680	5,430	6,200	7,260
				Weighted	846	1,620	2,370	3,480	4,310	5,070	5,810	6,740
02342500	10	Uchee Creek near Fort Mitchell, Ala.	4	EMA	8,380	14,790	19,870	27,210	33,310	39,940	47,140	57,610
				RRE	6,430	11,900	16,500	23,000	28,800	35,200	42,500	53,700
				Weighted	7,970	13,600	18,000	24,300	30,300	36,700	43,900	55,000
02342933	11	South Fork Cowikee Creek near Batesville, Ala.	4	EMA	5,536	8,824	11,450	15,330	18,650	22,350	26,490	32,730
				RRE	3,530	6,540	9,090	12,800	15,900	19,500	23,500	29,500
				Weighted	5,140	7,890	10,000	13,500	16,700	20,300	24,300	30,500
02343275	13	Abbie Creek near Abbeville, Ala.	4	EMA	1,607	3,591	5,618	9,248	12,910	17,570	23,450	33,570
				RRE	2,180	4,040	5,680	8,020	10,000	12,200	14,700	18,400
				Weighted	1,890	3,910	5,670	8,170	10,400	12,800	15,600	20,100
02343300	14	Abbie Creek near Haleburg, Ala.	4	EMA	2,817	5,285	7,627	11,620	15,500	20,320	26,290	36,350
				RRE	4,070	7,520	10,500	14,800	18,600	22,600	27,300	34,300
				Weighted	3,180	6,540	9,790	14,300	18,100	22,300	27,200	34,600
02343700	15	Stevenson Creek near Headland, Ala.	4	EMA	1,064	1,832	2,453	3,369	4,149	5,014	5,975	7,407
				RRE	1,080	2,020	2,820	3,980	4,980	6,070	7,280	9,070
				Weighted	1,070	1,960	2,750	3,900	4,860	5,920	7,090	8,790
02343700	15	Stevenson Creek near Headland, Ala.	Small stream	EMA	1,064	1,832	2,453	3,369	4,149	5,014	5,975	7,407
				RRE	1,690	3,040	4,200	5,750	6,980	8,180	9,440	11,200
				Weighted	1,110	2,070	3,120	4,840	6,180	7,370	8,560	10,000

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
02360000	21	West Fork Choctawhatchee R at Blue Springs, Ala.	4	EMA	2,007	4,029	5,948	9,187	12,300	16,110	20,750	28,420
				RRE	3,050	5,670	7,880	11,100	13,800	16,900	20,300	25,500
				Weighted	2,390	5,000	7,390	10,800	13,500	16,800	20,400	26,000
02360275	22	Judy Creek near Ozark, Ala.	4	EMA	3,118	6,450	9,749	15,540	21,300	28,570	37,680	53,260
				RRE	3,320	6,140	8,610	12,100	15,200	18,500	22,300	27,900
				Weighted	3,210	6,240	8,820	12,500	15,900	19,600	23,800	30,400
02360500	23	East Fork Choctawhatchee R near Midland City, Ala.	4	EMA	4,947	9,748	14,170	21,450	28,280	36,460	46,220	62,010
				RRE	6,020	11,100	15,500	21,800	27,300	33,300	40,200	50,600
				Weighted	5,500	10,700	15,300	21,800	27,400	33,700	41,000	52,200
02361000	24	Choctawhatchee River near Newton, Ala.	4	EMA	8,746	16,540	24,120	37,310	50,420	66,990	87,840	123,800
				RRE	9,800	18,000	25,100	35,300	44,200	53,800	65,200	82,400
				Weighted	8,930	17,100	24,700	35,800	45,600	56,500	69,300	90,100
02362240	25	Little Double Bridges Creek nr Enterprise, Ala.	4	EMA	1,176	2,664	4,197	6,956	9,751	13,320	17,830	25,600
				RRE	1,370	2,540	3,580	5,060	6,340	7,700	9,260	11,500
				Weighted	1,270	2,580	3,700	5,310	6,810	8,410	10,200	13,100
02363000	26	Pea River near Arinton, Ala.	4	EMA	6,821	13,240	18,950	28,030	36,280	45,910	57,120	74,690
				RRE	8,170	15,000	21,000	29,500	36,900	45,000	54,500	68,700
				Weighted	7,090	13,900	20,200	29,100	36,700	45,300	55,200	70,400
02364000	27	Pea River at Elba, Ala.	4	EMA	12,570	21,340	28,520	39,270	48,560	59,010	70,750	88,530
				RRE	11,900	21,800	30,300	42,500	53,300	65,000	78,700	99,600
				Weighted	12,500	21,500	29,400	41,300	51,500	62,800	75,900	95,300
02364500	28	Pea River near Samson, Ala.	4	EMA	12,620	20,690	27,270	37,120	45,660	55,280	66,150	82,690
				RRE	13,500	24,800	34,200	47,700	59,700	73,000	88,500	112,000
				Weighted	12,800	21,900	30,500	43,200	53,600	65,500	79,500	99,400
02367500	32	Lightwood Knot Creek at Babbie, Ala.	4	EMA	3,454	6,983	10,430	16,440	22,380	29,820	39,120	54,940
				RRE	3,540	6,540	9,170	12,900	16,200	19,700	23,700	29,800
				Weighted	3,490	6,710	9,470	13,500	17,200	21,200	25,700	33,100
02369800	36	Blackwater River near Bradley, Ala.	4	EMA	2,317	4,983	7,538	11,840	15,950	20,930	26,930	36,700
				RRE	3,050	5,640	7,910	11,100	14,000	17,000	20,500	25,700
				Weighted	2,560	5,370	7,820	11,200	14,300	17,600	21,400	27,300

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)									
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent		
02371000	40	Conecuh River near Troy, Ala.	4	EMA	5,370	10,930	15,770	23,230	29,770	37,170	45,480	58,010		
				RRE	5,610	10,300	14,500	20,400	25,500	31,000	37,500	47,200		
				Weighted	5,480	10,500	14,800	20,900	26,300	32,100	38,900	49,300		
	41	Indian Creek near Troy, Ala.		EMA	544	1,058	1,530	2,303	3,026	3,891	4,924	6,593		
				RRE	829	1,540	2,180	3,090	3,870	4,700	5,640	7,000		
				Weighted	642	1,320	1,980	2,920	3,680	4,530	5,500	6,920		
	41	Indian Creek near Troy, Ala.		Small stream	EMA	544	1,058	1,530	2,303	3,026	3,891	4,942	6,593	
				RRE	1,350	2,410	3,330	4,530	5,460	6,360	7,290	8,580		
				Weighted	577	1,210	1,950	3,320	4,470	5,480	6,510	7,850		
02371500	42	Conecuh River at Brantley, Ala.	4	EMA	6,540	11,800	15,970	21,980	26,960	32,360	38,180	46,600		
				RRE	8,190	15,100	21,000	29,500	37,000	45,100	54,600	68,800		
				Weighted	6,820	12,900	18,400	26,500	32,800	39,800	48,100	59,200		
02372000	43	Patsaliga Creek at Luverne, Ala.	4	EMA	6,270	11,820	16,520	23,640	29,830	36,800	44,630	56,420		
				RRE	5,570	10,300	14,400	20,200	25,300	30,800	37,300	46,900		
				Weighted	5,980	10,900	15,000	20,900	26,300	32,100	38,800	49,100		
02372250	44	Patsaliga Creek near Brantley, Ala.	4	EMA	6,126	12,190	17,580	26,110	33,800	42,710	52,990	68,960		
				RRE	7,640	14,100	19,600	27,600	34,500	42,100	50,900	64,200		
				Weighted	6,630	13,300	19,100	27,300	34,400	42,200	51,300	65,100		
02372422	45	Conecuh River Bel Pt A Dam nr River Falls, Ala.	4	EMA	10,320	19,350	26,740	37,620	46,810	56,890	67,950	84,130		
				RRE	13,900	25,600	35,600	49,900	62,500	76,200	92,400	117,000		
				Weighted	12,100	23,700	34,000	48,300	60,300	73,400	88,900	111,000		
02372500	46	Conecuh River near Andalusia, Ala.	4	EMA	13,890	23,580	31,410	42,980	52,860	63,870	76,130	94,480		
				RRE	14,400	26,300	36,700	51,400	64,400	78,500	95,200	121,000		
				Weighted	14,000	24,500	34,100	48,300	60,000	73,100	88,400	111,000		
02373000	47	Sepulga River near Mckenzie, Ala.	4	EMA	8,737	15,850	21,770	30,680	38,390	47,040	56,740	71,340		
				RRE	7,970	14,700	20,400	28,500	35,600	43,500	52,600	66,500		
				Weighted	8,590	15,400	21,000	29,200	36,600	44,700	53,900	68,200		
02373500	48	Pigeon Creek near Thad, Ala.	4	EMA	5,393	10,900	15,790	23,480	30,380	38,320	47,420	61,440		
				RRE	6,210	11,400	16,000	22,500	28,200	34,300	41,500	52,200		
				Weighted	5,710	11,200	15,900	22,700	28,700	35,100	42,600	54,100		

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
02374000	49	Conecuh River near Brooklyn, Ala.	*	EMA	29,200	48,800	63,800	85,000	102,000	121,000	141,000	170,000
02374250	50	Conecuh River at State Hwy 41 near Brewton, Ala.	*	EMA	19,200	36,300	51,300	74,900	96,100	121,000	149,000	194,000
02374500	51	Murder Creek near Evergreen, Ala.	4	EMA	3,328	7,030	10,890	18,010	25,430	35,190	47,930	70,750
				RRE	4,530	8,350	11,700	16,500	20,600	25,100	30,300	38,100
				Weighted	3,580	7,660	11,500	16,800	21,400	26,600	32,600	42,300
02374745	52	Burnt Corn Creek at State Hwy 41 near Brewton, Ala.	4	EMA	3,011	6,482	10,090	16,710	23,580	32,530	44,130	64,730
				RRE	4,610	8,510	11,900	16,800	21,000	25,600	30,900	38,800
				Weighted	3,870	8,110	11,700	16,800	21,200	26,000	31,600	40,200
02374950	53	Big Escambia Cr at Sardine Br nr Stanley Crossroad	4	EMA	3,660	6,549	8,996	12,750	16,060	19,830	24,140	30,760
				RRE	4,770	8,800	12,300	17,300	21,700	26,400	31,900	40,100
				Weighted	4,180	8,150	11,800	16,800	21,000	25,600	30,900	38,800
02375000	54	Big Escambia Creek at Flomaton, Ala.	4	EMA	6,959	12,540	17,500	25,450	32,780	41,450	51,710	68,140
				RRE	6,470	11,900	16,700	23,400	29,300	35,700	43,200	54,400
				Weighted	6,820	12,200	16,900	23,800	30,100	36,900	44,900	57,400
02377500	57	Styx River Near Loxley, Ala.	4	EMA	3,261	6,766	10,220	16,250	22,220	29,720	39,070	54,970
				RRE	3,160	5,860	8,150	11,400	14,300	17,500	21,000	26,400
				Weighted	3,210	6,140	8,540	12,000	15,300	19,000	23,000	29,700
02377570	58	Styx River Near Elsanor, Ala.	4	EMA	5,459	11,110	16,190	24,270	31,590	40,100	49,940	65,250
				RRE	4,790	8,870	12,300	17,200	21,600	26,400	31,800	40,000
				Weighted	5,170	9,740	13,300	18,500	23,600	29,000	34,900	44,700
02378500	59	Fish River near Silver Hill, Ala.	4	EMA	1,989	4,709	7,486	12,400	17,270	23,360	30,890	43,510
				RRE	2,340	4,340	6,100	8,610	10,800	13,100	15,800	19,800
				Weighted	2,130	4,470	6,390	9,120	11,700	14,400	17,500	22,600
02398300	66	Chattooga River above Gaylesville, Ala.	1	EMA	8,380	12,700	16,000	20,400	24,000	27,900	32,000	37,900
				RRE	12,100	19,200	24,500	31,800	37,700	43,800	50,200	59,200
				Weighted	9,160	14,600	19,300	25,700	31,200	37,400	43,400	52,400
02399000	67	Little River near Jamestown, Ala.	1	EMA	9,860	14,900	18,400	23,100	26,600	30,300	34,100	39,200
				RRE	5,910	9,590	12,400	16,100	19,200	22,300	25,600	30,200
				Weighted	9,490	14,200	17,500	21,600	24,600	27,600	30,900	35,200

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
02399200	68	Little River near Blue Pond, Ala.	1	EMA	14,300	23,000	29,200	37,400	43,700	50,200	56,800	65,900
				RRE	8,070	13,000	16,600	21,600	25,700	29,900	34,200	40,400
				Weighted	13,700	21,700	27,000	33,800	38,600	42,900	47,700	53,800
02400000	69	Terrapin Creek near Piedmont, Ala.	1	EMA	10,100	13,500	15,800	18,800	21,000	23,300	25,600	28,800
				RRE	5,630	9,140	11,800	15,400	18,300	21,300	24,400	28,800
				Weighted	9,890	13,200	15,400	18,300	20,500	22,900	25,300	28,800
02400100	70	Terrapin Creek at Ellisville, Ala.	1	EMA	6,720	10,800	13,800	17,800	20,900	24,200	27,600	32,400
				RRE	9,450	15,100	19,300	25,100	29,800	34,700	39,700	46,800
				Weighted	6,830	11,100	14,400	18,800	22,500	26,600	30,700	36,800
02400500	71	Coosa River at Gadsden, Ala.	*	EMA	47,200	60,200	68,800	80,000	88,500	97,100	106,000	118,000
02401000	72	Big Wills Creek near Reece City	1	EMA	5,200	8,520	10,900	13,900	16,200	18,500	20,900	24,000
				RRE	7,600	12,200	15,700	20,400	24,300	28,300	32,400	38,200
				Weighted	5,330	8,840	11,500	15,100	18,100	21,400	24,700	29,700
02401370	73	Big Canoe Creek near Springville, Ala.	1	EMA	2,530	3,620	4,370	5,350	6,090	6,860	7,640	8,720
				RRE	2,990	4,960	6,440	8,450	10,100	11,700	13,500	15,900
				Weighted	2,550	3,680	4,500	5,620	6,530	7,550	8,590	10,200
02401390	74	Big Canoe Creek at Ashville, Ala.	1	EMA	5,620	7,790	9,330	11,400	13,000	14,700	16,500	19,000
				RRE	6,410	10,400	13,400	17,400	20,700	24,100	27,600	32,500
				Weighted	5,680	7,960	9,640	11,900	13,900	16,100	18,300	21,800
02401470	75	Little Canoe Creek near Steele, Ala.	1	EMA	1,620	2,420	3,000	3,780	4,400	5,060	5,750	6,740
				RRE	1,870	3,150	4,120	5,420	6,480	7,560	8,680	10,200
				Weighted	1,630	2,450	3,060	3,880	4,560	5,320	6,090	7,270
02401500	76	Big Canoe Creek near Gadsden, Ala.	1	EMA	7,650	12,200	15,900	21,200	25,800	30,900	36,600	45,100
				RRE	9,470	15,100	19,400	25,200	29,900	34,800	39,800	47,000
				Weighted	7,730	12,400	16,300	21,800	26,500	31,800	37,400	45,700
02404000	77	Choccolocco Creek near Jenifer, Ala.	1	EMA	7,070	13,200	18,000	24,600	30,000	35,600	41,400	49,600
				RRE	10,100	16,000	20,500	26,600	31,700	36,800	42,100	49,700
				Weighted	7,150	13,300	18,100	24,800	30,200	35,800	41,500	49,600

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
02404400	78	Choccolocco Creek at Jackson Shoal nr Linc	1	EMA	10,500	18,400	24,800	34,300	42,400	51,500	61,500	76,500
				RRE	14,500	22,900	29,200	37,800	44,800	52,000	59,500	70,300
				Weighted	10,600	18,500	25,000	34,500	42,500	51,500	61,300	75,700
02405500	79	Kelly Creek near Vincent, Ala.	1	EMA	6,800	11,000	14,500	19,600	24,100	29,200	35,000	43,800
				RRE	7,900	12,700	16,300	21,200	25,200	29,300	33,600	39,600
				Weighted	6,850	11,100	14,600	19,800	24,200	29,200	34,700	42,800
02406500	80	Talladega Creek at Alpine, Ala.	1	EMA	5,050	9,480	13,200	18,900	23,700	29,200	35,400	44,600
				RRE	6,680	10,800	13,900	18,100	21,500	25,000	28,700	33,800
				Weighted	5,440	9,880	13,500	18,500	22,500	26,600	31,100	37,000
02407000	81	Coosa River at Childersburg, Ala.	*	EMA	64,600	83,300	95,900	112,000	124,000	137,000	149,000	167,000
02407500	82	Yellowleaf Creek near Wilsonville, Ala.	1	EMA	2,900	6,120	9,250	14,600	19,700	26,100	33,800	46,700
				RRE	4,970	8,120	10,500	13,700	16,300	19,000	21,700	25,700
				Weighted	3,040	6,300	9,390	14,500	19,000	24,200	30,100	38,400
02408500	83	Hatchet Creek near Rockford, Ala.	1	EMA	8,840	15,500	21,200	30,100	38,100	47,300	58,100	75,000
				RRE	8,960	14,300	18,400	23,900	28,400	33,000	37,800	44,600
				Weighted	8,850	15,400	20,900	29,300	36,600	44,500	53,500	66,000
02408540	84	Hatchet Creek below Rockford, Ala.	1	EMA	9,970	18,000	24,600	34,600	43,100	52,600	63,200	79,000
				RRE	9,720	15,500	19,900	25,800	30,700	35,600	40,800	48,100
				Weighted	9,960	17,800	24,200	33,500	41,200	49,200	58,000	70,000
02409000	85	Weogufka Creek near Weogufka, Ala.	1	EMA	3,150	6,350	9,300	14,100	18,600	23,900	30,300	40,400
				RRE	4,140	6,800	8,800	11,500	13,700	16,000	18,300	21,600
				Weighted	3,360	6,460	9,160	13,300	17,000	20,900	25,400	31,500
02410000	86	Paterson Creek near Central, Ala.	1	EMA	627	1,080	1,460	2,050	2,580	3,180	3,870	4,940
				RRE	680	1,190	1,570	2,080	2,500	2,920	3,360	3,970
				Weighted	630	1,090	1,470	2,050	2,570	3,130	3,750	4,660
02410000	86	Paterson Creek near Central, Ala.	Small stream	EMA	627	1,080	1,463	2,053	2,576	3,177	3,867	4,938
				RRE	1,010	1,790	2,460	3,320	3,970	4,580	5,210	6,070
				Weighted	638	1,150	1,690	2,640	3,410	4,080	4,760	5,640

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
02411000	87	Coosa River at Jordan Dam near Wetumpka, Ala.	*	EMA	87,900	123,000	144,000	170,000	188,000	205,000	222,000	242,000
02412000	91	Tallapoosa River near Heflin, Ala.	1	EMA	7,470	11,400	14,500	18,900	22,600	26,600	31,000	37,600
				RRE	13,900	21,900	27,900	36,100	42,900	49,800	56,900	67,200
				Weighted	7,690	11,900	15,500	20,800	25,400	31,000	36,700	45,900
02412500	92	Tallapoosa River near Ofelia, Ala.	1	EMA	14,700	22,600	28,200	35,600	41,400	47,300	53,500	61,900
				RRE	20,300	31,600	40,200	51,800	61,400	71,200	81,400	96,000
				Weighted	14,800	22,900	28,800	36,800	43,500	50,600	58,000	69,100
02413300	93	Little Tallapoosa River near Newell, Ala.	1	EMA	6,890	11,000	14,000	18,400	22,000	25,800	29,900	35,900
				RRE	13,000	20,500	26,200	33,900	40,300	46,800	53,500	63,200
				Weighted	7,570	12,600	16,900	23,400	29,000	35,300	41,500	51,200
02413400	94	Wedowee Creek above Wedowee, Ala.	1	EMA	956	1,310	1,560	1,870	2,110	2,350	2,590	2,930
				RRE	851	1,470	1,940	2,580	3,080	3,610	4,150	4,890
				Weighted	923	1,360	1,710	2,200	2,600	3,060	3,510	4,190
02413400	94	Wedowee Creek above Wedowee, Ala.	Small stream	EMA	956	1,314	1,557	1,869	2,106	2,347	2,593	2,930
				RRE	1,190	2,120	2,920	3,960	4,760	5,520	6,300	7,390
				Weighted	963	1,380	1,790	2,560	3,240	3,770	4,230	4,560
02413475	95	Wedowee Creek near Wedowee, Ala.	1	EMA	2,910	4,000	4,620	5,290	5,740	6,140	6,500	6,920
				RRE	3,060	5,070	6,590	8,640	10,300	12,000	13,800	16,300
				Weighted	2,920	4,110	4,880	5,850	6,640	7,550	8,420	9,810
02413500	96	Little Tallapoosa River near Wedowee, Ala.	1	EMA	12,500	18,700	22,600	27,400	30,800	34,100	37,200	41,200
				RRE	16,700	26,200	33,300	43,000	51,000	59,200	67,700	79,900
				Weighted	13,100	19,200	23,500	29,500	34,500	40,100	45,500	53,700
02414500	97	Tallapoosa River at Wadley, Ala.	*	EMA	27,200	40,700	51,200	66,000	78,300	91,800	106,000	128,000
02414800	98	Harbuck Creek near Hackneyville, Ala.	1	EMA	1,150	2,020	2,760	3,940	4,990	6,220	7,640	9,880
				RRE	940	1,620	2,140	2,830	3,390	3,960	4,550	5,370
				Weighted	1,120	1,950	2,610	3,580	4,390	5,200	6,130	7,350
02414800	98	Harbuck Creek near Hackneyville, Ala.	Small stream	EMA	1,147	2,015	2,763	3,935	4,990	6,217	7,642	9,880
				RRE	1,280	2,290	3,150	4,280	5,150	5,990	6,860	8,060
				Weighted	1,150	2,060	2,890	4,140	5,100	6,050	7,040	8,550

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
02415000	99	Hillabee Creek near Hackneyville, Ala.	1	EMA	7,720	11,500	14,100	17,500	20,100	22,800	25,500	29,300
				RRE	7,820	12,600	16,200	21,000	25,000	29,000	33,300	39,200
				Weighted	7,740	11,700	14,600	18,500	21,600	25,100	28,600	33,800
02418230	100	Sougahatchee Creek at Co Rd 188 nr Loachap	1	EMA	3,260	5,760	7,860	11,100	13,900	17,100	20,700	26,300
				RRE	4,060	6,680	8,640	11,300	13,500	15,700	18,000	21,200
				Weighted	3,340	5,900	8,010	11,200	13,800	16,600	19,500	23,700
02418500	101	Tallapoosa River below Tallassee, Ala.	*	EMA	26,700	54,100	75,200	104,100	126,000	149,000	172,000	203,000
02418760	102	Chewacla Creek at Chewacla State Park nr Auburn	4	EMA	2,419	4,625	6,463	9,207	11,550	14,150	17,030	21,280
				RRE	2,110	3,900	5,490	7,750	9,700	11,800	14,200	17,800
				Weighted	2,240	4,050	5,600	7,870	9,870	12,000	14,500	18,200
02419000	103	Uphapee Creek near Tuskegee, Ala.	4	EMA	8,435	15,420	20,900	28,670	35,000	41,750	48,940	59,140
				RRE	6,550	12,100	16,800	23,500	29,300	35,900	43,400	54,700
				Weighted	8,020	14,200	18,700	25,400	31,500	38,100	45,400	56,500
02419625	104	Calebee Creek near Tuskegee, Ala.	3	EMA	4,034	8,800	13,200	20,290	26,760	34,300	43,020	56,580
				RRE	4,940	9,090	12,800	18,100	22,600	27,300	32,600	40,300
				Weighted	4,280	8,960	12,900	18,400	22,900	27,800	33,200	41,100
02420000	105	Alabama River near Montgomery, Ala.	*	EMA	115,000	157,000	186,000	225,000	254,000	285,000	316,000	360,000
02420500	106	Autauga Creek at Prattville, Ala.	2	EMA	1,950	3,860	5,720	8,960	12,200	16,200	21,300	30,000
				RRE	4,440	7,330	9,600	12,700	15,200	17,900	20,700	24,800
				Weighted	2,070	4,250	6,520	10,400	13,800	17,300	20,900	26,100
02421000	107	Catoma Creek near Montgomery, Ala.	3	EMA	9,330	16,870	23,360	33,460	42,480	52,900	64,900	83,560
				RRE	7,500	13,900	19,700	28,200	35,600	43,700	52,800	66,200
				Weighted	9,200	16,300	21,900	30,300	37,200	45,900	55,100	69,200
02422000	108	Big Swamp Creek near Lowndesboro, Ala.	3	EMA	6,992	13,690	19,580	28,800	37,050	46,540	57,440	74,260
				RRE	6,890	12,800	18,100	25,800	32,500	39,700	47,900	59,800
				Weighted	6,980	13,400	18,800	26,800	33,300	41,000	49,300	61,800

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
02422500	109	Mulberry Creek at Jones, Ala.	2	EMA	5,680	9,730	13,300	19,000	24,200	30,300	37,700	49,400
				RRE	6,340	10,500	13,800	18,300	21,900	25,800	29,900	35,800
				Weighted	5,690	9,770	13,400	18,800	23,400	28,200	33,500	41,500
02423380	110	Cahaba River near Mountain Brook, Ala.	1	EMA	7,030	11,400	14,500	18,800	22,300	25,800	29,600	34,900
				RRE	6,380	10,300	13,300	17,300	20,600	24,000	27,500	32,400
				Weighted	6,940	11,200	14,300	18,500	21,900	25,300	28,900	33,900
02423500	111	Cahaba River near Acton, Ala.	1	EMA	8,550	13,800	17,900	23,800	28,700	34,100	40,100	48,900
				RRE	8,890	14,200	18,200	23,700	28,200	32,700	37,500	44,200
				Weighted	8,660	13,900	18,000	23,800	28,400	33,300	38,500	45,600
02423555	112	Cahaba River near Helena, Ala.	1	EMA	10,600	16,100	20,300	26,100	31,000	36,200	41,800	50,000
				RRE	11,400	18,100	23,200	30,000	35,700	41,500	47,500	56,000
				Weighted	10,800	16,700	21,300	27,700	33,100	39,000	45,000	53,700
02423630	113	Shades Creek near Greenwood, Ala.	1	EMA	3,900	5,130	5,970	7,060	7,900	8,760	9,650	10,900
				RRE	4,100	6,740	8,720	11,400	13,600	15,800	18,100	21,400
				Weighted	3,920	5,390	6,590	8,370	9,940	11,800	13,600	16,500
02424000	114	Cahaba River at Centreville, Ala.	1	EMA	28,900	47,700	61,300	79,600	93,800	108,000	123,000	144,000
				RRE	24,100	37,400	47,400	61,000	72,300	83,800	95,800	113,000
				Weighted	28,400	46,600	59,200	76,200	89,300	102,000	116,000	135,000
02424010	115	Sandy Creek near Centreville, Ala.	2	EMA	194	321	424	578	710	859	1,030	1,280
				RRE	154	242	310	404	472	562	651	785
				Weighted	190	304	385	486	560	648	746	905
02424010	115	Sandy Creek near Centreville, Ala.	Small stream	EMA	187	300	389	519	629	751	886	1,087
				RRE	356	617	836	1,090	1,270	1,420	1,560	1,750
				Weighted	194	335	493	774	994	1,160	1,310	1,470
02424500	116	Cahaba River at Sprott, Ala.	2	EMA	24,800	43,800	60,000	85,300	108,000	134,000	164,000	211,000
				RRE	21,400	36,100	47,800	63,700	76,800	90,000	104,000	125,000
				Weighted	24,600	42,700	56,900	75,900	90,900	105,000	122,000	149,000

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
02425000	117	Cahaba River near Marion Junction, Ala.	2	EMA	25,400	41,500	54,500	73,600	90,000	108,000	129,000	159,000
				RRE	25,200	42,600	56,400	75,200	90,800	106,000	123,000	147,000
				Weighted	25,400	41,600	54,700	73,900	90,200	107,000	126,000	154,000
02425500	118	Cedar Creek at Minter, Ala.	3	EMA	7,932	13,540	18,280	25,560	32,030	39,450	47,990	61,230
				RRE	6,420	11,900	16,800	23,900	30,000	36,700	44,100	55,000
				Weighted	7,760	13,000	17,500	24,400	30,400	37,300	44,700	55,900
02425655	119	Mush Creek near Selma, Ala.	3	EMA	4,269	7,480	10,180	14,310	17,940	22,090	26,820	34,080
				RRE	2,980	5,430	7,570	10,500	13,000	15,500	18,200	22,000
				Weighted	4,100	6,930	8,970	11,900	14,000	16,900	19,500	23,700
02426000	120	Boguechitto Creek near Browns, Ala.	3	EMA	4,292	7,590	10,250	14,150	17,440	21,070	25,070	30,960
				RRE	4,340	7,970	11,200	15,800	19,600	23,600	28,100	34,500
				Weighted	4,300	7,710	10,800	15,300	19,200	23,100	27,700	34,000
02427250	121	Pine Barren Creek near Snow Hill, Ala.	3	EMA	7,349	13,080	18,170	26,320	33,840	42,750	53,290	70,210
				RRE	7,120	13,200	18,700	26,700	33,700	41,200	49,700	62,300
				Weighted	7,320	13,100	18,500	26,600	33,700	41,400	50,000	62,900
02427300	122	Prairie Creek near Oak Hill, Ala.	4	EMA	1,029	1,394	1,650	1,993	2,261	2,541	2,835	3,248
				RRE	910	1,700	2,380	3,350	4,190	5,110	6,130	7,620
				Weighted	1,000	1,520	2,080	2,900	3,490	4,140	4,890	5,750
02427300	122	Prairie Creek near Oak Hill, Ala.	Small stream	EMA	1,029	1,394	1,650	1,993	2,261	2,541	2,835	3,248
				RRE	1,450	2,600	3,590	4,900	5,920	6,900	7,930	9,370
				Weighted	1,040	1,480	1,960	2,920	3,810	4,490	5,100	5,530
02427700	123	Turkey Creek at Kimbrough, Ala.	3	EMA	4,349	7,874	11,050	16,230	21,060	26,840	33,770	45,000
				RRE	4,390	8,060	11,300	15,900	19,800	23,900	28,400	35,000
				Weighted	4,350	7,930	11,200	16,000	20,000	24,400	29,100	36,100
02427875	124	Pursley Creek near Camden, Ala.	4	EMA	3,396	5,250	6,757	9,014	10,970	13,200	15,720	19,580
				RRE	2,580	4,780	6,650	9,350	11,700	14,300	17,200	21,500
				Weighted	3,140	4,980	6,680	9,290	11,600	14,100	16,900	21,100
02428500	125	Big Flat Creek near Fountain, Ala.	4	EMA	4,774	9,435	13,920	21,620	29,150	38,510	50,090	69,620
				RRE	5,490	10,100	14,200	19,900	24,900	30,400	36,700	46,100
				Weighted	5,070	9,900	14,200	20,100	25,300	31,200	37,900	48,300

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
02429000	126	Limestone Creek near Monroeville, Ala.	4	EMA	3,835	7,342	10,540	15,770	20,660	26,510	33,480	44,740
				RRE	3,660	6,760	9,480	13,300	16,700	20,300	24,600	30,800
				Weighted	3,760	6,950	9,690	13,600	17,300	21,200	25,800	32,800
02437800	135	Barn Creek near Hackleburg, Ala.	1	EMA	1,310	2,390	3,340	4,850	6,230	7,840	9,720	12,700
				RRE	1,310	2,230	2,930	3,870	4,630	5,410	6,220	7,340
				Weighted	1,310	2,380	3,310	4,760	6,050	7,490	9,140	11,600
02437800	135	Barn Creek near Hackleburg, Ala.	Small stream	EMA	1,305	2,389	3,340	4,852	6,226	7,836	9,717	12,690
				RRE	1,630	2,940	4,060	5,550	6,730	7,890	9,090	10,800
				Weighted	1,340	2,540	3,700	5,360	6,640	7,880	9,190	11,200
02438000	136	Buttahatchee River below Hamilton, Ala.	1	EMA	14,900	21,300	25,500	30,700	34,500	38,200	41,900	46,800
				RRE	10,100	16,000	20,500	26,600	31,700	36,800	42,100	49,700
				Weighted	14,500	20,900	25,000	30,200	34,100	38,000	41,900	47,400
02439000	137	Buttahatchee River near Sulligent, Ala.	2	EMA	15,600	25,500	32,600	42,000	49,300	56,600	64,200	74,400
				RRE	10,900	18,100	23,900	31,800	38,200	44,800	51,900	62,200
				Weighted	15,300	24,800	31,200	39,300	45,500	51,500	58,400	68,500
02442000	141	Luxapallila Creek near Fayette, Ala.	2	EMA	5,790	8,210	9,890	12,100	13,800	15,600	17,400	20,000
				RRE	4,780	7,890	10,300	13,700	16,400	19,300	22,300	26,800
				Weighted	5,770	8,200	9,920	12,300	14,300	16,600	18,900	22,100
02442500	142	Luxapallila Creek at Millport, Ala.	2	EMA	6,910	10,000	12,200	15,100	17,400	19,700	22,200	25,600
				RRE	7,190	11,900	15,700	20,800	24,900	29,300	34,000	40,700
				Weighted	6,920	10,100	12,400	15,800	18,600	21,900	25,300	29,800
02444000	145	Coal Fire Creek nr Pickensville, Ala.	2	EMA	2,490	4,860	7,030	10,600	13,800	17,800	22,400	29,800
				RRE	4,680	7,730	10,100	13,400	16,000	18,900	21,900	26,200
				Weighted	2,650	5,340	7,930	12,000	15,100	18,600	22,000	27,000
02445000	146	Lubbub Creek nr Carrollton, Ala.	2	EMA	2,630	5,190	7,590	11,600	15,400	20,100	25,700	35,000
				RRE	4,340	7,170	9,390	12,400	14,800	17,500	20,200	24,300
				Weighted	2,870	5,750	8,360	12,100	15,000	18,100	21,200	26,100
02445245	147	New River near Winfield, Ala.	2	EMA	3,780	5,700	7,020	8,730	10,000	11,400	12,700	14,500
				RRE	2,900	4,750	6,210	8,200	9,770	11,500	13,300	16,000
				Weighted	3,730	5,600	6,880	8,580	9,920	11,400	13,000	15,200

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
02445500	148	Sipsey River at Fayette, Ala.	2	EMA	7,680	12,300	15,800	20,700	24,800	29,100	33,800	40,500
				RRE	7,820	13,000	17,100	22,700	27,200	32,000	37,000	44,400
				Weighted	7,690	12,300	16,000	21,200	25,500	30,300	35,300	42,400
02446500	149	Sipsey River nr Elrod, Ala.	2	EMA	8,840	14,300	18,200	23,400	27,200	31,200	35,200	40,600
				RRE	11,700	19,500	25,700	34,200	41,100	48,200	55,900	66,900
				Weighted	8,900	14,500	18,600	24,600	29,500	35,000	40,600	47,800
02447000	150	Sipsey River near Pleasant Ridge, Ala.	2	EMA	8,780	14,800	19,600	26,800	32,900	39,700	47,300	58,800
				RRE	14,800	24,900	32,800	43,700	52,600	61,700	71,500	85,600
				Weighted	9,170	16,200	22,500	33,200	42,200	52,200	62,100	75,600
02448500	155	Noxubee River nr Geiger, Ala.	3	EMA	13,370	22,100	29,970	42,850	54,980	69,680	87,480	116,800
				RRE	14,400	27,200	38,900	56,800	72,900	91,200	112,000	144,000
				Weighted	13,400	22,900	33,200	51,200	68,900	86,300	108,000	140,000
02448900	157	Bodka Creek near Geiger, Ala.	3	EMA	8,417	12,760	15,760	19,640	22,590	25,560	28,580	32,670
				RRE	5,560	10,300	14,500	20,500	25,700	31,200	37,400	46,400
				Weighted	8,120	12,100	15,200	20,200	24,900	29,600	35,300	43,000
02449245	158	Brush Creek near Eutaw, Ala.	2	EMA	2,410	3,740	4,770	6,260	7,510	8,880	10,400	12,600
				RRE	2,370	3,870	5,050	6,670	7,930	9,360	10,800	13,000
				Weighted	2,410	3,750	4,820	6,390	7,690	9,130	10,600	12,800
02449400	159	Jones Creek near Epes, Ala.	3	EMA	2,198	2,970	3,515	4,243	4,815	5,411	6,038	6,920
				RRE	1,550	2,790	3,850	5,260	6,360	7,440	8,570	10,100
				Weighted	2,150	2,930	3,660	4,850	5,970	6,870	7,970	9,350
02449400	159	Jones Creek near Epes, Ala.	Small stream	EMA	2,198	2,970	3,515	4,243	4,815	5,411	6,038	6,920
				RRE	1,550	2,790	3,850	5,260	6,360	7,440	8,570	10,100
				Weighted	2,180	2,950	3,580	4,640	5,580	6,470	7,350	8,350
02450000	160	Mulberry Fork near Garden City, Ala.	1	EMA	25,400	39,100	48,400	60,100	68,700	77,300	85,800	97,000
				RRE	12,100	19,200	24,500	31,700	37,700	43,700	50,100	59,100
				Weighted	21,800	32,300	38,700	46,600	52,400	57,400	63,600	71,300
02450180	161	Mulberry Fork near Arkadelphia, Ala.	1	EMA	17,700	28,400	35,900	46,000	53,700	61,500	69,600	80,600
				RRE	14,700	23,100	29,400	38,100	45,200	52,400	60,000	70,800
				Weighted	16,800	26,100	32,500	41,100	48,000	54,900	62,400	72,900

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
02450200	162	Dorsey Creek near Arkadelphia, Ala.	1	EMA	1,560	2,240	2,700	3,290	3,730	4,180	4,650	5,270
				RRE	1,300	2,220	2,920	3,850	4,610	5,390	6,190	7,300
				Weighted	1,530	2,240	2,730	3,390	3,910	4,470	5,050	5,900
02450200	162	Dorsey Creek near Arkadelphia, Ala.	Small stream	EMA	1,564	2,237	2,695	3,285	3,732	4,185	4,646	5,272
				RRE	1,630	2,920	4,050	5,530	6,710	7,850	9,050	10,700
				Weighted	1,570	2,310	2,980	4,180	5,220	6,090	6,910	7,660
02450250	163	Sipsey Fork near Grayson, Ala.	1	EMA	6,940	9,960	12,000	14,500	16,400	18,200	20,100	22,600
				RRE	4,820	7,880	10,200	13,300	15,800	18,400	21,100	24,900
				Weighted	6,620	9,590	11,600	14,200	16,200	18,300	20,500	23,700
02450825	164	Clear C at New Hope Church nr Poplar Sprin	1	EMA	4,770	6,950	8,420	10,300	11,700	13,100	14,500	16,400
				RRE	5,130	8,360	10,800	14,100	16,800	19,500	22,400	26,400
				Weighted	4,780	7,010	8,540	10,500	12,100	13,800	15,400	18,000
02453950	165	Lost Creek near Jasper, Ala.	1	EMA	6,200	9,030	10,900	13,400	15,200	17,100	18,900	21,400
				RRE	5,590	9,090	11,700	15,300	18,200	21,200	24,300	28,600
				Weighted	6,120	9,040	11,100	13,900	16,200	18,700	21,100	24,700
02454000	166	Lost Creek near Oakman, Ala.	1	EMA	4,970	7,340	9,110	11,600	13,600	15,700	18,100	21,400
				RRE	6,190	10,000	12,900	16,800	20,000	23,300	26,700	31,500
				Weighted	5,090	7,620	9,560	12,400	14,700	17,300	20,100	24,300
02454055	167	Lost Creek above Parrish, Ala.	1	EMA	5,590	7,920	9,640	12,000	13,900	16,000	18,200	21,300
				RRE	6,470	10,500	13,500	17,500	20,900	24,300	27,800	32,800
				Weighted	5,660	8,110	9,940	12,500	14,600	17,100	19,600	23,400
02455000	168	Locust Fork near Cleveland, Ala.	1	EMA	10,600	15,200	18,500	22,800	26,200	29,700	33,300	38,400
				RRE	10,700	17,000	21,800	28,200	33,500	38,900	44,600	52,600
				Weighted	10,600	15,400	18,900	23,600	27,600	31,800	36,200	42,900
02455500	169	Locust Fork at Trafford, Ala.	1	EMA	23,800	34,100	41,400	51,200	58,900	67,000	75,400	87,300
				RRE	17,300	27,100	34,500	44,500	52,800	61,300	70,100	82,700
				Weighted	22,900	32,700	39,600	49,000	56,600	64,500	72,900	84,900
02456000	170	Turkey Creek at Morris, Ala.	1	EMA	6,220	9,820	12,200	15,300	17,600	19,800	22,000	24,800
				RRE	4,420	7,240	9,370	12,200	14,600	17,000	19,500	23,000
				Weighted	6,140	9,680	12,000	15,000	17,300	19,400	21,600	24,400

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
02456500	171	Locust Fork at Sayre, Ala.	1	EMA	23,200	33,500	40,300	48,700	54,900	61,000	67,000	74,900
				RRE	21,900	34,000	43,100	55,500	65,800	76,300	87,300	103,000
				Weighted	23,100	33,600	40,700	49,800	57,100	64,800	72,700	84,200
02462000	164	Valley Creek near Oak Grove, Ala.	1	EMA	7,910	12,100	15,400	20,200	24,200	28,600	33,400	40,700
				RRE	6,620	10,700	13,800	17,900	21,300	24,800	28,400	33,600
				Weighted	7,580	11,700	14,800	19,200	22,700	26,400	30,400	36,000
02462600	173	Blue Creek near Oakman, Ala.	1	EMA	1,400	2,410	3,150	4,170	4,960	5,790	6,640	7,810
				RRE	718	1,250	1,650	2,190	2,630	3,070	3,530	4,170
				Weighted	1,300	2,210	2,840	3,700	4,340	4,940	5,590	6,370
02462600	173	Blue Creek near Oakman, Ala.	Small stream	EMA	1,398	2,407	3,154	4,167	4,962	5,785	6,638	7,813
				RRE	1,050	1,870	2,570	3,460	4,150	4,790	5,450	6,360
				Weighted	1,370	2,340	3,020	3,900	4,570	5,270	6,020	7,140
02462800	174	Davis Creek below Abernant, Ala.	1	EMA	2,220	3,220	3,960	4,960	5,770	6,630	7,540	8,850
				RRE	3,000	4,980	6,470	8,480	10,100	11,800	13,500	16,000
				Weighted	2,340	3,610	4,700	6,270	7,610	9,180	10,700	13,000
02463500	175	Hurricane Creek near Holt, Ala.	1	EMA	5,260	8,450	11,000	14,600	17,600	21,000	24,600	30,100
				RRE	5,360	8,730	11,300	14,700	17,500	20,400	23,300	27,500
				Weighted	5,270	8,480	11,000	14,600	17,600	20,800	24,100	29,000
02464000	176	North River near Samantha, Ala.	1	EMA	8,300	11,900	14,500	18,100	20,900	24,000	27,200	31,700
				RRE	8,700	13,900	17,900	23,200	27,600	32,100	36,800	43,400
				Weighted	8,340	12,100	14,900	18,900	22,000	25,600	29,300	34,800
02464146	177	Turkey Creek near Tuscaloosa	1	EMA	701	1,310	1,870	2,790	3,660	4,710	5,970	8,040
				RRE	792	1,370	1,810	2,400	2,880	3,370	3,870	4,570
				Weighted	714	1,320	1,850	2,640	3,300	3,970	4,710	5,690
02464146	177	Turkey Creek near Tuscaloosa	Small stream	EMA	701	1,310	1,869	2,789	3,658	4,707	5,971	8,037
				RRE	1,130	2,010	2,770	3,740	4,490	5,200	5,920	6,930
				Weighted	718	1,410	2,150	3,340	4,250	5,080	5,930	7,210
02465000	178	Black Warrior River at Northport, Ala.	*	EMA	114,000	160,000	188,000	221,000	244,000	265,000	285,000	311,000

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
02465493	179	Elliotts Creek at Moundville, Ala.	2	EMA	568	1,260	2,000	3,360	4,790	6,660	9,110	13,500
				RRE	1,970	3,210	4,180	5,510	6,550	7,730	8,960	10,800
				Weighted	635	1,530	2,590	4,430	5,900	7,450	8,990	11,300
02465500	180	Fivemile Creek near Greensboro, Ala.	2	EMA	1,710	3,310	4,640	6,610	8,290	10,100	12,200	15,200
				RRE	3,320	5,460	7,140	9,440	11,300	13,300	15,400	18,400
				Weighted	1,840	3,640	5,270	7,790	9,850	12,100	14,300	17,400
02466030	181	Black Warrior River at Selden L & D near Eutaw, Ala.	*	EMA	76,100	112,000	136,000	166,000	187,000	208,000	229,000	256,000
02467000	182	Tombigbee R At Demopolis L&D near Coatopa, Ala.	*	EMA	153,000	195,000	221,000	250,000	271,000	291,000	310,000	334,000
02467500	184	Sucarnoochee River at Livingston, Ala.	3	EMA	7,628	13,860	19,380	28,180	36,240	45,750	56,930	74,750
				RRE	10,800	20,200	28,700	41,600	53,000	65,800	80,300	102,000
				Weighted	7,780	14,900	22,800	35,900	48,900	60,700	75,700	97,000
02468000	185	Alamuchee Creek near Cuba, Ala.	3	EMA	1,555	3,621	5,754	9,582	13,440	18,340	24,490	35,010
				RRE	3,520	6,430	9,000	12,600	15,600	18,700	22,000	26,900
				Weighted	2,050	5,070	8,080	12,100	15,400	18,700	22,200	27,400
02468500	186	Chickasaw Bogue near Linden, Ala.	3	EMA	13,850	19,990	24,520	30,780	35,840	41,240	47,040	55,390
				RRE	7,070	13,100	18,500	26,500	33,400	40,900	49,300	61,700
				Weighted	13,400	18,800	22,400	28,600	34,200	41,000	48,700	60,000
02469000	187	Kinterbish Creek near York, Ala.	3	EMA	1,868	4,193	6,675	11,330	16,240	22,730	31,250	46,590
				RRE	4,240	7,780	10,900	15,400	19,100	23,000	27,300	33,600
				Weighted	2,430	6,360	10,200	15,100	19,000	23,000	27,400	33,900
02469500	188	Tuckabum Creek near Butler, Ala.	3	EMA	3,713	8,090	12,470	20,170	27,830	37,440	49,430	69,770
				RRE	4,760	8,760	12,300	17,400	21,700	26,200	31,200	38,500
				Weighted	3,930	8,450	12,300	17,700	22,000	26,800	32,000	39,700
02469550	189	Horse Creek near Sweetwater, Ala.	3	EMA	3,689	7,291	10,470	15,460	19,940	25,100	31,030	40,180
				RRE	3,470	6,330	8,860	12,400	15,300	18,400	21,700	26,400
				Weighted	3,650	6,940	9,590	13,400	16,200	19,800	23,200	28,500

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
02469700	191	Okatuppa Creek at Gilbertown, Ala.	4	EMA	4,568	7,083	9,042	11,870	14,240	16,840	19,710	23,970
				RRE	4,100	7,580	10,600	14,900	18,700	22,800	27,500	34,500
				Weighted	4,390	7,390	10,200	14,400	17,900	21,600	26,000	32,200
02469761	192	Tombigbee R at Coffeeville L&D nr Coffeeville, Ala.	*	EMA	146,000	190,000	214,000	240,000	257,000	272,000	286,000	302,000
02469800	193	Satilpa Creek near Coffeeville, Ala.	3	EMA	4,557	8,575	12,460	19,190	25,850	34,230	44,750	62,800
				RRE	5,670	10,500	14,700	20,900	26,200	31,900	38,200	47,400
				Weighted	4,630	9,050	13,600	20,400	26,200	32,200	38,800	48,700
02470072	194	Bassett Creek at US Highway 43 nr Thomasville, Ala.	4	EMA	1,191	1,601	1,886	2,262	2,553	2,853	3,166	3,602
				RRE	913	1,700	2,400	3,400	4,250	5,160	6,200	7,700
				Weighted	1,100	1,630	2,150	3,010	3,640	4,330	5,130	6,060
02470072	194	Bassett Creek at US Highway 43 nr Thomasville, Ala.	Small stream	EMA	1,191	1,601	1,886	2,262	2,553	2,853	3,166	3,602
				RRE	1,470	2,630	3,630	4,950	5,980	6,980	8,020	9,470
				Weighted	1,200	1,650	2,100	3,090	4,030	4,790	5,450	5,960
02470100	195	Bassett Creek at Walker Springs, Ala.	4	EMA	5,602	9,478	12,380	16,370	19,540	22,870	26,370	31,260
				RRE	4,800	8,850	12,400	17,400	21,800	26,600	32,100	40,400
				Weighted	5,280	9,100	12,400	17,200	21,300	25,800	30,800	38,000
02471001	196	Chickasaw Creek near Kushla, Ala.	4	EMA	4,650	8,738	12,240	17,650	22,430	27,880	34,080	43,580
				RRE	3,730	6,890	9,650	13,600	17,000	20,700	25,000	31,400
				Weighted	4,420	7,880	10,600	14,600	18,400	22,400	27,100	34,400
02479431	210	Pond Creek near Deer Park, Ala.	4	EMA	1,540	2,449	3,134	4,088	4,861	5,688	6,572	7,840
				RRE	1,330	2,470	3,480	4,930	6,170	7,490	9,010	11,200
				Weighted	1,470	2,460	3,370	4,730	5,830	7,020	8,380	10,200
02479560	211	Escatawpa River near Agricola, Miss.	4	EMA	9,622	15,120	19,370	25,440	30,490	36,000	42,020	50,870
				RRE	8,750	16,100	22,500	31,500	39,500	48,100	58,300	73,600
				Weighted	9,520	15,400	20,700	28,800	35,400	42,700	51,200	63,000
02479945	212	Big Creek at County Rd 63 near Wilmer, Ala.	4	EMA	1,113	2,469	3,750	5,863	7,830	10,160	12,910	17,250
				RRE	1,700	3,160	4,450	6,280	7,870	9,560	11,500	14,400
				Weighted	1,400	2,980	4,350	6,240	7,870	9,620	11,600	14,700

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
02479980	213	Crooked Creek near Fairview, Ala.	4	EMA	693	1,101	1,407	1,830	2,172	2,535	2,923	3,475
				RRE	786	1,470	2,070	2,930	3,670	4,460	5,350	6,640
				Weighted	718	1,280	1,830	2,630	3,220	3,880	4,630	5,590
02479980	213	Crooked Creek near Fairview, Ala.	Small stream	EMA	693	1,101	1,407	1,830	2,172	2,535	2,923	3,475
				RRE	1,290	2,300	3,180	4,310	5,190	6,040	6,910	8,120
				Weighted	711	1,200	1,740	2,770	3,670	4,400	5,060	5,680
03572110	218	Crow Creek at Bass	1	EMA	9,050	12,500	14,900	18,000	20,400	22,800	25,200	28,600
				RRE	6,100	9,890	12,700	16,600	19,800	23,000	26,300	31,100
				Weighted	8,580	12,200	14,600	17,800	20,300	22,800	25,400	29,200
03572900	219	Town Creek near Geraldine, Ala.	1	EMA	8,600	12,700	15,500	19,100	21,700	24,400	27,200	30,800
				RRE	6,410	10,400	13,400	17,400	20,700	24,100	27,600	32,500
				Weighted	8,040	12,100	14,900	18,600	21,400	24,300	27,300	31,500
03573000	220	Short Creek near Albertville, Ala.	1	EMA	6,420	10,300	13,400	17,900	21,800	26,100	30,900	38,100
				RRE	4,800	7,850	10,100	13,200	15,800	18,400	21,000	24,800
				Weighted	6,180	9,930	12,800	17,000	20,600	24,200	28,300	33,900
03574500	221	Paint Rock River near Woodville, Ala.	1	EMA	16,700	26,200	32,900	41,700	48,500	55,400	62,500	72,100
				RRE	11,100	17,600	22,500	29,200	34,700	40,300	46,100	54,400
				Weighted	15,900	24,900	31,200	39,600	46,000	52,200	58,700	67,300
03575000	223	Flint River near Chase, Ala.	1	EMA	16,200	30,600	42,800	61,100	77,000	94,800	115,000	145,000
				RRE	11,600	18,400	23,500	30,400	36,200	42,000	48,100	56,700
				Weighted	15,900	29,300	39,900	54,800	66,500	77,600	90,100	105,000
03575100	224	Flint River at Brownsboro, Ala.	1	EMA	17,000	30,200	40,400	54,900	66,600	79,100	92,500	111,000
				RRE	12,300	19,500	24,900	32,300	38,300	44,500	50,900	60,100
				Weighted	16,700	29,500	39,000	52,000	61,900	71,500	81,800	94,900
03575500	225	Tennessee River at Whitesburg, Ala.	*	EMA	203,000	254,000	276,000	297,000	308,000	316,000	323,000	329,000
03576250	226	Limestone Creek near Athens, Ala.	1	EMA	7,280	12,800	17,200	23,300	28,300	33,600	39,400	47,600
				RRE	5,720	9,290	12,000	15,600	18,600	21,600	24,800	29,300
				Weighted	7,070	12,200	16,000	21,000	24,900	28,500	32,600	37,800

Appendix 1. Annual exceedance probability flows for U.S. Geological Survey streamgages used in this analysis.—Continued

[USGS, U.S. Geological Survey; ft³/s, cubic foot per second; Ala., Alabama; EMA, expected moments algorithm; RRE, regional regression equations; *, large or regulated streamgage that required separate analysis]

USGS station number (pl. 1)	Site number (fig. 1)	USGS streamgage name	Flood region (fig. 2)	Method	Annual exceedance probability flow (ft ³ /s)							
					50 percent	20 percent	10 percent	4 percent	2 percent	1 percent	0.5 percent	0.2 percent
03576500	227	Flint Creek near Falkville, Ala.	1	EMA	5,240	7,730	9,570	12,100	14,200	16,400	18,700	22,100
				RRE	4,620	7,550	9,760	12,800	15,200	17,700	20,300	23,900
				Weighted	5,140	7,700	9,600	12,200	14,500	16,800	19,300	22,900
03577110	228	West Flint Creek near Hartselle, Ala.	1	EMA	4,800	8,080	10,600	14,000	16,700	19,700	22,700	27,100
				RRE	6,910	11,200	14,400	18,700	22,200	25,900	29,600	35,000
				Weighted	5,020	8,570	11,500	15,400	18,600	22,300	25,800	31,200
03586500	231	Big Nance Creek at Courtland, Ala.	1	EMA	6,120	9,420	11,700	14,800	17,200	19,600	22,100	25,500
				RRE	7,150	11,500	14,800	19,300	22,900	26,700	30,600	36,100
				Weighted	6,210	9,580	12,000	15,300	17,900	20,700	23,600	27,900
03589500	234	Tennessee River at Florence, Ala.	*	EMA	262,000	328,000	364,000	402,000	426,000	447,000	465,000	487,000
03590000	235	Cypress Creek near Florence, Ala.	1	EMA	9,260	16,300	21,800	29,600	35,900	42,600	49,800	60,100
				RRE	8,340	13,400	17,200	22,300	26,500	30,800	35,300	41,700
				Weighted	9,140	15,800	20,800	27,600	32,800	37,900	43,600	51,000
03591800	236	Bear Creek near Hackleburg, Ala.	1	EMA	7,420	11,500	14,400	18,200	21,000	23,900	26,800	30,800
				RRE	6,470	10,500	13,500	17,500	20,900	24,300	27,800	32,800
				Weighted	7,300	11,300	14,200	18,000	21,000	24,100	27,300	32,000
03592200	237	Cedar Creek near Pleasant Site, Ala.	2	EMA	8,420	12,800	15,900	20,000	23,300	26,600	30,100	35,000
				RRE	6,060	10,000	13,200	17,500	20,900	24,600	28,500	34,200
				Weighted	8,290	12,500	15,500	19,300	22,500	25,700	29,300	34,600
03592300	238	Little Bear Creek near Halltown, Ala.	2	EMA	3,710	6,070	8,010	10,900	13,500	16,400	19,700	24,800
				RRE	3,450	5,680	7,430	9,820	11,700	13,800	16,000	19,200
				Weighted	3,690	6,020	7,870	10,500	12,600	14,800	17,200	20,900
03592500	239	Bear Creek at Bishop, Ala.	2	EMA	15,800	24,400	30,700	39,200	46,000	53,100	60,600	71,100
				RRE	13,500	22,700	29,900	39,800	47,900	56,200	65,100	78,000
				Weighted	15,700	24,300	30,600	39,300	46,500	54,200	62,400	74,000
0357479650	242	Hester Creek at Buddy Williamson Rd nr Plevna, Ala.	1	EMA	2,330	3,790	4,980	6,750	8,280	10,000	11,900	14,900
				RRE	2,430	4,060	5,290	6,940	8,290	9,670	11,100	13,100
				Weighted	2,340	3,820	5,040	6,800	8,280	9,870	11,600	14,000

Appendix 2

The following tables contain gage height and discharge (flow) data for streamgages in Alabama. The tables contain a brief description of the gage location, type of gage, gage datum (if known), drainage area in square miles, historical data, and explanatory remarks. Elevations are referenced to the National Geodetic Vertical Datum of 1929 (NGVD 29). The tables of peak stages and discharges show only the annual maximums. The qualification codes in the tables correspond to the peak data codes as used in the U.S. Geological Survey National Water Information System (NWIS).

The following qualification codes apply to the discharge data:

- 1 discharge is a maximum daily average;
- 2 discharge is an estimate;
- 4 discharge is less than indicated value, which is the minimum recordable discharge at this site;
- 5 discharge affected to unknown degree by regulation or diversion;
- 6 discharge affected by regulation or diversion;
- 7 discharge is a historic peak;
- A year of occurrence is unknown or not exact;
- B month or day of occurrence is unknown or not exact;
- E only maximum peak available for this year.

The following qualification codes apply to the gage height data:

- 1 gage height affected by backwater;
- 2 gage height not the maximum for the year;
- 3 gage height at different datum or at different site and datum;
- 5 gage height is an estimate.

Appendix 2. Discharge and gage height data for streamgages in Alabama.

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02340750 Osanippa Creek near Fairfax

Location—Lat 32°47'20", long 85°11'30", in NW 1/4 sec. 25, T. 21 N., R. 28 E., Chambers County, Hydrologic Unit 03130002, at bridge on U.S. Highway 29, 1 mi southwest of Fairfax.

Drainage area—99.7 mi².

Gage—Crest-stage gage. Datum not available.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1953	May 1	3,500		7.80	
1954	Dec. 5	3,100		7.30	
1955	Apr. 14	1,320		5.20	
1956	Sept. 26	8,000		11.70	
1957	Dec. 24	5,300		9.70	
1958	Feb. 6	1,800		5.80	
1959	Mar. 22	4,100		8.40	
1960	Apr. 3	5,800		10.20	
1961	Feb. 25	19,500		16.08	
1962	Apr. 12	4,290		8.66	
1963	Nov. 22	4,250		8.61	
1964	Apr. 8	3,860		8.18	
1965	Oct. 5	4,490		8.88	
1966	Feb. 13	4,020		8.36	
1967	Feb. 6	1,670		5.65	
1968	Mar. 11	3,100		7.33	
1969	Apr. 19	3,700		8.00	
1970	Mar. 19	5,250		9.65	
1971	Mar. 3	6,800		10.86	
1972	Jan. 11	3,380		7.65	
1973	Feb. 2	3,930		8.26	
1974	May 24	2,990		7.21	

02342200 Phelps Creek near Opelika

Location—Lat 32°33'49", long 85°16'36", in SW 1/4 sec. 7, T. 18 N., R. 28 E., Lee County, Hydrologic Unit 03130003, on county road, 1 mi upstream from mouth, and 9 mi southeast of Opelika.

Drainage area—6.67 mi².

Gage—Water-stage recorder, 1959–68. Crest-stage gage 1969–74. Datum of gage is 530 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1959	Feb. 4	247		6.50	
1960	Apr. 3	668		8.13	
1961	Feb. 24	1,210		8.81	
1962	Mar. 10	766		8.28	
1963	Mar. 6	585		7.99	
1964	Apr. 8	3,030		9.85	
1965	Oct. 5	822		8.36	
1966	Sept. 13	1,560		9.14	
1967	Sept. 3	515		7.85	
1968	Mar. 11	1,060		8.66	
1969	Mar. 24	1,000		8.60	
1970	Mar. 20	920		8.50	
1971	Mar. 2	1,500		9.10	
1972	Jan. 10	157		5.01	
1973	Dec. 21	1,560		9.14	
1974	Apr. 2	362		7.36	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02398300 Chattooga River above Gaylesville

Location—Lat 34°17'25", long 85°30'33", in NW 1/4 sec. 5, T. 9 S., R. 11 E., Cherokee County, Hydrologic Unit 03150105, on county road, 600 ft downstream from Mills Creek, 3.5 mi northeast of Gaylesville, and 20.1 mi upstream from mouth.

Drainage area—366 mi².

Gage—Water-stage recorder. Datum of gage is 562.11 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1938	Apr. 9	11,800	2	--	
1939	Mar. 1	8,350	2	--	
1940	Mar. 14	4,090	2	--	
1941	July 16	5,990	2	--	
1942	Feb. 17	7,420	2	--	
1943	Dec. 30	13,200	2	--	
1944	Mar. 29	10,300	2	--	
1945	Feb. 15	6,670	2	--	
1946	Feb. 11	17,700	2	--	
1947	Jan. 21	13,900	2	--	
1948	Feb. 14	11,800	2	--	
1949	Nov. 29	31,200	2	--	
1950	Mar. 14	12,400	2	--	
1951	Mar. 30	32,900	2	23.48	
1952	Mar. 12	14,300	2	--	
1953	Feb. 22	8,390	2	--	
1954	Jan. 17	9,470	2	--	
1955	Dec. 6	6,620	2	--	
1956	Apr. 17	6,790	2	--	
1957	Feb. 2	10,900	2	--	
1958	Nov. 20	11,200	2	--	
1959	Apr. 20	4,220	2	--	
1960	Mar. 30	4,050		13.93	
1961	Feb. 23	12,000		20.56	
1962	Jan. 28	11,500		20.34	
1963	Apr. 30	13,600		20.95	
1964	Mar. 26	13,300		20.85	
1965	Mar. 27	10,100		18.94	
1966	Mar. 5	16,500		22.03	
1967	Feb. 21	4,460		14.60	
1970	Apr. 27	5,620		16.35	
1971	Feb. 5	5,620		16.36	
1972	May 15	9,820		18.96	
1973	Mar. 18	12,500		20.25	
1974	Apr. 5	7,200		17.56	
1975	Sept. 24	9,100		18.60	
1976	Jan. 27	4,680		14.97	
1977	Apr. 5	12,800		20.42	

02398300 Chattooga River above Gaylesville—Continued

Location—Lat 34°17'25", long 85°30'33", in NW 1/4 sec. 5, T. 9 S., R. 11 E., Cherokee County, Hydrologic Unit 03150105, on county road, 600 ft downstream from Mills Creek, 3.5 mi northeast of Gaylesville, and 20.1 mi upstream from mouth.

Drainage area—366 mi².

Gage—Water-stage recorder. Datum of gage is 562.11 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1978	Nov. 7	8,720		18.43	
1979	Apr. 13	16,800		22.17	
1980	Mar. 22	10,600		19.38	
1981	Feb. 11	4,450		13.79	
1982	Jan. 4	17,000		22.23	
1983	Dec. 2	11,400		19.77	
1984	Apr. 4	8,120		18.12	
1985	Feb. 2	7,840		17.94	
1986	Feb. 19	3,180		10.88	
1987	Mar. 1	7,330		17.76	
1988	Jan. 21	6,660		17.15	
1989	Feb. 28	6,230		16.65	
1990	Feb. 17	23,300		24.25	
1991	Feb. 21	7,860		18.04	
1992	Feb. 26	6,710		16.95	
1993	Jan. 13	5,320		14.71	
1994	Mar. 29	12,500		20.55	
1995	Feb. 18	9,110		18.83	
1996	Jan. 27	11,600		20.14	
1997	Mar. 1	6,870		17.12	
1998	Apr. 17	6,830		17.08	
1999	Jan. 23	4,980		14.17	
2000	Apr. 5	7,700		17.91	
2001	Mar. 21	6,630		16.84	
2002	Jan. 25	6,130		16.17	
2003	May 7	10,600		19.65	
2004	Jan. 26	7,110		16.64	
2005	Nov. 25	9,020		18.44	
2006	Jan. 18	1,910		8.21	
2007	Nov. 16	4,020		12.04	
2008	Mar. 5	4,070		12.14	
2009	Sept. 22	13,000		20.78	
2010	Dec. 10	9,650		18.96	
2011	Mar. 11	8,980		18.41	
2012	Nov. 30	5,480		14.55	
2013	Jan. 16	8,790		18.25	
2014	Apr. 7	7,160		16.70	
2015	Jan. 4	4,170		12.35	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02399000 Little River near Jamestown

Location—Lat 34°23'51", long 85°37'36", in SW 1/4 sec. 30, T. 7 R. S., R. 10 E., Cherokee County, Hydrologic Unit 03150105, at site of former highway bridge, 0.2 mi upstream from Yellow Creek, 0.3 mi upstream from present highway bridge, and 2.5 mi west of Jamestown. **Drainage area**—125 mi².

Gage—Water-stage recorder 1923–32, 1936–49. Crest-stage gage 1951–67. Datum of gage is 1,177.4 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1929	Mar. 14	14,600		10.40	
1930	Nov. 14	11,900		9.38	
1931	Nov. 16	5,210		6.42	
1932	Jan. 30	9,830		8.62	
1936	Feb. 4	18,800		11.90	
1937	Jan. 2	11,100		9.09	
1938	Apr. 8	10,900		9.00	
1939	Feb. 28	9,830		8.57	
1940	Feb. 18	4,990		6.27	
1941	July 17	2,850		4.91	
1942	Feb. 17	5,380		6.52	
1943	Dec. 28	19,700		12.20	
1944	Feb. 27	8,350		7.97	
1945	Feb. 13	7,650		7.73	
1946	Jan. 8	17,900		11.56	
1947	Jan. 20	10,900		9.02	
1948	Feb. 12	7,650		7.70	
1949	Nov. 28	21,800		12.90	
1951	Mar. 29	19,700		12.20	
1952	Mar. 11	13,800		10.10	
1953	Feb. 21	5,210		6.40	
1954	Jan. 17	12,200		9.50	
1955	Apr. 14	13,500		10.00	
1956	Apr. 17	4,890		6.20	
1957	Feb. 1	8,830		8.20	
1958	July 9	7,010		7.40	
1959	Jan. 21	9,330		8.40	
1960	Mar. 30	2,050		4.20	
1961	Feb. 22	7,470		7.55	
1962	Dec. 18	13,000		9.92	
1964	Mar. 25	10,800		9.06	
1965	Mar. 26	9,110		8.32	
1966	Mar. 3	25,000		13.83	
1967	Feb. 20	10,100		8.76	

02399200 Little River near Blue Pond

Location—Lat 34°17'20", long 85°40'50", in NE 1/4 sec. 3, T. 9 S., R. 9 E., Cherokee County, Hydrologic Unit 03150105, at Canyon Mouth Park, 0.9 mi upstream from State Highway 176, 2.5 mi upstream from Wolf Creek, 4.2 mi northeast of Blue Pond, and 7.5 mi upstream from mouth.

Drainage area—199 mi².

Gage—Water-stage recorder. Datum of gage is 589.34 ft NGVD 29. Prior to Aug. 1, 1959, nonrecording gage on highway bridge 0.9 mi downstream at datum 15.45 ft lower. Prior to May 27, 1981, recording gage 0.7 mi downstream at datum 7.96 ft lower.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1929	Mar. 15	21,500	2,7	--	
1948	Feb. 12	7,650	7	7.70	3
1958	July 9	7,400	2	8.97	3
1959	Jan. 21	9,650		10.00	3
1960	Nov. 24	3,810		7.42	3
1961	Feb. 23	11,600		10.08	3
1962	Dec. 18	19,200		11.80	3
1963	Apr. 29	22,000		13.55	3
1964	Mar. 26	17,800		12.36	3
1965	Mar. 26	12,300		10.71	3
1966	Mar. 4	32,000		14.45	3
1967	Feb. 20	8,290		9.28	3
1968	Dec. 18	11,400		10.24	3
1969	May 18	17,100		11.77	3
1970	Dec. 31	9,250		9.59	3
1971	Feb. 5	10,100		9.85	3
1972	Jan. 4	11,000		10.12	3
1973	May 28	21,000		12.59	3
1974	Nov. 28	13,000		10.70	3
1975	Sept. 23	12,900		10.68	3
1976	July 5	14,600		11.15	3
1977	Mar. 30	15,400		11.34	3
1978	Nov. 5	18,200		12.02	3
1979	Apr. 13	31,100		14.30	3
1980	Mar. 21	21,800		12.74	3
1981	Mar. 31	10,000		9.90	3,6
1982	Jan. 4	22,000		12.08	
1983	Dec. 1	23,600		12.42	
1984	Nov. 28	16,400		10.85	
1985	July 24	53,800		16.98	
1986	Feb. 18	5,320		7.05	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02399200 Little River near Blue Pond—Continued

Location—Lat 34°17'20", long 85°40'50", in NE 1/4 sec. 3, T. 9 S.,

R. 9 E., Cherokee County, Hydrologic Unit 03150105, at Canyon Mouth Park, 0.9 mi upstream from State Highway 176, 2.5 mi upstream from Wolf Creek, 4.2 mi northeast of Blue Pond, and 7.5 mi upstream from mouth.

Drainage area—199 mi².

Gage—Water-stage recorder. Datum of gage is 589.34 ft NGVD 29.

Prior to Aug. 1, 1959, nonrecording gage on highway bridge 0.9 mi downstream at datum 15.45 ft lower. Prior to May 27, 1981, recording gage 0.7 mi downstream at datum 7.96 ft lower.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1987	Mar. 1	16,700		10.86	
1988	Jan. 20	20,800		11.81	
1989	June 15	10,700		9.16	
1990	Feb. 16	40,700		15.22	
1991	Feb. 19	12,800		9.79	
1992	Feb. 26	7,140		7.86	
1993	Nov. 4	7,510		8.01	
1994	Mar. 27	17,900		11.15	
1995	Feb. 16	14,700		10.34	
1996	Oct. 5	40,700		15.26	
1997	May 3	24,000		12.48	
1998	Jan. 7	18,200		11.22	
1999	Jan. 23	12,500		9.76	
2000	Apr. 4	13,400		10.03	
2001	Mar. 20	8,020		8.39	
2002	Jan. 25	13,000		9.91	
2003	May 6	24,700		12.62	
2004	Sept. 17	39,600		15.11	
2005	Nov. 24	21,500		11.96	
2006	Jan. 18	3,040		6.94	
2007	Nov. 16	4,640		7.45	
2008	Mar. 4	6,420		8.03	
2009	Sept. 21	23,600		12.35	
2010	Dec. 9	20,800		11.78	
2011	Mar. 9	17,900		11.14	
2012	Nov. 28	13,900		10.17	
2013	Jan. 15	11,900		9.65	
2014	Apr. 7	11,100		9.42	
2015	Jan. 4	6,160		7.91	

02400000 Terrapin Creek near Piedmont

Location—Lat 33°57'23", long 85°34'38", in NE 1/4 sec. 34, T.

12 S., R. 10 E., Calhoun County, Hydrologic Unit 03150105, on U.S. Highway 278 and State Highway 74, 0.5 mi upstream from Ladiga Creek, and 3 mi northeast of Piedmont.

Drainage area—116 mi².

Gage—Water-stage recorder. Datum of gage is 649.79 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1945	May 13	3,950		8.44	
1946	Mar. 28	14,600		12.03	
1947	Jan. 20	11,000		11.20	
1948	Feb. 7	3,830		8.30	
1949	Nov. 28	21,000		13.30	
1950	Nov. 28	5,900		9.60	
1951	Mar. 29	17,800		12.70	
1952	Mar. 23	10,000		11.00	
1953	Jan. 9	5,690		9.50	
1954	Jan. 16	12,000		11.54	
1955	Feb. 7	6,380		9.80	
1956	Mar. 17	4,790		9.00	
1957	Apr. 5	10,600		11.10	
1958	Sept. 21	5,160		9.20	
1959	Jan. 21	3,500		8.00	
1960	Jan. 31	2,310		6.40	
1961	Feb. 23	14,000		12.00	
1962	Dec. 12	10,900		11.32	
1963	Mar. 12	13,800		11.97	
1979	Mar. 3	17,600	2,7	--	--

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02400100 Terrapin Creek at Ellisville

Location—Lat 34°03'54", long 85°36'51", in SW 1/4 sec. 20, T. 11 S., R. 10 E., Cherokee County, Hydrologic Unit 03150105, on State Highway 9, 0.2 mi southwest of Ellisville, and 6.7 mi upstream from mouth.

Drainage area—252 mi².

Gage—Water-stage recorder. Datum of gage is 539.07 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1950	Nov. 28	24,000	2,7	--	
1963	Mar. 13	13,200		17.90	
1964	Mar. 15	11,500		17.35	
1965	Feb. 12	3,500		11.86	
1966	Mar. 4	10,300		16.94	
1967	Aug. 25	7,740		15.81	
1968	Jan. 10	8,910		16.36	
1969	Jan. 20	4,300		12.91	
1970	Mar. 20	13,500		18.00	
1971	Apr. 24	13,800		18.10	
1972	Jan. 11	12,100		17.55	
1973	Jan. 8	4,900		13.61	
1974	Mar. 4	16,700		19.07	
1975	Sept. 24	11,400		17.30	
1976	Mar. 16	9,070		16.43	
1977	Apr. 5	8,400		16.12	
1978	Jan. 26	5,640		14.29	
1979	Mar. 4	20,100		19.82	
1980	Mar. 21	8,950		16.30	
1981	Mar. 30	10,900		17.10	
1982	Apr. 26	8,610		16.10	
1983	Feb. 2	4,500		13.35	
1984	July 31	7,420		15.58	
1985	Feb. 1	3,690		12.22	
1986	Mar. 19	917		7.17	
1987	Mar. 1	6,250		15.01	
1988	Jan. 20	3,420	E	11.73	

02400100 Terrapin Creek at Ellisville—Continued

Location—Lat 34°03'54", long 85°36'51", in SW 1/4 sec. 20, T. 11 S., R. 10 E., Cherokee County, Hydrologic Unit 03150105, on State Highway 9, 0.2 mi southwest of Ellisville, and 6.7 mi upstream from mouth.

Drainage area—252 mi².

Gage—Water-stage recorder. Datum of gage is 539.07 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1989	June 21	5,720		14.59	
1990	Mar. 16	15,500		18.60	
1991	Mar. 29	5,650		14.42	
1992	Feb. 25	6,190		14.77	
1993	Jan. 12	5,940		14.61	
1994	Mar. 29	7,000	2	15.30	5
1995	Mar. 8	6,740		15.11	
1996	Oct. 5	16,900		19.10	
1997	May 3	5,210		14.15	
1998	Apr. 9	5,480		14.41	
1999	Jan. 23	3,220		12.02	
2000	Apr. 4	5,720		14.62	
2001	Mar. 20	6,620		15.42	
2002	Jan. 25	4,920		13.85	
2003	Mar. 6	6,430		15.26	
2004	Sept. 17	3,710		12.52	
2005	Mar. 31	4,980		13.48	
2006	Mar. 21	2,650		10.89	
2007	Nov. 15	2,490		10.77	
2008	Mar. 4	1,770		10.55	
2009	Jan. 6	8,180		15.61	
2010	Nov. 11	8,790		15.96	
2011	Mar. 9	8,560		15.83	
2012	Mar. 3	2,620		11.13	
2013	July 7	4,900		13.41	
2014	Apr. 7	7,020		14.91	
2015	Jan. 4	7,080		15.04	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02401000 Big Wills Creek near Reece City

Location—Lat 34°05'53", long 86°02'17", in SE 1/4 sec. 6, T. 11 S., R. 6 E., Etowah County, Hydrologic Unit 03150106, on county road, 1 mi upstream from Fisher Creek, 1.8 mi northwest of Reece City, and at mile 25.0.

Drainage area—182 mi².

Gage—Water-stage recorder. Datum of gage is 570 ft NGVD 29 (by barometer).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1884	--	20,500	7,B	16.30	
1943	--	11,000	B	13.90	5
1944	Mar. 29	5,410		10.76	
1945	Feb. 14	2,920		9.52	
1946	Feb. 10	9,530		13.04	
1947	Jan. 21	7,030		11.80	
1948	Feb. 14	5,480		11.00	
1949	Jan. 5	11,800		14.20	
1950	Mar. 14	7,430		12.00	
1951	Mar. 29	14,800		14.50	
1952	Dec. 21	4,340		10.60	
1953	Feb. 22	5,180		11.10	
1954	Jan. 16	5,180		11.10	
1955	Feb. 7	3,040		9.64	
1956	Apr. 17	3,760		10.20	
1957	Feb. 2	5,360		11.20	
1958	Nov. 19	6,250		12.00	
1959	Feb. 14	1,400	1	--	
1960	Mar. 3	1,710		7.88	
1961	Feb. 23	6,310		11.56	
1962	Jan. 28	9,180		12.76	
1963	Apr. 30	11,800		14.37	
1964	Mar. 26	10,600		13.76	
1965	Mar. 27	6,510		11.72	
1966	Mar. 4	10,400		13.66	
1967	Feb. 21	3,420		9.80	
1968	Jan. 10	7,000	2	--	
1969	May 19	4,800		10.81	
1970	Apr. 27	4,150		10.39	
1971	Feb. 27	3,820		10.15	
1972	Jan. 5	3,150		9.55	
1973	May 28	6,850		11.90	
1974	Dec. 27	2,900		9.30	

02401000 Big Wills Creek near Reece City—Continued

Location—Lat 34°05'53", long 86°02'17", in SE 1/4 sec. 6, T. 11 S., R. 6 E., Etowah County, Hydrologic Unit 03150106, on county road, 1 mi upstream from Fisher Creek, 1.8 mi northwest of Reece City, and at mile 25.0.

Drainage area—182 mi².

Gage—Water-stage recorder. Datum of gage is 570 ft NGVD 29 (by barometer).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1975	Mar. 15	4,490		10.62	
1976	Jan. 27	3,760		10.10	
1977	Apr. 5	7,780		12.37	
1978	Nov. 6	4,860		10.81	
1979	Apr. 13	10,500		13.48	
1989	Mar. 1	3,780		10.14	
1990	Feb. 17	15,800		15.07	
1991	Feb. 20	4,050		10.33	
1992	Feb. 27	2,340		8.56	
1993	Jan. 13	2,440		8.73	
1994	Mar. 29	4,760		10.78	
1995	Feb. 17	6,770		11.89	
1996	Oct. 6	7,760		12.37	
1997	May 4	9,480		13.11	
1998	Jan. 8	4,280		10.48	
1999	Jan. 24	3,580		10.00	
2000	Apr. 4	4,060		10.34	
2001	Mar. 21	3,480		9.91	
2002	Jan. 25	4,530		10.64	
2003	May 7	8,840		12.85	
2004	Sept. 18	7,280		12.14	
2005	Nov. 25	8,980		12.91	
2006	Jan. 18	997		5.38	
2007	Jan. 8	1,010		5.42	
2008	Jan. 12	2,020		7.99	
2009	Jan. 7	8,400		12.66	
2010	Dec. 10	4,950		10.89	
2011	Sept. 7	6,040		11.51	
2012	Nov. 29	2,910		9.34	
2013	Jan. 16	5,940		11.46	
2014	Apr. 8	4,730		10.76	
2015	Jan. 5	2,000		7.95	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02401370 Big Canoe Creek near Springville

Location—Lat 33°48'49", long 86°22'54", in SE 1/4 sec. 13, T. 14 S., R. 2 E., St. Clair County, Hydrologic Unit 03150106, on U.S. Highway 11, 1 mi west of Caldwell, 4 mi northwest of Springville, and 37.0 mi upstream from mouth.

Drainage area—45.0 mi².

Gage—Water-stage recorder. Datum of gage is 587.42 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1979	Apr. 13	4,690		12.76	
1980	Mar. 17	4,130		12.33	
1981	Mar. 30	3,030		11.33	
1982	Apr. 17	1,610		9.26	
1983	Dec. 1	4,870		12.79	
1984	Nov. 28	3,670		11.77	
1985	Feb. 1	2,190	E	10.12	
1986	Mar. 19	540		5.79	
1987	Jan. 19	1,400	1	--	
1988	Jan. 20	2,010	E	9.88	
1989	Feb. 28	2,340		10.32	
1990	Feb. 16	4,130		12.19	
1991	Feb. 20	2,020		9.90	
1992	Sept. 5	2,500		10.53	
1993	Jan. 12	2,860		10.94	
1994	Mar. 27	2,370		10.37	
1995	Mar. 8	1,890		9.71	

02401390 Big Canoe Creek at Ashville

Location—Lat 33°50'23", long 86°15'46", in SE 1/4 sec. 6, T. 14 S., R. 4 E., St. Clair County, Hydrologic Unit 03150106, on U.S. Highway 231, 0.5 mi west-northwest of Ashville, 1.7 mi down-stream from Muckleroy Creek, and 22.3 mi upstream from mouth.

Drainage area—141 mi².

Gage—Water-stage recorder. Datum of gage is 529.56 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1966	Mar. 4	4,040		14.95	
1967	Sept. 9	4,410		15.22	
1968	Jan. 10	4,250		15.11	
1969	May 19	3,810		14.74	
1970	Mar. 20	9,560		17.34	
1971	July 16	7,260		16.14	
1972	Jan. 11	6,870		15.93	
1973	June 13	4,790		14.66	
1974	Dec. 27	5,500		15.13	
1975	Jan. 25	7,350		16.19	
1976	Mar. 31	5,600		15.19	
1977	Apr. 6	9,140		17.06	
1978	Oct. 9	4,980		14.79	
1979	Apr. 13	13,600		18.75	
1980	Mar. 18	7,500		16.26	
1981	Mar. 30	5,260		14.97	
1982	Jan. 4	3,710		13.85	
1983	Dec. 1	8,270		16.74	
1984	Dec. 4	6,000		15.47	
1985	Feb. 1	4,600		14.56	
1986	Dec. 13	1,100		9.75	
1987	Jan. 19	4,190		14.26	
1988	Sept. 17	4,990		14.83	
1989	Mar. 5	4,550		14.53	
1990	Feb. 16	8,380		16.71	
1991	Feb. 20	4,790		14.65	
1992	Sept. 5	4,000		13.99	
1993	Jan. 13	5,300		15.03	
1994	Mar. 28	5,560		15.20	
1995	Dec. 5	4,640		14.53	
1996	Oct. 5	9,440		17.18	
1997	June 18	6,500		15.76	
1998	Jan. 8	8,380		16.71	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02401390 Big Canoe Creek at Ashville—Continued

Location—Lat 33°50'23", long 86°15'46", in SE 1/4 sec. 6, T. 14 S., R. 4 E., St. Clair County, Hydrologic Unit 03150106, on U.S. Highway 231, 0.5 mi west-northwest of Ashville, 1.7 mi down-stream from Muckleroy Creek, and 22.3 mi upstream from mouth.

Drainage area—141 mi².

Gage—Water-stage recorder. Datum of gage is 529.56 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1999	Jan. 23	4,120		14.10	
2000	Apr. 4	7,900		16.87	
2001	Sept. 4	8,110		16.96	
2002	Jan. 25	4,060		14.70	
2003	May 8	9,170		17.32	
2004	Sept. 17	9,360		17.38	
2005	Nov. 24	14,800		19.05	
2006	Mar. 21	3,140		13.61	
2007	Jan. 1	1,240		9.46	
2008	Aug. 26	4,380		14.81	
2009	Jan. 7	7,830		16.84	
2010	Nov. 11	5,600		15.69	
2011	Mar. 10	6,250		16.08	
2012	Jan. 27	4,030		14.50	
2013	May 19	5,400		15.56	
2014	Apr. 8	6,720		16.32	
2015	Jan. 5	3,980		14.46	

02401470 Little Canoe Creek near Steele

Location—Lat 33°58'09", long 86°10'40", in SW 1/4 sec. 24, T. 12 S., R. 4 E., St. Clair County, Hydrologic Unit 03150106, on U.S. Highway 11, 2.3 mi north of Steele, and 7.2 mi upstream from mouth.

Drainage area—22.3 mi².

Gage—Water-stage recorder. Datum of gage is 554.62 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1970	Mar. 19	3,350	7	8.23	
1979	Apr. 13	3,600	7	8.36	
1983	May 18	3,250		8.19	
1984	Dec. 28	1,700		7.27	
1985	Feb. 1	1,400	E	7.06	
1986	Mar. 19	250		3.77	
1987	July 4	1,700		7.28	
1988	Sept. 17	2,200		7.64	
1989	Feb. 28	1,190		6.85	
1990	Feb. 16	3,310		8.20	
1991	Feb. 19	1,370		7.01	
1992	Feb. 25	442		5.28	
1993	Jan. 12	1,050		6.61	
1994	Mar. 27	1,820	2	7.40	
1995	Oct. 3	1,370		7.01	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02401500 Big Canoe Creek near Gadsden

Location—Lat 33°54'11", long 86°06'37", in NW 1/4 sec. 15, T. 13 S., R. 5 E., Etowah County, Hydrologic Unit 03150106, on U.S. Highway 411, 400 ft downstream from Rock Creek, 5 mi upstream from mouth, and 10 mi southwest of Gadsden.

Drainage area—253 mi².

Gage—Water-stage recorder. Datum of gage is 490.56 ft NGVD 29.

Remarks—Since 1966, site affected by H. Neely Henry Reservoir.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1938	Apr. 8	19,500		23.00	
1939	Feb. 28	4,640		13.80	
1940	Feb. 18	5,240		14.70	
1941	July 7	3,370		11.70	
1942	Feb. 17	8,300		17.30	
1943	Dec. 29	36,200		29.10	
1944	Mar. 29	7,800		16.95	
1945	Feb. 13	5,100		14.53	
1946	Feb. 10	13,600		20.20	
1947	Jan. 20	8,800		17.60	
1948	Feb. 9	5,840		15.20	
1949	Jan. 6	18,500		22.60	
1950	Mar. 14	11,300		19.20	
1951	Mar. 30	15,800		21.40	
1952	Dec. 21	6,470		15.70	
1953	Jan. 10	7,520		16.60	
1954	Jan. 16	8,130		17.10	
1955	Feb. 6	6,690		15.94	
1956	Apr. 6	5,480		14.80	
1957	Apr. 6	5,920		15.20	
1958	Sept. 21	6,690		15.90	
1959	Feb. 15	4,490		13.70	
1960	Mar. 3	6,690		15.90	
1961	Feb. 23	20,300		23.58	
1962	Dec. 13	9,700		18.27	
1963	Jan. 20	4,900		14.22	
1964	Apr. 8	6,470		15.70	
1965	Feb. 12	4,250		13.34	

02404000 Choccolocco Creek near Jenifer

Location—Lat 33°34'14", long 85°55'50", in NW 1/4 sec. 8, T. 17 S., R. 7 E., Talladega County, Hydrologic Unit 03150106, 0.8 mi upstream from Salt Creek, and 1.5 mi north of Jenifer.

Drainage area—277 mi².

Gage—Water-stage recorder. Datum of gage is 554.15 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1904	Aug. 12	1,100		4.00	
1905	Feb. 9	4,400		8.00	
1906	Mar. 20	14,600		14.20	
1907	Feb. 1	5,740		9.10	
1930	Mar. 7	14,900		14.30	
1931	Nov. 18	1,930		5.75	
1932	Jan. 31	4,450		8.35	
1936	Feb. 4	21,900		17.20	
1937	Apr. 30	8,550		11.50	
1938	Apr. 8	18,800		16.00	
1939	Mar. 2	3,700		7.52	
1940	July 13	6,200		9.60	
1941	Mar. 22	1,550		5.01	
1942	Mar. 21	6,460		9.74	
1943	Mar. 21	7,030		10.17	
1944	Mar. 30	5,200		8.82	
1945	May 15	3,200		7.03	
1946	Jan. 7	12,800		13.56	
1947	Jan. 20	11,800		13.00	
1948	Feb. 9	6,100		9.50	
1949	Nov. 29	16,600		15.10	
1950	Mar. 15	2,020		5.70	
1951	Mar. 29	20,400		16.60	
1952	Mar. 23	9,770		11.70	
1953	Jan. 10	8,440		10.90	
1954	Jan. 17	7,950		10.60	
1955	Apr. 14	6,070		9.30	
1956	Mar. 16	6,630		9.73	
1957	Apr. 5	11,800		12.90	
1958	Apr. 16	4,600		8.50	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02404000 Choctawhatchee River near Pensacola—Continued

Location—Lat 30°34'14", long 85°55'50", in NW 1/4 sec. 8, T. 17 S., R. 7 E., Escambia County, Hydrologic Unit 03150106, 0.8 mi upstream from Salt Creek, and 1.5 mi north of Pensacola.

Drainage area—277 mi².

Gage—Water-stage recorder. Datum of gage is 554.15 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1959	June 1	3,300		7.30	
1960	Feb. 1	2,220		6.10	
1961	Feb. 22	15,800		15.12	
1962	Feb. 23	13,800		13.99	
1963	Apr. 30	22,500		17.68	
1964	Mar. 16	9,480		11.60	
1965	Mar. 24	3,070		6.96	
1966	Feb. 17	6,730		9.95	
1967	Aug. 25	21,600		17.47	
1968	May 16	20,000		16.82	
1969	May 20	2,200		5.80	
1970	Mar. 20	14,400		14.48	
1979	Apr. 13	23,000	7	17.85	

02404400 Choctawhatchee River at Pensacola—Continued

Location—Lat 30°32'54", long 86°05'49", in SE 1/4 sec. 15, T. 17 S., R. 5 E., Escambia County, Hydrologic Unit 03150106, at foot of Jackson Shoals, 1.8 mi downstream from Eastaboga Creek, and 4.5 mi southeast of Pensacola.

Drainage area—481 mi².

Gage—Water-stage recorder. Datum of gage is 448.50 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1886	--	70,000	2,7,B	--	
1951	Mar	45,000	7,B	42.40	
1961	Feb. 22	25,900		36.78	
1962	Feb. 23	11,700		31.00	
1963	Apr. 30	36,900		39.98	
1964	Mar. 15	15,200		31.80	
1965	Feb. 12	4,720		24.01	
1966	Feb. 17	10,700		28.66	
1967	Aug. 26	21,600		34.65	
1968	May 16	16,800		32.28	
1969	May 9	3,670		23.00	
1970	Mar. 20	23,500		35.97	
1971	Mar. 2	7,230		26.10	
1975	July 7	9,950		28.11	
1976	Mar. 16	31,600		38.25	
1977	Mar. 30	35,800		39.54	
1978	Jan. 26	6,790		25.76	
1979	Apr. 13	30,100		37.76	
1980	Apr. 13	10,400		28.45	
1981	Feb. 10	6,000		25.12	
1982	Feb. 3	12,000		29.59	
1983	Feb. 2	8,860		27.33	
1984	Dec. 6	14,200		30.91	
1985	Feb. 5	4,560		23.58	
1986	Aug. 28	1,530		20.28	
1987	Feb. 28	8,070		26.66	
1988	Jan. 20	5,410		24.55	
1989	Mar. 6	7,700		26.38	
1990	Mar. 17	27,400		36.67	
1991	Feb. 20	7,170		25.98	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02404400 Choctawhatchee River at Pensacola—Continued

Location—Lat 30°32'54", long 86°05'49", in SE 1/4 sec. 15, T. 17 S., R. 5 E., Escambia County, Hydrologic Unit 03150106, at foot of Jackson Shoals, 1.8 mi downstream from Eastaboga Creek, and 4.5 mi southeast of Pensacola.

Drainage area—481 mi².

Gage—Water-stage recorder. Datum of gage is 448.50 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1992	Feb. 26	5,410		24.55	
1993	Jan. 12	10,100		28.05	
1994	Apr. 16	8,890		27.24	
1995	Mar. 8	9,790		27.86	
1996	Oct. 5	18,100		32.48	
1997	June 14	16,000		31.39	
1998	Mar. 8	10,000		28.02	
1999	Jan. 23	3,670		22.92	
2000	Apr. 4	8,220		26.76	
2001	Apr. 4	16,000		31.38	
2002	Jan. 25	6,170		25.19	
2003	May 8	27,700		36.79	
2004	Sept. 17	8,010		26.61	
2005	Nov. 23	8,930		27.27	
2006	Feb. 7	9,410		27.60	
2007	Nov. 15	3,100		22.31	
2008	Aug. 26	5,310		24.47	
2009	Feb. 28	6,290		25.29	
2010	Mar. 11	16,200		31.49	
2011	Mar. 9	14,200		30.43	
2012	Mar. 3	8,870		27.23	
2013	May 18	27,000		36.53	
2014	Apr. 7	14,000		30.32	
2015	Jan. 4	16,200		31.49	

02405500 Kelly Creek near Vincent

Location—Lat 33°26'51", long 86°23'13", in SW 1/4 sec. 24, T. 18 S., R. 2 E., Shelby County, Hydrologic Unit 03150106, on U.S. Highway 231, 1.5 mi downstream from Little Creek, 4.2 mi north of Vincent, and 5 mi upstream from mouth.

Drainage area—193 mi².

Gage—Water-stage recorder. Datum of gage is 404.09 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1952	Dec. 21	8,770		19.51	
1953	Jan. 10	9,970		20.50	
1954	Jan. 17	7,190		17.88	
1955	Feb. 7	10,500		20.86	
1956	Mar. 16	6,000		16.53	
1957	Apr. 5	9,840		20.40	
1958	Feb. 7	5,040		15.24	
1959	Jan. 22	3,730		12.90	
1960	Mar. 3	3,880		13.20	
1961	Feb. 22	30,900		27.08	
1962	Dec. 13	13,700		22.80	
1963	Apr. 30	8,850		19.90	
1964	Apr. 7	6,940		18.65	
1965	Feb. 13	3,000		11.40	
1966	Feb. 14	7,100		17.80	
1967	May 6	2,950		11.53	
1968	Mar. 13	8,270		19.03	
1969	Dec. 23	4,580		14.47	
1970	Mar. 20	16,100		23.69	
1979	Apr. 13	33,400	7	27.39	
1987	Jan. 19	7,020		17.72	
1988	Jan. 20	3,300		11.48	
1989	June 22	8,070		19.18	
1990	Feb. 16	18,700		25.31	
1991	Feb. 21	6,710		17.58	
1992	Feb. 26	4,210		13.50	
1993	Jan. 13	5,610		15.79	
1994	Sept. 24	4,450		13.90	
1995	Dec. 5	5,120		15.05	
1996	Mar. 8	11,000		21.98	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02405500 Kelly Creek near Vincent—Continued

Location—Lat 33°26'51", long 86°23'13", in SW 1/4 sec. 24, T. 18

S., R. 2 E., Shelby County, Hydrologic Unit 03150106, on U.S. Highway 231, 1.5 mi downstream from Little Creek, 4.2 mi north of Vincent, and 5 mi upstream from mouth.

Drainage area—193 mi².

Gage—Water-stage recorder. Datum of gage is 404.09 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1997	June 23	5,960		16.42	
1998	Jan. 8	6,790		17.69	
1999	June 29	5,830		16.21	
2000	Apr. 4	10,700		21.79	
2001	Apr. 4	8,540		19.75	
2002	Jan. 25	5,140		15.63	
2003	May 8	11,400		22.71	
2005	Nov. 25	8,610		19.82	
2006	Feb. 7	6,490		17.24	
2007	Jan. 8	2,840		10.76	
2008	Aug. 26	3,890		12.87	
2009	Jan. 7	6,290		16.93	
2010	Nov. 11	8,410		19.62	
2011	Mar. 10	8,220		19.43	
2012	Mar. 3	2,510		10.03	
2013	May 19	7,430		18.55	
2014	Apr. 8	10,400		21.55	
2015	Dec. 29	6,620		17.44	

02406500 Talladega Creek at Alpine

Location—Lat 33°21'34", long 86°14'03", in SW 1/4 sec. 21, T.

19 S., R. 4 E., Talladega County, Hydrologic Unit 03150106, on county road 207, 1 mi north of Alpine, 9 mi southwest of Talladega, and 11.0 mi upstream from mouth.

Drainage area—150 mi².

Gage—Water-stage recorder. Datum of gage is 431.24 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1939	Feb. 28	3,760		12.84	
1940	July 13	5,500		13.20	
1941	Mar. 21	2,140		10.58	
1942	Mar. 21	17,000		15.21	
1943	Apr. 19	6,500		13.42	
1944	Mar. 29	3,460		12.60	
1945	May 13	3,160		12.31	
1946	Jan. 7	15,000		14.99	
1947	Jan. 20	14,700		14.89	
1948	Mar. 23	7,200		13.64	
1949	Nov. 28	9,000		14.00	
1950	Mar. 13	2,200		10.74	
1951	Mar. 29	39,000		16.60	
1952	Dec. 21	6,000		13.36	
1953	Jan. 8	3,080		12.20	
1954	Jan. 23	980		7.38	
1955	Apr. 13	10,100		14.30	
1956	Mar. 16	12,100		14.60	
1957	Apr. 5	12,700		14.70	
1958	Feb. 6	5,900		13.30	
1959	Jan. 22	1,480		9.00	
1960	Jan. 31	1,410		8.80	
1961	Feb. 22	12,200		14.63	
1962	Dec. 18	8,400		13.85	
1963	Mar. 13	8,300		13.81	
1964	Apr. 15	8,350		13.82	
1965	Feb. 13	2,300		10.90	
1966	Feb. 16	5,100		13.00	
1967	May 23	2,750		11.74	
1968	Apr. 5	7,300		13.68	
1969	Mar. 24	1,610		9.36	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02406500 Talladega Creek at Alpine—Continued

Location—Lat 33°21'34", long 86°14'03", in SW 1/4 sec. 21, T. 19 S., R. 4 E., Talladega County, Hydrologic Unit 03150106, on county road 207, 1 mi north of Alpine, 9 mi southwest of Talladega, and 11.0 mi upstream from mouth.

Drainage area—150 mi².

Gage—Water-stage recorder. Datum of gage is 431.24 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1970	Mar. 19	14,800		14.95	
1979	Apr. 13	14,400	7	14.81	
1988	Jan. 20	3,250		12.13	
1989	Apr. 5	3,410		12.30	
1990	Mar. 17	13,000		14.72	
1991	Feb. 20	4,110		12.68	
1992	Feb. 26	1,790		9.92	
1993	Nov. 5	4,040		12.63	
1994	Apr. 16	3,400		12.16	
1995	Feb. 11	9,950		14.19	
1996	Oct. 5	10,100		14.21	
1997	Mar. 1	6,560		13.45	
1998	Feb. 4	4,920		12.96	
1999	Jan. 23	1,470		9.10	
2000	Apr. 4	5,860		13.26	
2001	Apr. 4	9,950		14.19	
2002	Jan. 20	3,400		12.13	
2003	May 8	15,300		15.05	
2004	Sept. 17	5,320		13.10	
2005	Apr. 1	2,800		11.54	
2006	Mar. 21	2,810		11.55	
2007	Nov. 16	2,290		10.85	
2008	Feb. 22	2,050		10.43	
2009	Mar. 28	3,030		11.81	
2010	Mar. 11	8,650		14.40	
2011	Mar. 10	6,540		13.74	
2012	Mar. 3	2,820		11.56	
2013	May 19	4,470		13.64	
2014	Apr. 7	9,840		14.60	
2015	Jan. 4	6,210		14.16	

02407500 Yellowleaf Creek near Wilsonville

Location—Lat 33°18'23", long 86°33'04", in NW 1/4 sec. 9, T. 20 S., R. 1 E., Shelby County, Hydrologic Unit 03150107, on county road, 3.5 mi south of U.S. Highway 280, 4 mi upstream from Muddy Prong, and 6 mi northwest of Wilsonville.

Drainage area—96.5 mi².

Gage—Water-stage recorder. Datum of gage is 430.56 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1951	Mar. 29	19,300		23.85	
1952	Dec. 22	4,190		19.60	
1953	Jan. 9	3,590		19.10	
1954	Jan. 17	1,050		11.30	
1955	Apr. 14	3,210		18.60	
1956	Mar. 16	3,280		18.68	
1957	Apr. 5	4,050		19.50	
1958	Feb. 7	2,200		16.40	
1959	Jan. 22	982		11.20	
1960	Mar. 16	1,010		11.38	
1961	Feb. 21	26,700		25.20	
1962	Feb. 23	3,390		18.86	
1963	June 23	5,300	1,3	28.31	
1964	Apr. 7	2,690		17.64	
1965	Feb. 13	1,400		13.41	
1966	Feb. 14	3,260		18.67	
1967	Nov. 11	1,120		11.93	
1968	Jan. 11	1,960		15.60	
1969	Jan. 20	3,030		18.30	
1970	Mar. 19	8,820		21.47	
1979	Apr. 13	16,200	7	23.17	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02408500 Hatchet Creek near Rockford

Location—Lat 32°56'42", long 86°13'06", in NE 1/4 sec. 36, T. 23 N., R. 18 E., Coosa County, Hydrologic Unit 03150107, on county road, 1 mi downstream from U.S. Highway 231, 1.5 mi downstream from Socapatooy Creek, and 4 mi north of Rockford.

Drainage area—233 mi².

Gage—Water-stage recorder. Datum of gage is 449 ft NGVD 29. Prior to Sept. 30, 1964, at same site and at datum 1.00 ft higher.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1945	Apr. 25	13,300		20.80	
1946	Jan. 6	22,800		24.90	
1947	Jan. 20	11,000		19.60	
1948	Mar. 23	7,500		16.80	
1949	Nov. 27	11,800		20.10	
1950	May 3	4,320		12.20	
1951	Mar. 29	15,750		21.70	
1952	Dec. 21	9,200		18.42	
1953	Apr. 30	5,750		15.20	
1954	Apr. 16	2,450		8.10	
1955	Apr. 13	9,700		18.82	
1956	Mar. 16	13,300		20.73	
1957	Apr. 5	16,000		21.90	
1958	Feb. 6	4,550		12.70	
1959	Jan. 22	4,550		12.60	
1960	Mar. 30	4,650		12.80	
1961	Mar. 31	8,800		18.15	
1962	Dec. 18	11,300		19.87	
1963	Mar. 13	7,500		16.92	
1964	Apr. 6	18,200		22.52	
1965	Jan. 23	3,860		11.30	
1966	Feb. 13	7,880		17.37	
1967	Oct. 18	4,430		12.44	
1968	Apr. 5	9,210		18.46	
1969	Apr	4,750	B	13.06	
1970	Mar. 20	9,140		18.40	
1971	Mar. 3	10,400		19.59	
1972	Jan. 11	18,800		22.83	
1973	May 8	14,500		21.28	
1974	Feb. 15	6,010		15.00	
1975	Apr. 3	7,020		16.23	
1976	Jan. 26	20,500		23.46	
1977	Mar. 30	15,600		21.72	
1978	Jan. 25	5,580		14.39	
1979	Apr. 13	60,000	2	31.83	

02408540 Hatchet Creek below Rockford

Location—Lat 32°55'00", long 86°16'13", in SE 1/4 sec. 4, T.

22 N., R. 18 E., Coosa County, Hydrologic Unit 03150107, on county road, 2.1 mi downstream from Jack Creek, and 4 mi northwest of Rockford.

Drainage area—263 mi².

Gage—Water-stage recorder. Datum of gage is 377 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1979	Apr. 13	65,000	2,7	--	
1981	Feb. 10	10,800		16.48	
1982	Feb. 3	23,500		25.65	
1983	Apr. 8	15,200		19.69	
1984	Dec. 3	16,200		20.41	
1985	Feb. 5	4,500		10.50	
1986	Dec. 13	2,020		6.84	
1987	Jan. 19	7,820		14.31	
1988	Sept. 17	21,200		24.40	
1989	June 19	12,800		18.53	
1990	Feb. 16	26,200		27.10	
1991	Feb. 20	3,880		9.43	
1992	Feb. 25	6,590		12.91	
1993	Dec. 17	11,300		17.35	
1994	Apr. 16	10,900		17.03	
1995	Mar. 8	7,230		13.68	
1996	Oct. 5	27,800		27.90	
1997	Feb. 28	12,000		17.94	
1998	Mar. 8	15,300		20.32	
1999	Jan. 31	6,760		13.11	
2000	Apr. 4	4,090		9.72	
2001	Mar. 20	9,160		15.55	
2002	Jan. 25	3,250		8.57	
2003	May 8	10,700		16.85	
2004	Sept. 16	8,350		14.81	
2005	Mar. 31	13,600		19.14	
2006	Mar. 21	3,100		8.35	
2007	Nov. 15	13,800		19.27	
2008	Aug. 26	10,900		17.08	
2009	Sept. 19	19,900		23.57	
2010	Jan. 24	13,300		18.91	
2011	Mar. 9	6,650		12.98	
2012	Jan. 23	7,280		13.74	
2013	Apr. 12	6,410		12.06	
2014	Apr. 7	14,900		20.07	
2015	Jan. 4	9,000		15.41	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02409000 Weogufka Creek near Weogufka

Location—Lat 32°59'01", long 86°18'26", in NE 1/4 sec. 18, T. 23 N., R. 18 E., Coosa County, Hydrologic Unit 03150107, on county road, 2 mi south of Weogufka and 6 mi upstream from Phinikochika Creek.

Drainage area—73.4 mi².

Gage—Water-stage recorder 1951–58. Crest-stage gage 1959–70. Datum of gage is 593.08 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1951	Mar. 29	24,200		16.80	
1952	Dec. 21	3,220		11.00	
1953	Apr. 30	2,700		10.50	
1954	Mar. 27	838		7.20	
1955	Apr. 14	5,100		12.30	
1956	Mar. 16	4,450		11.93	
1957	Apr. 5	6,600		13.00	
1958	Feb. 7	1,800		9.45	
1959	Jan. 21	1,680		9.20	
1960	Mar. 30	1,370		8.60	
1961	Feb. 25	3,130		10.92	
1962	Dec. 18	5,420		12.46	
1963	Apr. 30	2,310		10.08	
1964	Apr. 6	8,260		13.62	
1965	Jan. 23	1,600		9.06	
1966	Feb. 13	3,250		11.03	
1967	Aug. 24	4,420		11.88	
1968	Apr. 5	13,700		15.08	
1969	Jan. 20	1,480		8.83	
1970	Mar. 19	1,100		7.95	
1979	Apr. 13	15,200	7	15.41	

02410000 Paterson Creek near Central

Location—Lat 32°40'54", long 86°07'40", in SE 1/4 sec. 26, T. 20 N., R. 19 E., Elmore County, Hydrologic Unit 03150107, on county road, 2 mi west of Central, and 11 mi northeast of Wetumpka.

Drainage area—4.91 mi².

Gage—Water-stage recorder. Datum of gage is 440 ft NGVD 29 (by barometer).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1952	Mar. 3	604		5.40	
1953	Apr. 29	716		6.20	
1954	June 2	258		3.28	
1955	Feb. 6	410		4.20	
1956	Apr. 5	640		5.50	
1957	Apr. 4	828		7.00	
1958	Feb. 6	856		7.20	
1959	June 6	204		2.85	
1960	Mar. 29	856		7.16	
1961	Feb. 25	1,770		9.10	
1962	Dec. 10	1,500		8.84	
1963	June 23	393		3.95	
1964	Apr. 6	1,010		7.82	
1965	Jan. 23	863		7.25	
1966	Mar. 3	729		6.29	
1967	Oct. 9	618		5.50	
1968	Apr. 5	477		4.50	
1969	Aug. 2	4,310		10.10	
1970	Mar. 19	396		3.97	
1971	Mar. 3	715		5.39	
1972	Jan. 11	472		4.47	
1973	May 28	446		4.29	
1974	Jan. 20	228		2.92	
1975	Apr. 2	1,200		8.40	
1976	Mar. 13	604		5.56	
1977	Mar. 12	228		2.76	
1978	Jan. 25	645		5.67	
1979	Apr. 13	1,110		8.12	
1980	Mar. 8	449		4.32	
1981	Apr. 1	918		7.47	
1982	Feb. 2	660		5.80	
1983	Apr. 4	1,250		7.73	
1984	Aug. 2	1,140		7.19	
1985	Feb. 5	246		E	2.83
1986	Mar. 13	633			4.73
1987	Feb. 15	548			4.27
1988	Sept. 16	662			4.88

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02412000 Tallapoosa River near Heflin

Location—Lat 33°37'22", long 85°30'48", in NW 1/4 sec. 20, T. 16

S., R. 11 E., Cleburne County, Hydrologic Unit 03150108, 2.2 mi upstream from Cane Creek, 4 mi southeast of Heflin, and at mile 186.8.

Drainage area—448 mi².

Gage—Water-stage recorder. Datum of gage is 830 ft NGVD 29 (by barometer).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1953	Jan. 10	8,110		20.40	
1954	Jan. 18	7,020		19.00	
1955	Apr. 14	4,770		14.67	
1956	Mar. 17	6,840		18.70	
1957	Apr. 5	9,140		21.40	
1958	Feb. 7	4,820		14.80	
1959	June 1	6,840		18.70	
1960	Feb. 1	4,950		15.07	
1961	Feb. 22	19,300		26.39	
1962	Feb. 24	9,100		21.34	
1963	Apr. 30	11,400		22.95	
1964	Mar. 16	8,690		20.29	
1965	Apr. 6	4,320		13.36	
1966	Feb. 17	6,710		17.43	
1967	Aug. 26	10,000		22.02	
1968	May 16	17,100		25.65	
1969	Apr. 16	3,940		12.85	
1970	Mar. 21	13,700		24.21	
1971	Mar. 3	6,400		17.96	
1972	Jan. 12	9,470		21.08	
1973	Mar. 18	8,160		19.65	
1974	Jan. 2	9,600		21.20	
1975	Sept. 25	7,780		19.12	
1976	Mar. 16	14,200		24.33	
1977	Mar. 31	32,500		31.34	
1978	Nov. 8	7,670		18.96	
1979	Mar. 5	23,100		28.05	
1980	Apr. 15	8,300		19.82	
1981	Feb. 12	6,080		16.64	
1982	Feb. 4	19,100		26.34	
1983	Apr. 10	8,130		19.59	
1984	Dec. 7	10,500		21.96	
1985	Feb. 1	4,810		13.51	

02412000 Tallapoosa River near Heflin—Continued

Location—Lat 33°37'22", long 85°30'48", in NW 1/4 sec. 20, T. 16

S., R. 11 E., Cleburne County, Hydrologic Unit 03150108, 2.2 mi upstream from Cane Creek, 4 mi southeast of Heflin, and at mile 186.8.

Drainage area—448 mi².

Gage—Water-stage recorder. Datum of gage is 830 ft NGVD 29 (by barometer).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1986	Dec. 13	1,910		7.71	
1987	Mar. 1	6,770		17.20	
1988	Jan. 21	5,520		14.91	
1989	June 23	6,680		17.03	
1990	Mar. 18	24,000		28.33	
1991	Feb. 21	6,750		17.16	
1992	Feb. 27	6,670		17.01	
1993	Jan. 13	6,630		16.95	
1994	July 28	5,880		15.60	
1995	Feb. 18	7,930		19.20	
1996	Oct. 6	12,600		23.37	
1997	Mar. 1	8,920		20.51	
1998	Mar. 9	9,800		21.38	
1999	July 1	4,400		12.55	
2000	Apr. 4	5,740		15.33	
2001	Mar. 21	7,220		18.03	
2002	Mar. 31	5,360		14.58	
2003	May 8	12,900		23.55	
2004	Sept. 18	5,660		15.18	
2005	July 12	6,200		16.18	
2006	Feb. 7	6,070		15.95	
2007	Nov. 16	4,990		13.80	
2008	Feb. 23	3,340		10.20	
2009	Mar. 1	5,790		15.42	
2010	Mar. 12	8,150		19.54	
2011	Mar. 11	7,340		18.24	
2012	Jan. 24	4,190		12.09	
2013	Jan. 31	5,670		15.20	
2014	Dec. 24	8,440		19.97	
2015	Jan. 5	8,330		19.13	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02412500 Tallapoosa River near Ofelia

Location—Lat 33°19'34", long 85°35'31", in SW 1/4 sec. 34, T. 19 S., R. 10 E., Randolph County, Hydrologic Unit 03150108, 1 mi northeast of Ofelia, 1.5 mi upstream from Little Tallapoosa River, and 9 mi east of Lineville.

Drainage area—792 mi².

Gage—Water-stage recorder 1939–51. Crest-stage gage 1952–70.
Datum of gage is 665 ft NGVD 29 (from topographic map).

Remarks—Since 1982, site affected by Harris Dam.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1920	Dec	41,000	2,7,B	21.00	
1939	Mar. 2	8,690		8.80	
1940	Mar. 14	8,460		8.71	
1941	July 12	3,990		4.94	
1942	Mar. 21	20,500		14.62	
1943	Mar. 21	16,900		12.92	
1944	Apr. 11	14,900		11.87	
1945	Apr. 25	8,530		8.40	
1946	Jan. 6	21,200		14.92	
1947	Jan. 20	22,100		15.34	
1948	Mar. 23	14,500		11.90	
1949	Nov. 29	24,500		16.20	
1950	Feb. 10	5,530		6.40	
1951	Mar. 29	16,600		13.00	
1952	Dec. 21	19,600		14.30	
1953	Jan. 9	13,700		11.50	
1954	Jan. 18	7,470		7.80	
1955	Apr. 15	8,590		8.50	
1956	Mar. 18	21,900		15.20	
1957	Apr. 5	21,400		15.00	
1958	Apr. 16	9,550		9.10	
1959	Jan. 22	3,880		4.90	
1960	Jan. 31	7,020		7.50	
1961	Feb. 23	22,400		15.42	
1962	Dec. 15	16,300		12.84	
1963	Apr. 30	38,000		20.40	
1964	Apr. 17	15,900		12.64	
1965	Dec. 27	6,420		7.08	
1966	Feb. 16	12,000		10.58	
1967	Aug. 26	17,900		13.60	
1968	May 16	26,000		16.70	
1969	May 19	5,980		6.75	
1970	Mar. 4	23,700		15.90	

02413300 Little Tallapoosa River near Newell

Location—Lat 33°26'14", long 85°23'57", in SW 1/4 sec. 21, T. 18 S., R. 12 E., Randolph County, Hydrologic Unit 03150108, on county highway 82, 1.0 mi upstream from Cut Nose Creek, and 2.0 mi east of Newell.

Drainage area—406 mi².

Gage—Water-stage recorder. Datum of gage is 842.92 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1976	Mar. 16	14,100		18.18	
1977	Mar. 30	8,510		15.82	
1978	Jan. 25	6,610		13.89	
1979	Apr. 13	12,700		17.80	
1980	Mar. 13	5,730		12.76	
1981	May 26	5,580		12.54	
1982	Feb. 3	11,600		17.34	
1983	Apr. 8	9,100		15.81	
1984	Dec. 6	6,610		13.18	
1985	Feb. 5	4,150		9.97	
1986	Dec. 14	1,840	2	6.50	5
1987	Jan. 19	6,610		13.06	
1988	Jan. 20	3,650		9.30	
1989	June 21	5,940		12.18	
1990	Mar. 17	13,000		17.85	
1991	June 26	5,300		11.23	
1992	Nov. 22	6,140		12.33	
1993	Dec. 17	7,290		13.75	
1994	Apr. 16	5,010		10.84	
1995	Feb. 11	11,200		17.11	
1996	Oct. 5	13,500		18.03	
1997	Feb. 28	9,220		15.60	
1998	Mar. 8	11,200		17.08	
1999	June 28	4,320		9.88	
2000	Apr. 4	3,690		8.94	
2001	Mar. 20	6,570		12.86	
2002	Sept. 22	4,740		10.45	
2003	May 8	13,200		17.91	
2004	Sept. 16	6,530		12.80	
2005	July 12	6,150		12.32	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02413300 Little Tallapoosa River near Newell—Continued

Location—Lat 33°26'14", long 85°23'57", in SW 1/4 sec. 21, T. 18 S., R. 12 E., Randolph County, Hydrologic Unit 03150108, on county highway 82, 1.0 mi upstream from Cut Nose Creek, and 2.0 mi east of Newell.

Drainage area—406 mi².

Gage—Water-stage recorder. Datum of gage is 842.92 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
2006	Feb. 7	3,520		8.68	
2007	Nov. 15	3,470		8.61	
2008	Nov. 15	3,470		8.61	
2009	Sept. 23	6,520		12.79	
2010	Mar. 11	6,880		13.24	
2011	Mar. 9	4,430		10.03	
2012	Mar. 3	5,390		11.36	
2013	Feb. 26	4,070		9.52	
2014	Apr. 7	11,600		17.53	
2015	Dec. 28	5,900		12.02	

02413400 Wedowee Creek above Wedowee

Location—Lat 33°19'20", long 85°20'35", in SE 1/4 sec. 36, T. 19 S., R. 12 E., Randolph County, Hydrologic Unit 03150108, on County Highway 56, 8 mi east of Wedowee.

Drainage area—6.87 mi².

Gage—Water-stage recorder 1960–66. Crest-stage gage 1967–72. Datum of gage is 1,050 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1960	Apr. 3	870		5.58	
1961	Mar. 31	1,080		6.30	
1962	Dec. 18	1,220		6.71	
1963	Mar. 5	858		5.53	
1964	Jan. 25	1,210		6.67	
1965	Dec. 25	638		4.65	
1966	Oct. 1	1,490		7.38	
1967	July 8	570		4.38	
1968	May 15	888		5.65	
1969	May 18	815		5.36	
1970	June 4	512		4.15	
1971	Mar. 3	898		5.69	
1972	Jan. 10	845		5.48	
1979	Apr. 13	1,900	7	8.22	

02413475 Wedowee Creek near Wedowee

Location—Lat 33°19'30", long 85°29'02", in SE 1/4 sec. 34, T. 19 S., R. 11 E., Randolph County, Hydrologic Unit 03150108, at bridge on U.S. Highway 431, 1.5 mi north of Wedowee.

Drainage area—46.6 mi².

Gage—Crest-stage gage. Datum not available.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1951	Mar. 29	2,100		8.08	
1952	Mar. 3	3,850		12.02	
1953	Apr. 30	3,600		11.60	
1954	Mar. 28	1,220		5.63	
1955	Feb. 7	2,330		8.80	
1956	Mar. 16	4,100		12.70	
1957	Apr. 4	3,920		12.60	
1958	Feb. 6	3,180		11.00	
1959	Mar. 10	1,260		5.80	
1960	July 28	2,550		9.40	
1961	Feb. 25	4,300		13.01	
1962	Apr. 12	2,780		9.94	
1963	Mar. 6	1,975		7.93	
1964	Jan. 25	3,950		12.37	
1965	Dec. 25	2,675		9.60	
1966	Feb. 13	2,850		10.05	
1967	Nov. 10	940		4.67	
1968	Apr. 5	2,950		10.38	
1969	Apr. 18	2,950		10.38	
1970	June 4	1,730		7.23	
1971	Mar. 2	3,950		12.36	
1972	Jan. 11	3,950		12.37	
1973	May 21	3,540		11.87	
1974	Jan. 2	3,360		11.40	
1975	Sept. 23	3,200		10.86	
1979	Apr. 13	4,870	7	14.10	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02413500 Little Tallapoosa River near Wedowee

Location—Lat 33°20'57", long 85°32'43", in SE 1/4 sec. 24, T. 19 S., R. 10 E., Randolph County, Hydrologic Unit 03150108, 4.5 mi northwest of Wedowee and 5.5 mi upstream from mouth.

Drainage area—591 mi².

Gage—Water-stage recorder 1940–52. Crest-stage gage 1953–70.

Datum of gage is 680 ft NGVD 29 (from topographic map).

Remarks—Since 1982, site affected by Harris Dam.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1919	Dec.	27,000	7,B	23.00	5
1938	Apr. 8	18,900		20.00	
1940	July 9	9,600		14.92	
1941	July 12	4,600		10.10	
1942	Mar. 21	19,800		20.40	
1943	Mar. 21	14,000		17.47	
1944	Apr. 11	14,200		16.65	
1945	Apr. 25	12,000		16.33	
1946	Jan. 6	16,300		18.67	
1947	Jan. 20	15,400		18.37	
1948	Mar. 23	16,400		18.90	
1949	Nov. 28	20,800		20.80	
1950	Mar. 13	4,810		10.70	
1951	Mar. 29	6,920		12.80	
1952	Dec. 21	16,000		18.70	
1953	Apr. 30	9,790		15.10	
1954	Jan. 18	3,300		8.90	
1955	Apr. 15	7,480		13.30	
1956	Mar. 18	20,600		20.70	
1957	Apr. 5	19,600		20.30	
1958	Nov. 23	12,500		16.90	
1959	June 2	6,480		12.40	
1960	Jan. 31	7,140		13.00	
1961	Feb. 25	25,500		22.58	
1962	Dec. 19	16,400		18.90	
1963	Apr. 30	24,600		22.34	
1964	Apr. 8	14,300		17.26	
1965	Dec. 27	9,100		14.60	
1966	Feb. 14	10,100		15.29	
1967	Nov. 10	8,200		13.90	
1968	May 16	16,700		19.02	
1969	May 19	9,230		14.70	
1970	Mar. 21	16,300		18.83	
1979	Apr. 13	26,000	7	22.72	

02414800 Harbuck Creek near Hackneyville

Location—Lat 33°07'08", long 85°56'45", in SW 1/4 sec. 8, T. 22 S., R. 7 E., Clay County, Hydrologic Unit 03150109, on county road, 0.5 mi upstream from mouth, 1 mi north of county line, and 4 mi north of Hackneyville.

Drainage area—7.97 mi².

Gage—Water-stage recorder. Datum of gage is 710 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1951	Mar. 29	2,460		7.80	
1952	Dec. 29	1,160		4.90	
1953	Apr. 12	1,460		5.70	
1954	Feb. 24	560		3.30	
1955	May 22	3,320		8.90	
1956	Mar. 16	1,620		6.10	
1957	Apr. 5	2,340		7.60	
1958	Mar. 11	2,680		8.10	
1959	Oct. 1	1,060		4.60	
1960	Mar. 29	515		3.15	
1961	Mar. 31	1,350		5.41	
1962	Dec. 18	1,720		5.34	
1963	June 23	905		4.18	
1964	Apr. 6	2,560		7.95	
1965	Sept. 30	1,020		4.51	
1966	Apr. 27	820		3.95	
1967	Oct. 18	652		3.53	
1968	Apr. 5	720		3.70	
1969	Sept. 24	466		2.98	
1970	Mar. 19	966		4.35	
1979	Apr. 14	6,260	7	11.87	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02415000 Hillabee Creek near Hackneyville

Location—Lat 33°04'00", long 85°52'45", in SW 1/4 sec.

17, T. 24 N., R. 22 E., Tallapoosa County, Hydrologic Unit 03150109, on county road, 1 mi downstream from Enitachopco Creek, 3 mi east of Hackneyville, and 4 mi upstream from Hackney Creek.

Drainage area—190 mi².

Gage—Water-stage recorder. Datum of gage is 557.92 ft NGVD 29

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1953	Jan. 8	6,800		16.90	
1954	Apr. 29	4,300		13.90	
1955	Apr. 14	8,600		19.10	
1956	Mar. 16	14,200		23.60	
1957	Apr. 5	17,800		25.70	
1958	Feb. 6	7,650		18.00	
1959	Mar. 12	4,500		14.10	
1960	Mar. 30	5,900		15.81	
1961	Feb. 25	10,500		20.97	
1962	Dec. 18	10,700		21.02	
1963	Mar. 13	9,200		19.82	
1964	Apr. 6	14,300		23.74	
1965	Mar. 17	4,900		14.41	
1966	May 13	6,650		18.06	
1967	Oct. 19	6,000		15.97	
1968	Apr. 5	9,250		19.87	
1969	Apr. 18	5,600		15.52	
1970	Mar. 20	9,800		20.43	
1971	Mar. 3	10,000		20.60	
1972	Jan. 11	14,000		23.62	
1973	May 8	11,500		21.82	
1979	Apr. 13	23,000	7	28.10	
1986	Dec. 13	1,890		10.65	
1987	Jan. 19	4,700		16.08	
1988	Sept. 17	11,000		22.43	
1989	June 19	6,900		18.77	

02415000 Hillabee Creek near Hackneyville—Continued

Location—Lat 33°04'00", long 85°52'45", in SW 1/4 sec.

17, T. 24 N., R. 22 E., Tallapoosa County, Hydrologic Unit 03150109, on county road, 1 mi downstream from Enitachopco Creek, 3 mi east of Hackneyville, and 4 mi upstream from Hackney Creek.

Drainage area—190 mi².

Gage—Water-stage recorder. Datum of gage is 557.92 ft NGVD 29

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1990	Mar. 16	17,700		25.59	
1991	Mar. 29	3,200		13.55	
1992	Feb. 25	4,600		15.73	
1993	Dec. 17	8,200		20.03	
1994	Apr. 16	8,250		20.14	
1995	Mar. 8	6,550		18.39	
1996	Oct. 5	12,200		23.02	
1997	Mar. 1	8,250		20.14	
1998	Mar. 8	10,000		21.54	
1999	Jan. 31	2,820		12.79	
2000	Apr. 4	2,010		11.04	
2001	Apr. 4	8,800		20.66	
2002	Jan. 25	2,250		11.55	
2003	May 8	17,700		25.59	
2004	Sept. 17	7,900		18.23	
2005	July 7	8,610		19.06	
2006	Mar. 21	3,000		11.86	
2007	Nov. 15	7,930		18.27	
2008	Nov. 15	7,930		18.27	
2009	Sept. 19	7,950		18.29	
2010	May 10	10,600		20.96	
2011	Mar. 9	5,980		15.91	
2012	Mar. 3	6,740		16.81	
2013	July 7	5,660		15.53	
2014	Apr. 7	10,900		21.24	
2015	Jan. 4	6,850		16.95	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02418230 Sougahatchee Creek at Co Rd 188 nr Loachap

Location—Lat 32°37'36", long 85°35'17" referenced to North American Datum of 1927, Lee County, AL, Hydrologic Unit 03150110, on downstream side of bridge on County Road 188, 1 mi upstream of Loblockee Creek, and 2 mi north of Loachapoka.

Drainage area—71 mi².

Gage—Water-stage recorder. Elevation of gage is 520 ft above NGVD of 1929 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
2000	Jan. 10	1,590		4.63	
2001	Mar. 4	6,000		7.88	
2002	Mar. 21	1,280		4.26	
2003	July 2	7,570		8.64	
2004	Sept. 17	2,980		5.91	
2005	Mar. 28	6,350		8.06	
2006	Mar. 21	6,490		8.13	
2007	Nov. 16	2,440		5.45	
2008	Nov. 16	2,440		5.45	
2009	Feb. 28	2,870		5.82	
2010	Nov. 11	4,410		6.95	
2011	July 20	1,620		4.66	
2012	Feb. 19	1,410		4.42	
2013	Feb. 23	2,520		5.52	
2014	Apr. 7	4,460		6.98	
2015	May 29	2,800		5.76	
2016	Dec. 25	12,800		10.38	

02423380 Cahaba River Near Mountain Brook Ala.

Location—Lat 33°28'54", long 86°42'46" referenced to North American Datum of 1927, Jefferson County, Ala., Hydrologic Unit 03150202, on downstream side bridge on county road, 0.1 mi upstream from Fuller Creek, 3.5 mi east of Mountain Brook, 5.4 mi upstream from Little Cahaba River, and at mi 153.6.

Drainage area—140 mi².

Gage—Water-stage recorder. Datum of gage is 443.85 ft above NGVD of 1929 (levels by Jefferson County Engineering Department).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1979	Apr. 13	19,000	7	20.60	
1981	Mar. 30	6,750		10.84	
1985	Feb. 1	5,340		9.18	
1986	July 21	1,420		3.75	
1987	Jan. 19	4,110		8.80	
1988	Jan. 20	3,140		7.29	
1989	Mar. 5	6,410		12.10	
1990	Mar. 16	6,880		11.99	
1991	Feb. 20	5,240		9.84	
1992	Sept. 4	3,370		7.15	
1993	Jan. 13	4,320		8.55	
1994	July 27	5,190		9.87	
1995	Mar. 8	4,310		8.75	
1996	Jan. 27	10,500		15.60	
1997	June 14	8,050		13.15	
1998	Jan. 8	12,500		16.19	
1999	June 28	11,000		15.11	
2000	Apr. 4	10,300		14.58	
2001	Apr. 4	13,200		16.70	
2002	Sept. 22	6,780		11.65	
2003	May 8	23,500		25.08	
2004	Sept. 16	12,700		16.94	
2005	Nov. 23	8,760		13.40	
2006	Feb. 6	2,980		6.29	
2007	Jan. 8	1,250		3.90	
2008	Aug. 26	5,420		9.52	
2009	Sept. 18	11,200		15.42	
2010	Nov. 11	8,010		12.33	
2011	Mar. 9	8,540		12.86	
2012	Jan. 27	5,740		9.89	
2013	May 18	12,100		16.15	
2014	Apr. 7	13,300		16.25	
2015	Jan. 4	7,980		10.52	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02423500 Cahaba River near Acton

Location—Lat 33°21'48", long 86°48'47", in SE 1/4 sec. 23, T. 19 S., R. 3 W., Jefferson County, Hydrologic Unit 03150202, on right bank at downstream side of highway bridge (Bains Bridge), 0.5 mi upstream from Patton Creek, 1 mi downstream from U.S. Highway 31, 1 mi northwest of Acton, 16 mi south of Birmingham, and at mile 136.8.

Drainage area—230 mi².

Gage—Water-stage recorder. Datum of gage is 375.00 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1939	Feb. 28	5,570		19.03	
1940	Feb. 6	6,010		20.03	
1941	Aug. 3	4,800		17.10	
1942	Mar. 21	6,200		20.45	
1943	Dec. 28	34,000		43.70	
1944	Mar. 29	9,000		26.43	
1945	Feb. 13	6,900		22.00	
1946	Feb. 10	13,700		33.10	
1947	Jan. 20	10,800		29.30	2
1948	Feb. 9	6,180		20.30	2
1949	Nov. 29	23,000		39.80	2
1950	Mar. 14	6,100		20.20	
1951	Mar. 29	17,800		36.80	2
1952	Dec. 21	7,720		24.30	2
1953	Jan. 9	8,700		26.00	
1954	Jan. 16	7,300		23.60	
1955	Feb. 7	9,340		26.80	
1956	Apr. 6	6,590		21.20	
1957	Apr. 5	11,000		29.40	
1961	Feb. 22	30,000	7	42.66	
1979	Apr. 13	31,000	7	42.84	
1984	Dec. 3	15,000		34.62	
1985	Feb. 1	5,380		18.30	
1986	July 21	1,820		8.05	
1987	Nov. 26	4,270		16.02	
1988	Jan. 20	3,230		12.82	
1989	Mar. 5	9,220		25.81	

02423500 Cahaba River near Acton—Continued

Location—Lat 33°21'48", long 86°48'47", in SE 1/4 sec. 23, T.

19 S., R. 3 W., Jefferson County, Hydrologic Unit 03150202, on right bank at downstream side of highway bridge (Bains Bridge), 0.5 mi upstream from Patton Creek, 1 mi downstream from U.S. Highway 31, 1 mi northwest of Acton, 16 mi south of Birmingham, and at mile 136.8.

Drainage area—230 mi².

Gage—Water-stage recorder. Datum of gage is 375.00 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1990	Feb. 16	14,000		33.11	
1991	Feb. 20	7,350		22.14	
1992	Sept. 4	4,400		16.00	
1993	Jan. 13	8,100		24.51	
1994	July 27	4,400		16.06	
1995	Mar. 8	5,200		18.12	
1996	Mar. 7	14,500		33.35	
1997	June 15	6,480		20.99	
1998	Jan. 8	13,300		32.42	
1999	June 29	9,900		28.10	
2000	Apr. 4	15,200		34.40	
2001	Apr. 4	12,100		30.85	
2002	Sept. 22	8,630		25.63	
2003	May 8	19,100		37.74	
2004	Sept. 17	13,400		32.62	
2005	Nov. 25	11,500		30.05	
2006	Feb. 7	6,990		21.58	
2007	Jan. 8	1,800		8.95	
2008	Aug. 26	6,340		20.29	
2009	Jan. 7	9,150		26.06	
2010	Nov. 11	10,100		27.72	
2011	Mar. 10	9,830		27.32	
2012	Jan. 27	6,190		19.98	
2013	May 19	8,170		25.19	
2014	Apr. 7	14,500		34.98	
2015	Jan. 4	7,320		23.28	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02423555 Cahaba River near Helena

Location—Lat 33°17'04", long 86°52'57", in NE 1/4 sec. 19, T. 20 S., R. 3 W., Shelby County, Hydrologic Unit 03150202, 2 mi southwest of Helena.

Drainage area—335 mi².

Gage—Crest-stage gage. Datum not available.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1961	Feb. 22	36,000	2,7	--	
1965	Jan. 24	5,280		13.07	
1966	Apr. 28	9,180		20.30	
1967	Aug. 27	4,520		11.29	
1969	Jan. 20	8,660		19.43	
1970	Mar. 20	21,000		33.35	
1971	Feb. 6	8,260		18.76	
1972	Jan. 11	10,740		22.45	
1973	Apr. 1	6,620		15.85	
1974	Dec. 26	9,250		20.42	
1975	Feb. 26	10,200		21.97	
1976	Mar. 16	22,800		34.85	
1977	Apr. 6	13,700		26.70	
1979	Apr. 13	37,200	2,7	--	
1996	Mar. 7	17,500		30.37	
1997	Mar. 1	7,890		18.16	
1998	Jan. 8	14,800		27.80	
1999	June 29	9,770		21.28	
2000	Apr. 4	18,200		30.97	
2001	Apr. 5	12,400		25.14	
2002	Sept. 22	10,000		21.68	
2003	May 9	17,700		30.54	
2004	Sept. 17	13,900		26.90	
2005	Nov. 25	14,900		27.93	
2006	Feb. 7	7,600		17.63	
2007	Jan. 8	1,800	1	--	
2008	Aug. 26	6,570		15.75	
2009	Jan. 7	10,200		22.06	
2010	Mar. 11	14,100		27.08	
2011	Mar. 10	11,000		23.22	
2012	July 31	7,720		17.87	
2013	May 19	7,760		17.94	
2014	Apr. 7	19,000		31.69	
2015	Dec. 28	10,300		22.23	

02423630 Shades Creek near Greenwood Ala.

Location—Lat 33°19'34", long 86°56'59" referenced to North American Datum of 1927, Jefferson County, AL, Hydrologic Unit 03150202, near left bank on downstream side of bridge on county road, 1.4 mi southwest of Greenwood, 5.5 mi south of Bessemer, and at mile 20.8.

Drainage area—72 mi².

Gage—Water-stage recorder. Datum of gage is 478.37 ft above NGVD of 1929. Prior to October 1, 1997, gage was at datum 480.37 ft above NGVD of 1929.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1965	Feb. 12	1,800		10.78	3
1966	Feb. 16	3,200		11.86	3
1967	Aug. 27	3,080		11.80	3
1968	Dec. 22	2,800		11.66	3
1969	Jan. 20	4,020		12.18	3
1970	Mar. 20	7,220		13.04	3
1971	Feb. 5	4,570		12.36	3
1972	Jan. 11	3,400		11.94	3
1973	Mar. 31	2,980		11.75	3
1974	Dec. 27	3,500		12.04	3
1975	Jan. 25	4,000		12.22	3
1976	Mar. 16	6,470		12.87	3
1977	Apr. 5	4,870		12.45	3
1978	Oct. 26	3,600		12.06	3
1979	Apr. 13	7,800		13.19	3
1980	Mar. 17	5,200		12.59	3
1981	Mar. 30	4,070		12.04	3
1998	Jan. 8	5,200		14.56	6
1999	June 29	3,350		13.83	
2000	Apr. 3	6,110		14.84	
2001	Sept. 3	4,160		14.24	
2002	Sept. 22	4,140		14.23	
2003	May 18	4,800		14.46	
2004	Sept. 17	7,000		15.02	
2005	Nov. 24	3,990		14.16	
2006	Feb. 7	3,310		13.80	
2007	Jan. 8	1,200		10.27	
2008	Aug. 26	1,870		12.58	
2009	Feb. 28	3,000		13.69	
2010	Nov. 11	4,400		14.31	
2011	Sept. 6	4,130		14.23	
2012	Jan. 27	3,340		13.82	
2013	Jan. 14	3,520		13.92	
2014	Apr. 7	4,450		14.25	
2015	Dec. 28	2,690		13.66	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02424000 Cahaba River at Centreville

Location—Lat 32°56'42", long 87°08'21", in SE 1/4 sec. 26, T. 23 N. R. 9 E., Bibb County, Hydrologic Unit 03150202, 60 ft downstream from U.S. Highway 82 bridge. 0.2 mi west of Centreville, 2.5 mi upstream from Sandy Creek, and at mile 81.2.

Drainage area—1,027 mi².

Gage—Water-stage recorder. Datum of gage is 180.74 ft NGVD 29. Prior to Jan. 31, 1939, nonrecording gage at same site. Prior to May 1929, at datum 1.15 ft lower.

Remarks—Flow affected by regulation from Lake Purdy and diversion by Birmingham Water Works.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1902	Mar. 28	100,000		36.70	3
1903	Feb. 8	51,000		31.60	3
1904	Feb. 8	5,400		11.50	3
1905	Feb. 9	25,000		25.90	3
1906	Mar. 19	84,000		35.50	3
1907	May 15	23,000		25.20	3
1916	July 8	90,000		36.20	3
1917	Mar. 4	28,600		27.10	3
1918	Jan	17,600	B	21.50	3
1919	Oct. 30	60,000		33.00	3
1920	Dec. 9	59,000		32.80	3
1921	Apr. 17	46,000		31.00	3
1922	Mar. 11	22,500		25.00	3
1923	Feb. 13	41,500		30.00	3
1924	Feb. 24	17,600		21.50	3
1925	Jan. 18	36,000		29.10	3
1926	Jan	20,500		24.00	3
1927	Feb. 14	28,500		27.00	3
1928	Apr. 22	38,200		29.50	3
1929	Jan. 14	20,500		24.00	3,6
1930	Nov. 15	67,000		34.00	
1931	Nov. 16	16,200		21.75	
1932	Mar. 31	41,000		30.10	
1933	Mar. 30	32,000		28.00	
1934	Mar. 3	52,000		32.00	
1935	Mar. 7	32,000		28.00	
1936	Feb. 4	87,000		35.80	
1937	Mar. 20	35,000		28.80	

02424000 Cahaba River at Centreville—Continued

Location—Lat 32°56'42", long 87°08'21", in SE 1/4 sec. 26, T. 23 N. R. 9 E., Bibb County, Hydrologic Unit 03150202, 60 ft downstream from U.S. Highway 82 bridge. 0.2 mi west of Centreville, 2.5 mi upstream from Sandy Creek, and at mile 81.2.

Drainage area—1,027 mi².

Gage—Water-stage recorder. Datum of gage is 180.74 ft NGVD 29. Prior to Jan. 31, 1939, nonrecording gage at same site. Prior to May 1929, at datum 1.15 ft lower.

Remarks—Flow affected by regulation from Lake Purdy and diversion by Birmingham Water Works.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1938	Apr. 8	97,000		36.63	
1939	Aug. 16	50,000		31.56	
1940	Feb. 6	28,500		26.96	
1941	Mar. 7	18,000		21.79	
1942	June 13	43,000		30.48	
1943	Dec. 28	72,000		34.38	
1944	Mar. 29	31,600		28.02	
1945	May 13	30,100		27.63	
1946	Feb. 10	37,200		29.31	
1947	Jan. 20	43,900		30.59	
1948	Feb. 9	24,800		26.00	
1949	Nov. 28	57,400		32.60	
1950	Mar. 14	13,900		21.16	
1951	Mar. 29	83,600		34.80	
1952	Dec. 21	26,300		26.40	
1953	Jan. 10	20,600		24.60	
1954	Jan. 17	13,800		21.00	
1955	Apr. 14	27,900		27.05	
1956	Mar. 16	31,600		28.01	
1957	Apr. 5	35,400		28.90	
1958	Feb. 7	17,800		23.14	
1959	Jan. 21	10,200		16.84	
1960	Mar. 4	9,930		17.56	
1961	Feb. 23	82,200		35.35	
1962	Dec. 18	37,800		29.41	
1963	June 24	22,100		25.13	
1964	Apr. 6	31,800		28.06	
1965	Feb. 12	17,900		23.35	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02424000 Cahaba River at Centreville—Continued

Location—Lat 32°56'42", long 87°08'21", in SE 1/4 sec. 26, T. 23 N. R. 9 E., Bibb County, Hydrologic Unit 03150202, 60 ft downstream from U.S. Highway 82 bridge. 0.2 mi west of Centreville, 2.5 mi upstream from Sandy Creek, and at mile 81.2.

Drainage area—1,027 mi².

Gage—Water-stage recorder. Datum of gage is 180.74 ft NGVD 29. Prior to Jan. 31, 1939, nonrecording gage at same site. Prior to May 1929, at datum 1.15 ft lower.

Remarks—Flow affected by regulation from Lake Purdy and diversion by Birmingham Water Works.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1966	Feb. 16	29,300		27.40	
1967	Aug. 27	9,460		17.29	
1968	Apr. 5	19,900		24.30	
1969	Jan. 20	28,500		27.08	
1970	Mar. 20	45,100		30.86	
1971	Feb. 22	24,300		25.90	
1972	Jan. 11	36,400		29.13	
1973	Mar. 31	20,600		24.49	
1974	Jan. 1	31,800		28.01	
1975	Jan. 25	22,200		25.17	
1976	Mar. 16	64,300		33.73	
1977	Mar. 30	46,700		31.15	
1978	June 9	16,800		22.89	
1979	Apr. 13	78,400		35.03	
1980	Mar. 13	42,400		30.33	
1981	Feb. 11	21,600		24.98	
1982	Apr. 20	34,400		28.65	
1983	Feb. 2	34,000		28.55	
1984	Dec. 4	40,800		29.99	
1985	Feb. 6	14,400	E	21.60	
1986	Dec. 13	4,470		10.03	
1987	Jan. 19	39,500	E	29.74	
1988	Jan. 20	12,500	E	20.10	
1989	Mar. 6	21,800		24.68	
1990	Feb. 16	65,900		33.88	

02424000 Cahaba River at Centreville—Continued

Location—Lat 32°56'42", long 87°08'21", in SE 1/4 sec. 26, T. 23 N. R. 9 E., Bibb County, Hydrologic Unit 03150202, 60 ft downstream from U.S. Highway 82 bridge. 0.2 mi west of Centreville, 2.5 mi upstream from Sandy Creek, and at mile 81.2.

Drainage area—1,027 mi².

Gage—Water-stage recorder. Datum of gage is 180.74 ft NGVD 29. Prior to Jan. 31, 1939, nonrecording gage at same site. Prior to May 1929, at datum 1.15 ft lower.

Remarks—Flow affected by regulation from Lake Purdy and diversion by Birmingham Water Works.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1991	Feb. 20	26,300		26.50	
1992	Sept. 4	11,600		17.34	
1993	Jan. 21	18,800		23.17	
1994	Apr. 16	13,900		19.73	
1995	Feb. 11	18,200		22.81	
1996	Mar. 7	33,400		28.42	
1997	Mar. 1	21,200		24.34	
1998	Jan. 8	41,800		30.21	
1999	Jan. 31	24,400		25.76	
2000	Apr. 4	36,300		29.09	
2001	Apr. 5	18,900		23.22	
2002	Jan. 25	18,300		22.10	
2003	May 19	24,200		25.47	
2004	Sept. 18	20,700		23.73	
2005	Nov. 24	23,500		25.12	
2006	Mar. 21	14,600		18.98	
2007	Jan. 8	6,450		10.97	
2008	Feb. 22	12,300		16.93	
2009	Sept. 21	32,600		28.22	
2010	Mar. 11	40,700		29.98	
2011	Mar. 10	30,000		27.56	
2012	Mar. 3	16,000		20.20	
2013	Feb. 12	15,300		19.62	
2014	Apr. 7	53,200		32.23	
2015	Dec. 28	26,100		26.29	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02437800 Barn Creek near Hackleburg

Location—Lat 34°10'34", long 87°47'21", in NW 1/4 sec. 22, T. 10 S., R. 12 W., Marion County, Hydrologic Unit 03160103, on county road, 4 mi upstream from mouth, and 8 mi southeast of Hackleburg.

Drainage area—13.1 mi².

Gage—Water-stage recorder 1959–70. Crest-stage gage 1971–73. Datum of gage is 575 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1959	Aug. 31	466	2	--	
1960	Mar. 2	935		6.84	
1961	Feb. 21	960		6.33	
1962	Apr. 11	3,960		13.39	
1963	May 26	2,480		11.27	
1964	Apr. 7	1,010		6.59	
1965	Mar. 25	972		6.39	
1966	Apr. 21	606		4.56	
1967	Apr. 26	1,220		7.62	
1968	Dec. 18	3,110		12.23	
1969	Feb. 2	926		6.16	
1970	Apr. 25	2,000		10.25	
1971	Feb. 26	1,030		6.66	
1972	Jan. 4	982		6.44	
1973	Mar. 16	5,160		14.76	

02438000 Buttahatchee River below Hamilton

Location—Lat 34°06'22", long 87°59'22", in NE 1/4 sec. 15, T. 11 S., R. 14 W., Marion County, Hydrologic Unit 03160103, on U.S. Highway 78, 0.5 mi downstream from Woods Creek, 2 mi south of Hamilton, and at mile 82.6.

Drainage area—277 mi².

Gage—Water-stage recorder. Datum of gage is 360.50 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1951	Mar. 29	24,200		26.30	
1952	Dec. 8	18,900		23.46	
1953	Apr. 30	15,000		20.10	
1954	Jan. 22	15,200		20.30	
1955	Mar. 21	17,200		22.10	
1956	Feb. 3	13,500		18.90	
1957	Jan. 31	11,000		16.60	
1958	Nov. 17	10,200		15.80	
1959	Feb. 13	4,770		9.50	
1960	Mar. 2	15,100		20.20	
1961	Feb. 21	15,400		20.58	
1962	Apr. 11	23,000		26.75	
1963	May 26	21,900		25.90	
1964	Apr. 13	10,600		16.18	
1965	Feb. 12	14,500		19.84	
1966	Apr. 21	7,250		12.65	
	1967	Apr. 26		16.65	
	1968	Dec. 18		28.33	
	1969	Feb. 2		18.90	
	1970	Dec. 30		26.13	
	1971	Feb. 26		20.71	
	1972	Jan. 4		20.61	
	1973	Mar. 16		35.49	
	1975	Mar. 13		26.95	
	1976	Oct. 17		22.92	
	1977	Mar. 4		28.23	
	1978	May 8		21.39	
	1979	Mar. 4		21.22	
	1980	Mar. 17		23.39	
	1981	Mar. 30		13.98	
	1982	Jan. 3		22.32	
	1983	May 19	E	26.56	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02438000 Buttahatchee River below Hamilton—Continued

Location—Lat 34°06'22", long 87°59'22", in NE 1/4 sec. 15, T. 11 S., R. 14 W., Marion County, Hydrologic Unit 03160103, on U.S. Highway 78, 0.5 mi downstream from Woods Creek, 2 mi south of Hamilton, and at mile 82.6.

Drainage area—277 mi².

Gage—Water-stage recorder. Datum of gage is 360.50 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1984	Dec. 3	19,900	E	24.10	
1985	May 2	21,600		25.10	
1986	May 28	5,550		10.58	
1987	Nov. 26	14,500		19.71	
1988	Sept. 17	7,850		13.32	
1989	Feb. 28	15,300		21.99	
1990	Oct. 1	12,900		19.90	
1991	Dec. 23	29,000		28.87	
1992	Dec. 2	22,700		26.24	
1993	Mar. 23	11,300		18.25	
1994	Feb. 11	20,600		25.27	
1995	Feb. 16	13,300		20.29	
1996	Dec. 18	6,890		13.05	
1997	May 3	22,000		25.92	
1998	Jan. 7	15,900		22.54	
1999	Jan. 23	15,300		21.97	
2000	Apr. 3	13,300		20.29	
2001	Apr. 4	17,500		23.40	
2002	May 3	19,000		24.38	
2003	Feb. 22	15,400		22.06	
2004	Feb. 6	19,900		24.93	
2005	Nov. 24	24,300		26.95	
2006	Jan. 17	8,460		14.81	
2007	Nov. 7	6,350		12.12	
2008	May 27	10,000		16.70	
2009	May 6	14,700		21.53	
2010	Oct. 14	12,100		18.97	
2011	Jan. 1	16,000		22.57	
2012	Jan. 11	6,580		12.43	
2013	Jan. 16	9,500		16.07	
2014	Feb. 21	9,470		16.03	
2015	July 4	12,300		19.26	

02450000 Mulberry Fork near Garden City

Location—Lat 33°59'42", long 86°44'56", in NE 1/4 sec. 16, T. 12 S., R. 2 W., Blount County, Hydrologic Unit 03160109, on U.S. Highway 31 (old), 1 mi southwest of Garden City, 5.5 mi downstream from Mud Creek, and at mile 79.2.

Drainage area—365 mi².

Gage—Water-stage recorder. Datum of gage is 380.54 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1929	Mar. 14	26,000		16.40	
1930	Nov. 14	31,900		17.96	
1931	Nov. 16	5,700		8.59	
1932	Dec. 14	13,500		12.20	
1933	Oct. 16	25,500		16.30	
1934	Mar. 3	13,500		12.18	
1935	Mar. 12	14,800		12.35	
1936	Feb. 4	60,000		24.00	
1937	Apr. 29	27,500		16.80	
1938	Apr. 8	24,600		16.00	
1939	Feb. 28	45,000		20.77	
1940	July 13	20,500		14.58	
1941	Aug. 1	41,000		20.13	
1942	Aug. 19	11,800		11.51	
1943	Dec. 28	57,500		23.62	
1944	Mar. 28	25,500		16.32	
1945	Feb. 13	19,500		14.40	
1946	Jan. 8	42,000		20.30	
1947	Jan. 20	26,000		16.34	
1948	Feb. 12	32,000		17.90	
1949	Jan. 5	43,000		20.60	
1950	Mar. 13	32,000		18.10	
1951	Mar. 29	43,500		20.62	
1952	Dec. 21	17,200		13.75	
1953	Apr. 30	20,000		14.50	
1954	Jan. 16	22,500		15.40	
1955	Mar. 22	22,500		15.40	
1956	Feb. 20	13,000		12.30	
1957	Jan. 31	17,500		13.70	
1958	Nov. 18	32,000		18.10	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02450000 Mulberry Fork near Garden City—Continued

Location—Lat 33°59'42", long 86°44'56", in NE 1/4 sec. 16, T.

12 S., R. 2 W., Blount County, Hydrologic Unit 03160109, on U.S. Highway 31 (old), 1 mi southwest of Garden City, 5.5 mi downstream from Mud Creek, and at mile 79.2.

Drainage area—365 mi².

Gage—Water-stage recorder. Datum of gage is 380.54 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1959	Jan. 21	14,700		12.70	
1960	Mar. 3	23,900		15.85	
1961	Feb. 22	34,000		18.54	
1962	Dec. 18	45,100		20.93	
1963	Apr. 30	22,500		15.42	
1964	Apr. 13	45,000		20.81	
1965	Mar. 26	35,000		18.82	
1966	Mar. 4	33,000		18.27	
1967	Apr. 26	21,000		14.92	
1969	May 18	26,250		16.47	
1970	Apr. 26	23,750		15.78	
1971	July 16	46,000		20.97	
1972	Jan. 4	21,900		16.00	
1973	Mar. 16	34,000		18.40	
1974	Dec. 26	46,000		20.95	
1975	Mar. 13	32,500		17.96	
1976	May 14	13,400		12.18	
1977	Mar. 12	39,950		19.62	
1978	Oct. 26	6,100		8.94	
1979	Mar. 4	46,500		20.99	
1980	Mar. 21	37,000		19.27	
1981	Mar. 30	7,240		9.43	
1982	Jan. 3	53,000		22.45	
1983	May 19	16,800		13.55	
1984	May 3	28,100		17.00	
1985	July 27	21,000		14.96	
1986	Mar. 13	5,460		8.41	
1987	Jan. 19	17,700		13.90	

02450000 Mulberry Fork near Garden City—Continued

Location—Lat 33°59'42", long 86°44'56", in NE 1/4 sec. 16, T.

12 S., R. 2 W., Blount County, Hydrologic Unit 03160109, on U.S. Highway 31 (old), 1 mi southwest of Garden City, 5.5 mi downstream from Mud Creek, and at mile 79.2.

Drainage area—365 mi².

Gage—Water-stage recorder. Datum of gage is 380.54 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1988	Jan. 20	13,600		12.30	
1989	Feb. 28	21,500		15.42	
1990	Feb. 16	67,000		25.04	
1991	Dec. 23	29,600		17.18	
1992	Feb. 15	8,200		9.93	
1993	Jan. 12	17,800		13.92	
1994	Feb. 11	49,600		21.97	
1995	Feb. 16	15,600		13.12	
1996	Mar. 7	19,400		14.48	
1997	June 22	33,700		18.42	
1998	Jan. 7	42,000		20.08	
1999	Jan. 23	29,000		17.12	
2001	Mar. 20	24,700		16.07	
2002	Jan. 25	28,200		17.02	
2003	Feb. 27	22,200		15.33	
2004	Feb. 6	36,500		19.08	
2005	Dec. 9	35,800		18.93	
2006	Jan. 17	7,760		9.78	
2007	Oct. 20	9,680		10.66	
2008	Feb. 6	8,480		10.13	
2009	Jan. 6	65,200		24.81	
2010	May 3	46,100		21.24	
2011	Mar. 9	47,100		21.46	
2012	Jan. 11	19,500		14.49	
2013	Jan. 15	25,200		21.04	
2014	Apr. 7	22,500		19.99	
2015	Jan. 4	16,000		17.13	
2016	--	90,000		--	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02450180 Mulberry Fork near Arkadelphia

Location—Lat 33°52'19", long 86°55'20", in NE 1/4 sec. 35, T. 13 S., R. 4 W., Blount County, Hydrologic Unit 03160109, 200ft upstream from county road, 4 mi south of Arkadelphia, and at mile 58.6.

Drainage area—487 mi².

Gage—Water-stage recorder. Datum of gage is 270.23 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1977	Mar. 13	23,400		34.28	
1978	Oct. 26	12,900		26.28	
1979	Apr. 14	37,000		39.11	
1981	Mar. 30	6,430		18.36	
1982	Jan. 4	28,000		36.32	
1983	May 20	13,600		27.60	
1984	May 4	17,100		30.06	
1985	July 28	13,300		27.59	
1986	Mar. 13	5,050		13.68	
1989	Jan. 13	18,400		29.94	
1990	Feb. 16	51,700		42.90	
1991	Feb. 20	20,000		30.50	
1992	Feb. 25	7,800		19.20	
1993	Jan. 12	13,300		26.19	
1994	Feb. 11	32,300		36.27	
1995	Feb. 17	12,700		25.70	
1996	Jan. 27	16,500		28.46	
1997	June 23	15,300		27.61	
1998	Jan. 8	30,000	2	35.30	5
1999	Jan. 23	17,600		29.90	
2000	Apr. 4	25,100		33.16	
2001	Mar. 21	17,100		28.86	
2002	Jan. 25	18,400		29.67	
2003	Feb. 22	13,300		26.18	
2004	Feb. 6	25,000		33.15	
2005	Dec. 10	18,800		29.92	
2006	May 11	6,910		17.27	
2007	Jan. 1	6,540		16.47	
2008	Feb. 6	6,120		15.56	
2009	Jan. 7	44,500		40.65	
2010	May 3	24,600		32.95	
2011	Mar. 10	31,600		36.00	
2012	Jan. 12	15,900		28.17	

02450180 Mulberry Fork near Arkadelphia—Continued

Location—Lat 33°52'19", long 86°55'20", in NE 1/4 sec. 35, T. 13 S., R. 4 W., Blount County, Hydrologic Unit 03160109, 200 ft upstream from county road, 4 mi south of Arkadelphia, and at mile 58.6.

Drainage area—487 mi².

Gage—Water-stage recorder. Datum of gage is 270.23 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
2013	Jan. 15	26,000		34.14	
2014	Apr. 7	19,400		30.24	
2015	Jan. 4	14,500		26.76	
2016	Dec. 26	14,000		26.44	

02450200 Dorsey Creek near Arkadelphia

Location—Lat 33°57'10", long 87°00'14", in SW 1/4 sec. 31, T. 12 S., R. 4 W., Cullman County, Hydrologic Unit 03160109, on county road, 4 mi northwest of Arkadelphia, and 8 mi upstream from mouth.

Drainage area—13.0 mi².

Gage—Water-stage recorder 1959–67. Crest-stage gage 1968–74. Datum of gage is 430 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1959	Jan. 21	894		5.20	
1960	Mar. 2	1,370		6.64	
1961	Feb. 20	2,550		9.41	
1962	Apr. 11	2,630		9.58	
1963	Mar. 12	1,040		5.74	
1964	Apr. 13	2,850		10.02	
1965	Mar. 26	1,740		7.53	
1966	Mar. 3	2,140		8.48	
1967	July 7	1,030		5.71	
1968	Jan. 10	1,730		7.50	
1969	Apr. 10	834		5.13	
1970	Mar. 19	1,310		6.45	
1971	Feb. 26	1,570		7.11	
1972	Jan. 4	865		5.22	
1973	Mar. 16	2,090		8.37	
1974	Dec. 26	2,480		9.25	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02450250 Sipsey Fork near Grayson

Location—Lat 34°17'07", long 87°23'56", in NW 1/4 sec. 8, T. 9 S., R. 8 W., Winston County, Hydrologic Unit 03160110, Bankhead National Forest, on Cranal Road, 0.5 mi downstream from Borden Creek, 4.5 mi west of Grayson, 14 mi northeast of Haleyville, and 64.1 mi upstream from mouth.

Drainage area—92.1 mi².

Gage—Water-stage recorder. Datum of gage is 540 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1967	Dec. 9	6,600		24.48	
1968	Dec. 18	14,200		38.29	
1969	Feb. 2	6,700		24.54	
1970	Dec. 30	11,000		33.48	
1971	Feb. 26	7,000		25.10	
1972	Jan. 4	6,030		23.20	
1973	Mar. 16	20,300		44.27	
1974	Feb. 2	4,260		18.70	
1975	Jan. 10	2,850		14.50	
1976	Oct. 17	13,000		36.20	
1977	Mar. 4	11,000		33.54	
1978	May 8	7,980		26.98	
1979	Apr. 13	6,700		24.69	
1980	Mar. 7	7,700		26.93	
1981	Mar. 30	3,100		15.25	
1982	Jan. 3	8,100		27.87	
1983	May 19	11,100		33.66	
1984	May 3	10,900		33.37	
1985	May 1	6,900		25.00	
1986	May 28	3,110		15.24	
1987	Jan. 19	5,600		21.93	
1988	Jan. 19	4,650		19.68	
1989	Mar. 5	8,000		27.55	
1990	Feb. 16	5,070		20.52	
1991	Dec. 23	11,300		33.66	

02450250 Sipsey Fork near Grayson—Continued

Location—Lat 34°17'07", long 87°23'56", in NW 1/4 sec. 8, T. 9 S., R. 8 W., Winston County, Hydrologic Unit 03160110, Bankhead National Forest, on Cranal Road, 0.5 mi downstream from Borden Creek, 4.5 mi west of Grayson, 14 mi northeast of Haleyville, and 64.1 mi upstream from mouth.

Drainage area—92.1 mi².

Gage—Water-stage recorder. Datum of gage is 540 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1992	Dec. 2	5,880		22.48	
1993	Mar. 23	7,110		25.37	
1994	Feb. 11	9,070		29.66	
1995	Feb. 17	10,000	2	31.60	5
1996	Mar. 6	4,680		19.49	
1997	May 3	10,100		31.77	
1998	Jan. 7	9,130		29.79	
1999	Jan. 23	13,500		36.78	
2000	Apr. 3	6,970		25.04	
2001	Apr. 3	7,300		25.84	
2002	Dec. 14	8,500		28.68	
2003	Feb. 22	8,660		29.02	
2004	Feb. 6	10,800		33.13	
2005	Dec. 7	6,940		25.18	
2006	Jan. 17	4,560		19.33	
2007	Dec. 31	3,020		15.04	
2008	Mar. 4	2,940		14.80	
2009	Sept. 17	5,750		22.35	
2010	Dec. 9	7,850		27.22	
2011	Jan. 1	9,340		30.45	
2012	Jan. 11	3,810		17.30	
2013	July 6	6,200		23.43	
2014	Feb. 21	4,760		19.85	
2015	Dec. 24	5,880		22.65	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02450825 Clear Creek at New Hope Church near Poplar Spring

Location—Lat 34°04'52", long 87°16'22", in NE 1/4 sec. 19, T. 11 S., R. 8 W., Winston County Hydrologic Unit 03160110, on left bank 150 ft downstream of bridge on county road at New Hope Church, 4.5 mi northeast of Poplar Spring, and 6.1 mi southeast of Double Springs.

Drainage area—101 mi².

Gage—Water-stage recorder. Datum of gage is 565 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1946	1946	10,000	2,7,B	--	
1981	Nov. 24	2,510		6.49	
1982	Jan. 3	6,750	7	12.25	
1983	Mar. 5	9,680	7	15.74	
1994	Feb. 11	7,920		13.67	
1995	Apr. 21	4,440		9.25	
1996	Jan. 27	2,340		6.14	
1997	May 3	9,000	2	15.00	5
1998	Jan. 7	9,190		15.18	
1999	Jan. 23	11,500		17.74	
2000	Apr. 3	6,580		12.04	
2001	Apr. 4	9,740		15.82	
2002	Dec. 14	6,480		11.91	
2003	Feb. 22	7,160		13.59	
2004	Feb. 6	4,040		8.87	
2005	Dec. 7	5,690		11.43	
2006	Jan. 17	3,080		7.31	
2007	Nov. 7	2,920		7.03	
2008	Mar. 4	1,950		5.34	
2009	Jan. 7	5,160		10.63	
2010	Dec. 9	7,070		13.46	
2011	Jan. 1	7,150		13.59	
2012	Jan. 11	4,090		8.98	
2013	July 4	4,040		8.90	
2014	Apr. 7	3,060		7.31	
2015	Dec. 24	4,110		9.01	

02453950 Lost Creek near Jasper

Location—Lat 33°48'56", long 87°23'02", in NW 1/4 sec. 21, T. 14 S., R. 8 W., Walker County Hydrologic Unit 03160109, at bridge on U.S. Highway 78, 6 mi west of Jasper.

Drainage area—115 mi².

Gage—Crest-stage gage. Datum not available.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1951	Mar. 29	11,600		24.80	
1952	Mar. 11	4,900		17.20	
1954	Jan. 16	7,100		20.00	
1955	Feb. 6	8,100		21.20	
1956	Mar. 15	5,100		17.40	
1957	Apr. 5	5,300		17.70	
1958	Nov. 19	10,000		23.40	
1959	Jan. 21	2,990		16.30	
1960	Mar. 3	6,800		21.70	
1961	Feb. 23	11,900		24.75	
1962	Dec. 18	8,800		22.95	
1963	Mar. 13	3,600		18.67	
1964	Apr. 14	10,100		23.95	
1965	Feb. 12	6,530		21.50	
1966	Apr. 28	4,050		19.21	
1967	Feb. 20	3,070		16.70	
1968	Jan. 10	9,060		23.30	
1969	Feb. 2	3,090		16.76	
1970	Mar. 20	6,940		21.80	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02454000 Lost Creek near Oakman

Location—Lat 33°45'50", long 87°21'30", in SE 1/4 sec. 3, T. 15 S., R. 8 W., Walker County, Hydrologic Unit 03160109, on State Highway 69, 0.2 mi upstream from Wolf Branch, 0.8 mi downstream from Pumpkin Creek, 4.0 mi northeast of Oakman, 6.5 mi southwest of Jasper, and at mile 24.8.

Drainage area—134 mi².

Gage—Water-stage recorder. Datum of gage is 280 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1951	Mar. 29	13,300	2	--	
1952	Dec. 21	3,550		16.50	
1953	Feb. 22	4,000		17.50	
1954	Jan. 16	4,100		17.68	
1955	Feb. 7	4,500		18.80	
1956	Feb. 4	3,200		15.00	
1957	Feb. 1	3,290		15.40	
1958	Nov. 19	7,700		24.90	
1959	Jan. 21	3,260		15.30	
1960	Mar. 3	5,180		20.50	
1961	Feb. 23	19,400		30.73	
1962	Dec. 18	7,600		24.86	
1963	Mar. 19	3,550		16.19	
1964	Apr. 13	10,100		27.35	
1965	Feb. 12	4,960		19.83	
1966	Apr. 28	4,210		18.18	
1967	Feb. 20	3,370		15.56	
1968	Jan. 11	7,600		24.70	
1969	Feb. 2	3,500		15.89	
1970	Mar. 20	6,700		23.49	
1979	Apr. 13	10,800		27.92	
1980	Mar. 21	5,350		21.02	
1981	Mar. 31	3,600		16.31	

02454055 Lost Creek above Parrish, Ala.

Location—Lat 33°44'30", long 87°19'37" referenced to North American Datum of 1927, Walker County, AL, Hydrologic Unit 03160109, on downstream side of bridge on Browns Bridge Road, 1 mi north of County Road 20 (East), 3 mi northwest of Parrish, 3.4 mi west of Oakman, and 16.8 mi above mouth.

Drainage area—143 mi².

Gage—Water-stage recorder. Elevation of gage is 280 ft above NGVD of 1929, from topographic map.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1993	Jan. 12	3,900		18.36	
1994	Mar. 28	10,600		29.48	
1995	Feb. 17	4,170		18.63	
1996	Jan. 27	5,210		20.72	
1997	May 4	6,210		22.58	
1998	Jan. 8	7,290		24.22	
1999	Jan. 24	5,240		20.55	
2000	Apr. 4	6,650		23.14	
2001	Apr. 5	5,990		22.79	
2002	Dec. 15	6,520		23.70	
2003	May 7	6,160		23.08	
2004	Feb. 7	8,200		26.07	
2005	Dec. 10	5,170		21.30	
2006	Feb. 23	3,200		16.74	
2007	Jan. 1	4,240		18.22	
2008	Mar. 5	4,360		18.47	
2009	Jan. 7	8,770		29.58	
2010	Apr. 25	4,500		20.62	
2011	Mar. 10	6,280		24.64	
2012	Jan. 12	3,420		17.88	
2013	Jan. 16	5,420		22.76	
2014	Apr. 7	4,680		21.04	
2015	Jan. 4	4,120		19.69	
2016	Dec. 27	5,820		25.72	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02455000 Locust Fork near Cleveland

Location—Lat 34°01'28", long 86°34'27", in NE 1/4 sec. 6, T. 12 S., R. 1 E., Blount County, Hydrologic Unit 03160111, 200 ft upstream from U.S. Highway 231, 2.5 mi downstream from Graves Creek, 3 mi north of Cleveland, and at mile 98.6.

Drainage area—303 mi².

Gage—Water-stage recorder. Datum of gage is 536.94 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1941	Aug. 1	17,000		14.00	
1942	Feb. 17	8,100		10.00	
1943	Dec. 28	34,000		19.20	
1944	Feb. 27	9,600		10.80	
1945	Feb. 13	12,000		12.00	
1946	Feb. 10	14,000		12.90	
1947	Jan. 20	11,500		11.76	
1948	Feb. 14	10,000		11.00	
1949	Jan. 5	22,500		15.90	
1950	Mar. 13	16,000		13.70	
1951	Mar. 29	18,000		14.54	
1952	Dec. 21	9,600		10.90	
1953	Jan. 10	7,400		9.60	
1954	Jan. 16	11,700		11.80	
1955	Feb. 6	7,800		9.80	
1956	Apr. 16	7,700		9.70	
1957	Feb. 3	5,600		8.60	
1958	Nov. 19	5,600		8.60	
1959	Jan. 22	5,500		8.40	
1960	Mar. 3	8,100		10.00	
1961	Feb. 22	16,900		13.91	
1962	Dec. 18	13,500		12.62	
1963	Apr. 30	13,000		12.51	
1964	Apr. 14	15,000	1	--	
1965	Mar. 26	9,570		10.70	
1966	Mar. 4	9,400		10.61	
1967	Apr. 26	9,000		10.49	
1968	Jan. 10	9,850		10.94	
1969	May 18	6,100		8.88	
1970	Mar. 20	7,650		9.66	

02455000 Locust Fork near Cleveland—Continued

Location—Lat 34°01'28", long 86°34'27", in NE 1/4 sec. 6, T. 12 S., R. 1 E., Blount County, Hydrologic Unit 03160111, 200 ft upstream from U.S. Highway 231, 2.5 mi downstream from Graves Creek, 3 mi north of Cleveland, and at mile 98.6.

Drainage area—303 mi².

Gage—Water-stage recorder. Datum of gage is 536.94 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1971	July 16	13,900		12.75	
1972	Jan. 4	7,800		9.80	
1973	May 28	8,600		10.29	
1974	Dec. 26	6,500		9.05	
1975	Mar. 14	8,700		10.36	
1976	Mar. 30	10,800		11.35	
1977	Mar. 13	17,500		14.13	
1978	May 9	8,100		9.99	
1979	Apr. 13	20,200		15.30	
1980	Mar. 17	12,800		12.35	
1981	Mar. 31	6,600		9.11	
1982	Jan. 4	26,400		17.05	
1983	Dec. 1	14,600		12.91	
1984	Dec. 28	12,300		11.88	
1985	Feb. 1	7,550	E	9.69	
1986	May 28	6,400		9.00	
1987	Jan. 19	8,450		10.20	
1988	Sept. 18	5,400		8.34	
1989	Feb. 28	11,400		11.45	
1990	Feb. 16	24,400		16.46	
1991	Feb. 20	12,300		11.85	
1992	Feb. 26	7,200		9.45	
1993	Jan. 12	9,500		10.73	
1994	Mar. 28	9,000		10.44	
1995	Feb. 16	10,700		11.30	
1996	Oct. 5	16,800		13.76	
1997	May 3	17,300		13.96	
1998	Jan. 8	17,800		14.13	
1999	Jan. 23	8,500		10.22	
2000	Apr. 4	14,500		12.78	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02455000 Locust Fork near Cleveland—Continued

Location—Lat 34°01'28", long 86°34'27", in NE 1/4 sec. 6, T. 12 S., R. 1 E., Blount County, Hydrologic Unit 03160111, 200 ft upstream from U.S. Highway 231, 2.5 mi downstream from Graves Creek, 3 mi north of Cleveland, and at mile 98.6.

Drainage area—303 mi².

Gage—Water-stage recorder. Datum of gage is 536.94 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
2001	Mar. 20	9,520		10.76	
2002	Jan. 25	11,500		11.47	
2003	Mar. 6	11,800		11.57	
2004	Feb. 6	12,600		12.21	
2005	Nov. 24	14,600		13.06	
2006	May 11	4,480		7.54	
2007	Jan. 8	3,860		7.53	
2008	Aug. 26	5,370		8.28	
2009	Jan. 7	21,500		15.62	
2010	May 3	10,400		11.20	
2011	Sept. 6	16,000		13.64	
2012	Jan. 26	13,700		12.69	
2013	Jan. 15	13,600		12.65	
2014	Feb. 21	8,430		10.18	
2015	Jan. 4	7,410		9.61	

02455500 Locust Fork at Trafford—Continued

Location—Lat 33°49'49", long 86°45'21", in SW 1/4 sec. 9, T. 14 S., R. 2 W., Jefferson County, Hydrologic Unit 03160111, 0.8 mi northwest of Trafford, 1.5 mi east of Coaldale, 2.8 mi upstream from Gurley Creek, and at mile 67.4.

Drainage area—624 mi².

Gage—Water-stage recorder. Datum of gage is 309.12 ft NGVD 29.

Remarks—Records include effects of diversion upstream on Blackburn Fork by Birmingham Water Works.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1908	--	62,400	2,7,B	60.00	
1929	--	37,000	2,B	--	
1930	--	54,000	2,B	--	

02455500 Locust Fork at Trafford—Continued

Location—Lat 33°49'49", long 86°45'21", in SW 1/4 sec. 9, T. 14 S., R. 2 W., Jefferson County, Hydrologic Unit 03160111, 0.8 mi northwest of Trafford, 1.5 mi east of Coaldale, 2.8 mi upstream from Gurley Creek, and at mile 67.4.

Drainage area—624 mi².

Gage—Water-stage recorder. Datum of gage is 309.12 ft NGVD 29.

Remarks—Records include effects of diversion upstream on Blackburn Fork by Birmingham Water Works.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1931	Nov. 17	20,000		31.50	
1932	Jan. 30	22,200		33.50	
1933	Dec. 12	19,700		31.15	
1934	Mar. 4	22,000		33.91	
1935	Oct. 11	28,100		38.95	
1936	Feb. 4	45,500		50.25	
1937	Jan. 3	30,300		40.30	2
1938	Apr. 9	37,000		44.80	2
1939	Feb. 28	17,600		29.10	2
1940	Apr. 4	13,700		--	
1941	Aug. 1	28,000		38.03	
1942	Feb. 17	24,300		35.36	2
1943	Dec. 29	55,800		56.38	
1944	Mar. 29	24,300		35.60	2
1945	Feb. 13	23,500		34.60	2
1946	Feb. 10	38,000		45.60	
1947	Jan. 16	32,400		41.50	2
1948	Feb. 14	22,600		33.80	2
1949	Jan. 6	60,700		59.10	
1950	Mar. 14	43,000		48.50	2
1951	Mar. 29	51,100		53.20	2
1952	Dec. 21	18,000	1	--	
1953	Jan. 10	16,100		28.20	
1954	Jan. 16	30,000		40.40	
1955	Feb. 7	18,600		30.70	
1956	Apr. 16	19,000		31.10	
1957	Feb. 4	13,600		25.50	
1958	Nov. 19	10,800		22.20	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02455500 Locust Fork at Trafford—Continued

Location—Lat 33°49'49", long 86°45'21", in SW 1/4 sec. 9, T. 14 S., R. 2 W., Jefferson County, Hydrologic Unit 03160111, 0.8 mi northwest of Trafford, 1.5 mi east of Coaldale, 2.8 mi upstream from Gurley Creek, and at mile 67.4.

Drainage area—624 mi².

Gage—Water-stage recorder. Datum of gage is 309.12 ft NGVD 29.

Remarks—Records include effects of diversion upstream on Blackburn Fork by Birmingham Water Works.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1959	Jan. 22	12,300		24.00	
1960	Mar. 3	21,900		33.80	
1961	Feb. 23	47,000		53.38	
1962	Dec. 19	31,400		43.81	
1963	Apr. 30	20,700		35.05	
1964	Apr. 14	21,300		35.65	
1965	Mar. 27	15,600		30.14	
1966	Mar. 4	13,800		28.15	
1967	Feb. 21	11,900		25.90	
1968	Jan. 10	21,300		35.10	
1969	May 19	18,800		32.90	
1970	Mar. 20	36,900	2	--	
1971	Feb. 23	18,900	2	--	
1972	Jan. 5	20,500	2	--	
1973	Apr. 27	21,200	2	--	
1974	Apr. 13	16,500	2	--	
1975	Mar. 15	21,000	2	--	
1976	Mar. 31	30,400	2	--	
1977	Apr. 6	35,700	2	--	
1978	Oct. 9	15,500	2	--	
1979	Apr. 14	45,000	2	--	
1980	Mar. 19	31,500	2	--	
1993	Jan. 13	18,600		33.15	
1994	Mar. 28	16,100		30.67	
1995	Feb. 17	14,900		29.39	
1996	Jan. 27	30,000	2	43.00	5
1997	May 4	26,100		39.77	

02456000 Turkey Creek at Morris

Location—Lat 33°44'25", long 86°48'45", in SW 1/4 sec. 12, T. 15 S., R. 3 W., Jefferson County, Hydrologic Unit 03160111, on (county road) former U.S. Highway 31 at Morris, 0.8 mi downstream from Cunningham Creek, and at mile 4.0.

Drainage area—80.9 mi².

Gage—Water-stage recorder. Datum of gage is 345.18 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1943	--	13,000	7,B	22.60	
1944	Mar. 29	3,510		11.00	
1945	Feb. 13	6,410		15.30	
1946	Feb. 10	9,500		18.70	
1947	Jan. 15	9,600		19.00	
1948	Feb. 9	2,530		9.10	
1949	Nov. 28	14,300		23.10	
1950	Mar. 13	7,600		16.60	
1951	Mar. 29	11,100		20.10	
1952	Dec. 20	5,820		14.60	
1953	Jan. 9	6,320		15.20	
1954	Jan. 16	6,260		15.13	
1955	Feb. 6	5,520		14.23	
1956	Apr. 6	5,670		14.40	
1957	Apr. 4	4,420		12.50	
1958	Dec. 20	2,160		8.30	
1959	Mar. 11	3,130		10.30	
1960	Mar. 2	5,390		13.99	
1961	Feb. 21	13,000		21.88	
1962	Dec. 18	11,000		20.09	
1963	Apr. 30	4,480		12.59	
1964	Mar. 15	6,770		15.70	
1965	Feb. 12	2,630		9.15	
1966	Apr. 27	7,670		16.67	
1967	Feb. 20	540		3.40	
1968	Mar. 11	2,470		8.81	
1969	May 18	6,260		15.13	
1970	Mar. 19	14,000		23.12	
1971	Feb. 5	4,060		11.92	
1972	Jan. 10	9,300		18.30	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02456000 Turkey Creek at Morris—Continued

Location—Lat 33°44'25", long 86°48'45", in SW 1/4 sec. 12, T.

15 S., R. 3 W., Jefferson County, Hydrologic Unit 03160111, on (county road) former U.S. Highway 31 at Morris, 0.8 mi downstream from Cunningham Creek, and at mile 4.0.

Drainage area—80.9 mi².

Gage—Water-stage recorder. Datum of gage is 345.18 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1973	Mar. 31	5,260		13.80	
1974	Apr. 13	6,860		15.80	
1975	Jan. 25	5,990		14.81	
1976	Mar. 31	6,380		15.20	
1977	Apr. 4	11,700		21.14	
1978	Oct. 9	6,780		15.43	
1979	Apr. 13	10,700		19.55	
2003	May 7	15,800		24.95	
2004	Feb. 6	13,200		22.54	
2005	Nov. 24	10,700		20.10	
2006	Feb. 6	4,190		11.91	
2007	Dec. 31	1,110		5.00	
2008	May 11	3,740		11.18	
2009	Jan. 7	5,470		13.82	
2010	Nov. 10	4,580		12.52	
2011	Sept. 6	10,200		19.57	

02456500 Locust Fork at Sayre

Location—Lat 33°42'35", long 86°59'00", in NW 1/4 sec. 29, T.

15 S., R. 4 W., Jefferson county, Hydrologic Unit 03160111, 150 ft upstream from county road at Sayre, 1.5 mi downstream from Camp Creek, and at mile 33.9.

Drainage area—885 mi².

Gage—Water-stage recorder. Datum of gage is 258.64 ft NGVD 29.

Remarks—Record include effects of diversion upstream on Blackburn Fork by Birmingham Water Works.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1908	--	56,000	2,7,B	--	
1942	Aug. 21	6,500	2	13.20	
1943	Dec. 29	49,400		45.00	
1944	Mar. 30	27,500		32.01	
1945	Feb. 14	22,800		29.50	
1946	Feb. 11	37,500		38.90	
1947	Jan. 16	29,800		34.50	
1948	Feb. 15	20,900		27.90	
1949	Jan. 7	55,300		47.90	
1950	Mar. 14	39,400		40.00	
1951	Mar. 30	47,200		43.90	
1952	Dec. 21	23,500		29.96	
1953	Jan. 10	18,900		26.20	
1954	Jan. 17	27,600		33.00	
1955	Feb. 7	20,200		27.32	
1956	Apr. 17	17,400		24.80	
1957	Apr. 5	15,300		22.80	
	Nov. 19	11,300		18.50	
	Jan. 22	12,300		19.70	
	Mar. 4	20,500		27.60	
	Feb. 23	54,700		48.60	
	Dec. 19	32,600		35.73	
	May 1	20,100		26.98	
	Mar. 16	23,600		29.51	
	Mar. 27	16,000		23.45	
	Mar. 5	16,500		23.99	
	Feb. 21	12,700		20.24	
	Jan. 11	23,100		29.14	
	May 19	26,200		31.38	
	Mar. 20	34,900		37.16	
	Feb. 23	19,300		26.38	
	Jan. 5	20,800		27.47	
	Apr. 27	21,300		27.89	
	Apr. 13	17,000		24.41	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02456500 Locust Fork at Sayre—Continued

Location—Lat 33°42'35", long 86°59'00", in NW 1/4 sec. 29, T. 15 S., R. 4 W., Jefferson county, Hydrologic Unit 03160111, 150 ft upstream from county road at Sayre, 1.5 mi downstream from Camp Creek, and at mile 33.9.

Drainage area—885 mi².

Gage—Water-stage recorder. Datum of gage is 258.64 ft NGVD 29.

Remarks—Record include effects of diversion upstream on Blackburn Fork by Birmingham Water Works.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1975	Mar. 15	21,100		26.69	
1976	Mar. 31	29,200		33.41	
1977	Apr. 6	33,900		36.54	
1978	Oct. 9	16,200		23.64	
1979	Apr. 14	41,800		41.40	
1980	Mar. 19	30,300		34.17	
1981	Mar. 30	18,100		25.04	
1982	Jan. 5	30,200		34.17	
1983	May 21	34,200		36.77	
1984	Dec. 4	24,200		29.96	
1985	July 28	21,500		27.88	
1986	May 29	5,900		12.44	
1987	Mar. 1	20,400		27.06	
1988	Jan. 20	8,940		16.12	
1989	Mar. 1	21,600		27.96	
1990	Feb. 17	42,400		41.79	
1991	Feb. 21	18,800		25.74	
1992	Feb. 26	14,700		22.00	
1993	Jan. 13	18,000		25.00	
1994	Mar. 29	21,300		27.80	
1995	Mar. 9	17,200		24.33	
1996	Jan. 28	32,200		35.47	
1997	May 4	24,100		29.92	
1998	Jan. 9	33,000		36.02	
1999	June 29	17,800		24.89	
2000	Apr. 4	32,500		35.68	
2001	Apr. 4	28,700		33.19	
2002	Jan. 26	20,400		27.01	
2003	May 8	34,200		36.75	
2004	Feb. 7	28,000		32.71	
2005	Nov. 25	33,400		36.28	
2006	Apr. 21	9,580		16.84	
2007	Jan. 8	5,710		12.20	
2008	May 11	7,950		14.97	

02456500 Locust Fork at Sayre—Continued

Location—Lat 33°42'35", long 86°59'00", in NW 1/4 sec. 29, T. 15 S., R. 4 W., Jefferson county, Hydrologic Unit 03160111, 150 ft upstream from county road at Sayre, 1.5 mi downstream from Camp Creek, and at mile 33.9.

Drainage area—885 mi².

Gage—Water-stage recorder. Datum of gage is 258.64 ft NGVD 29.

Remarks—Record include effects of diversion upstream on Blackburn Fork by Birmingham Water Works.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
2009	Jan. 8	39,800		39.10	
2010	Mar. 11	21,000		27.52	
2011	Sept. 7	26,100		31.30	
2012	Jan. 28	17,200		24.40	
2013	Jan. 16	24,800		30.41	
2014	Apr. 8	25,000		30.55	
2015	Jan. 5	15,000		22.26	
2016	Dec. 27	37,000		37.39	

02462000 Valley Creek near Oak Grove

Location—Lat 33°26'50", long 87°07'20", in NW 1/4 sec. 25, T. 18 S., R. 6 W., Jefferson County, Hydrologic Unit 03160112, near center of span on downstream side of highway bridge, 1,000 ft downstream from Raccoon Branch, 1.5 mi east of Oak Grove, 10.5 mi west of Bessemer, and 18.2 mi upstream from mouth.

Drainage area—148 mi².

Gage—Water-stage recorder. Datum of gage is 438.64 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1916	--	26,800	7,B	29.60	
1936	--	20,000	7,B	28.00	
1954	Jan. 16	8,570		20.70	
1955	Feb. 6	8,520		20.55	
1956	Apr. 6	8,520		20.65	
1957	Apr. 4	8,170		19.80	
1958	Feb. 6	6,390		15.75	
1959	May 31	7,510		18.30	
1960	Mar. 3	5,650		14.20	
1961	Feb. 21	23,000		28.86	
1962	Dec. 18	12,700		25.12	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02462000 Valley Creek near Oak Grove—Continued

Location—Lat 33°26'50", long 87°07'20", in NW 1/4 sec. 25, T. 18

S., R. 6 W., Jefferson County, Hydrologic Unit 03160112, near center of span on downstream side of highway bridge, 1,000 ft down-stream from Raccoon Branch, 1.5 mi east of Oak Grove, 10.5 mi west of Bessemer, and 18.2 mi upstream from mouth.

Drainage area—148 mi².

Gage—Water-stage recorder. Datum of gage is 438.64 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1963	Jan. 19	7,680		19.09	
1964	Apr. 6	10,200		23.29	
1965	Feb. 11	7,690		19.12	
1966	Apr. 27	6,490		16.50	
1967	July 30	3,840		10.76	
1968	Dec. 15	6,540		16.62	
1969	May 19	11,800		24.73	
1970	Mar. 20	21,500		28.43	
1971	Feb. 5	7,340		18.36	
1972	Jan. 11	7,970		19.73	
1973	Apr. 1	8,070		19.95	
1974	Apr. 13	8,650		21.09	
1975	Jan. 25	8,970		21.61	
1976	Mar. 27	13,300		25.39	
1977	Sept. 7	8,680		21.14	
1978	Oct. 25	8,860		21.44	
1979	Apr. 13	26,300		29.80	
1980	Mar. 17	9,920		22.96	
1981	Mar. 30	8,730		21.21	
1982	Jan. 19	7,660		18.61	
1983	May 19	14,000		25.41	
1984	Dec. 4	32,000		33.98	
1985	Feb. 5	5,450		13.90	
1986	Nov. 28	3,360		9.41	
1987	Jan. 19	6,420		16.06	
1988	Jan. 20	5,000		12.92	
1989	Mar. 5	7,070		17.44	

02462000 Valley Creek near Oak Grove—Continued

Location—Lat 33°26'50", long 87°07'20", in NW 1/4 sec. 25, T. 18

S., R. 6 W., Jefferson County, Hydrologic Unit 03160112, near center of span on downstream side of highway bridge, 1,000 ft down-stream from Raccoon Branch, 1.5 mi east of Oak Grove, 10.5 mi west of Bessemer, and 18.2 mi upstream from mouth.

Drainage area—148 mi².

Gage—Water-stage recorder. Datum of gage is 438.64 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1990	Feb. 16	10,100		22.33	
1991	May 12	7,340		17.98	
1992	Feb. 26	3,540		9.79	
1993	Jan. 12	6,220		15.61	
1994	Apr. 6	6,000		15.12	
1995	Mar. 8	4,830		12.55	
1996	Jan. 27	16,400		26.71	
1997	Apr. 27	3,710		10.14	
1998	Jan. 7	10,700		22.87	
1999	Jan. 23	6,480		16.18	
2000	Mar. 11	9,230		21.23	
2001	Sept. 3	9,160		21.13	
2002	Dec. 14	6,780		16.86	
2003	Dec. 24	6,670		16.62	
2004	Feb. 6	11,200		23.38	
2005	July 11	6,480		16.18	
2006	Feb. 6	5,860		14.41	
2007	Oct. 19	2,460		7.40	
2008	May 15	4,500		11.83	
2009	Feb. 28	5,840		14.77	
2010	Nov. 11	8,060		19.43	
2011	Sept. 6	9,190		21.17	
2012	Jan. 26	6,200		15.57	
2013	Jan. 14	6,140		15.44	
2014	Apr. 7	11,100		23.28	
2015	Jan. 4	7,570		18.45	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02462600 Blue Creek near Oakman

Location—Lat 33°31'17", long 87°29'07", in SW 1/4 sec. 33, T. 17 S., R. 9 W., Tuscaloosa County, Hydrologic Unit 03160112, on State Highway 69, 1.5 mi southwest of Wiley, 2 mi upstream from McDuff Spring Branch, 12.6 mi upstream from mouth, and 14 mi southwest of Oakman.

Drainage area—5.32 mi².

Gage—Water-stage recorder. Datum of gage is 420 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1960	Nov. 23	887		4.50	
1961	Feb. 21	3,430		7.16	
1962	Dec. 18	1,240		5.33	
1963	Mar. 5	473		3.56	
1964	Apr. 27	1,660		5.90	
1965	Feb. 9	1,200		5.26	
1966	Apr. 27	1,450		5.64	
1967	Aug. 25	1,260		5.35	
1968	July 8	3,700		7.37	
1969	Apr. 13	308		2.85	
1970	Mar. 19	4,250		7.70	
1971	Feb. 22	665		4.10	
1972	Jan. 4	2,000		6.22	
1973	Mar. 30	1,940		6.16	
1977	Apr. 4	3,000		6.93	
1978	Oct. 25	1,720		6.00	
1979	Apr. 12	3,000		6.93	
1980	Apr. 12	2,110		6.34	
1981	Mar. 30	700		4.38	
1982	Apr. 20	566		3.94	
1983	May 19	3,600		7.30	
1984	Dec. 3	3,240		7.04	

02462800 Davis Creek below Abernant

Location—Lat 33°18'30", long 87°13'10", in SE 1/4 sec. 12, T. 20 S., R. 7 W., Tuscaloosa County, Hydrologic Unit 03160112, on county road, 0.2 mi downstream from Lye Branch, 0.6 mi downstream from Texas Creek, 2 mi northwest of Abernant, and 2.8 mi downstream from Rockcastle Creek.

Drainage area—45.3 mi².

Gage—Water-stage recorder. Datum of gage is 410 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1957	Apr. 4	2,630		11.10	
1958	May 2	1,750		8.30	
1959	Jan. 21	1,450		7.45	
1960	Mar. 2	1,290		6.92	
1961	Feb. 21	5,800		18.30	
1962	Dec. 18	3,850		14.00	
1963	Apr. 30	2,690		11.10	
1964	Apr. 6	3,490		13.10	
1965	Feb. 12	1,560		7.88	
1966	Feb. 13	2,060		9.33	
1967	June 30	580		4.57	
1968	Dec. 22	1,650		8.11	
1969	May 18	3,170		12.29	
1970	Mar. 19	2,890		11.60	
1971	Feb. 5	2,350		10.15	
1972	Jan. 10	2,020		9.21	
1973	Mar. 31	2,280		9.95	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02463500 Hurricane Creek near Holt

Location—Lat 33°12'45", long 87°26'55", in SE 1/4 sec. 14, T. 21 S., R. 9 W., Tuscaloosa County, Hydrologic Unit 03160112, on State Highway 116, 0.5 mi downstream from Cottondale Creek, 2.8 mi southeast of Holt, and at mile 7.1.

Drainage area—108 mi².

Gage—Water-stage recorder. Datum of gage is 173.70 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1953	Jan. 9	4,530		8.84	
1954	Jan. 16	6,200		10.50	
1955	Feb. 6	7,420		13.71	
1956	Apr. 6	8,380		14.64	
1957	Apr. 4	5,500		10.90	
1958	May 2	6,940		12.84	
1959	Jan. 21	2,770		7.00	
1960	Jan. 30	2,900		7.83	
1961	Feb. 21	16,800		22.33	
1962	Dec. 18	12,300		18.97	
1963	Apr. 30	5,980		11.63	
1964	Mar. 15	8,080		14.55	
1965	Feb. 12	3,900		8.86	
1966	Feb. 6	4,280		9.43	
1967	July 1	920		5.45	
1968	Dec. 20	2,870		7.88	
1969	May 19	4,550		9.76	

02464000 North River near Samantha

Location—Lat 33°28'45", long 87°35'50", in SW 1/4 sec. 16, T. 18 S., R. 10 W., Tuscaloosa County, Hydrologic Unit 03160112, 200 ft downstream from bridge on county road, 1.2 mi upstream from Cripple Creek, 4 mi north of Samantha, and at mile 36.9.

Drainage area—223 mi².

Gage—Water-stage recorder. Datum of gage is 232.39 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1916	--	20,500	2,7,B	31.00	
1936	--	20,500	2,7,B	31.00	
1939	Feb. 28	12,000		22.96	
1940	July 4	6,600		14.35	
1941	Mar. 7	3,900		9.83	
1942	Feb. 17	6,000		13.43	
1943	Dec. 28	7,430	2	15.95	
1944	Mar. 29	8,100		16.96	
1945	Mar. 4	6,040		13.68	
1946	Feb. 10	9,950		19.69	
1947	Jan. 20	6,590		14.63	
1948	Feb. 9	5,680		13.10	
1949	Nov. 28	10,400		20.50	
1950	Mar. 13	14,000		26.00	
1951	Mar. 29	18,000		30.70	
1952	Dec. 21	7,650		16.30	
1953	Feb. 21	6,380		14.20	
1954	Jan. 16	8,160		17.06	
1955	Feb. 6	9,140		18.60	
1956	Apr. 6	5,380		12.20	
1957	Dec. 23	6,590		14.60	
1958	Nov. 19	7,020		15.30	
1959	Jan. 22	6,710		14.80	
1960	Mar. 3	9,530		19.20	
1961	Feb. 22	17,600		30.32	
1962	Dec. 18	10,300		20.36	
1963	July 16	6,320		14.17	
1964	Apr. 27	10,200		20.16	
1965	Feb. 12	7,760		16.46	
1966	Apr. 28	5,250		11.94	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02464000 North River near Samantha—Continued

Location—Lat 33°28'45", long 87°35'50", in SW 1/4 sec. 16, T. 18 S., R. 10 W., Tuscaloosa County, Hydrologic Unit 03160112, 200 ft downstream from bridge on county road, 1.2 mi upstream from Cripple Creek, 4 mi north of Samantha, and at mile 36.9.

Drainage area—223 mi².

Gage—Water-stage recorder. Datum of gage is 232.39 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1967	Feb. 20	5,010		11.46	
1968	Dec. 11	8,940		18.30	
1969	Apr. 14	5,840		13.12	
1970	Mar. 20	25,500		35.08	
1971	Feb. 22	7,610		16.18	
1972	Jan. 10	8,440		17.46	
1973	Mar. 31	8,780		17.99	
1974	Dec. 26	13,400		24.85	
1975	Jan. 11	8,980		18.29	
1976	Oct. 8	6,760		14.88	
1977	Apr. 5	11,800		22.55	
1978	Oct. 9	7,210		15.57	
1979	Apr. 13	19,400		30.55	
1980	Mar. 17	9,820		19.58	
1981	Mar. 30	7,540		16.07	
1982	Jan. 4	6,640		14.68	
1983	Mar. 6	14,500		26.58	
1984	Dec. 3	19,700		30.82	
1985	May 2	5,700		12.84	
1986	Mar. 13	2,200		6.18	
1987	Jan. 19	6,970		15.19	
1988	Feb. 3	2,500		6.79	
1989	Jan. 13	7,140		15.47	
1990	Feb. 16	14,700		26.21	
1991	Feb. 20	9,870		19.67	

02464000 North River near Samantha—Continued

Location—Lat 33°28'45", long 87°35'50", in SW 1/4 sec. 16, T. 18 S., R. 10 W., Tuscaloosa County, Hydrologic Unit 03160112, 200 ft downstream from bridge on county road, 1.2 mi upstream from Cripple Creek, 4 mi north of Samantha, and at mile 36.9.

Drainage area—223 mi².

Gage—Water-stage recorder. Datum of gage is 232.39 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1992	Feb. 26	3,960		9.66	
1993	Jan. 12	7,480		15.99	
1994	Mar. 28	8,960		18.28	
1995	Feb. 17	4,310		10.25	
1996	Jan. 27	10,500		20.68	
1997	Feb. 21	6,130		13.70	
1998	Jan. 7	10,300		20.30	
1999	Jan. 31	8,450		17.48	
2000	Mar. 11	11,700		22.35	
2001	Feb. 13	5,950		13.13	
2002	Dec. 14	9,700		19.30	
2003	Feb. 22	8,670		16.51	
2004	Feb. 6	12,300		21.58	
2005	Apr. 7	9,360		17.50	
2006	Feb. 6	6,930		13.96	
2007	Dec. 31	6,240		12.91	
2008	Mar. 4	6,120		12.61	
2009	Jan. 7	15,600		24.55	
2010	May 3	10,100		17.93	
2011	Mar. 9	11,900		20.26	
2012	Dec. 27	5,550		11.78	
2013	Jan. 15	8,450		15.82	
2014	Apr. 7	13,000		22.24	
2015	Jan. 4	8,050		15.73	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02464146 Turkey Creek near Tuscaloosa

Location—Lat 33°24'48", long 87°30'38" referenced to North American Datum of 1927, Tuscaloosa County, Ala., Hydrologic Unit 03160112, on left bank 1,400 ft downstream from State Highway 69, 1.1 mi upstream from Long Creek, 4.7 mi upstream from mouth, 5.5 mi east of Samantha, and 14 mi north of Tuscaloosa.

Drainage area—6 mi².

Gage—Water-stage recorder. Elevation of gage is 270 ft above NGVD of 1929, from topographic map.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1981	Mar. 30	580		5.69	
1982	Feb. 16	240		4.35	
1983	May 19	1,220		7.58	
1984	Dec. 3	3,500		11.98	
1987	June 21	326		4.68	
1988	Jan. 19	279		4.47	
1989	June 21	640		5.86	
1990	Feb. 15	1,650		8.51	
1991	May 25	442		5.16	
1992	Nov. 20	268		4.42	
1993	Jan. 12	1,170		7.44	
1994	Jan. 27	537		5.56	
1995	Mar. 7	304		4.65	
1996	Jan. 26	642		5.92	
1997	Feb. 21	531		5.54	
1998	Jan. 7	934		6.81	
1999	Jan. 22	639		5.91	
2000	Apr. 2	2,500		10.28	
2001	Sept. 9	630		5.88	
2002	Dec. 14	603		5.79	
2003	June 27	520		5.50	
2004	Feb. 5	1,070		7.19	
2005	June 1	1,200		7.51	
2006	May 10	366		4.90	
2007	Oct. 17	433		5.17	
2008	Oct. 17	433		5.17	
2009	Feb. 27	1,060		7.15	
2010	Jan. 24	422		5.13	
2011	Sept. 5	1,110		7.29	
2012	Sept. 4	1,750		8.80	
2013	Mar. 24	888		6.68	
2014	Apr. 7	1,010		7.03	
2015	Aug. 18	837		6.53	
2016	Dec. 25	4,320		12.65	

03572110 Crow Creek at Bass

Location—Lat 34°56'03", long 85°55'03", in SW 1/4 sec. 20, T. 1 S., R. 7 E., Jackson County, Hydrologic Unit 06030001, on State Highway 117, 0.3 mi northwest of Bass, 1 mi upstream from Bennett Cove Creek, 3.7 mi south of Alabama-Tennessee State line, and 15.8 mi upstream from mouth.

Drainage area—131 mi².

Gage—Water-stage recorder. Datum of gage is 598.76 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1975	Sept. 24	8,660		15.98	
1976	Oct. 8	10,200		16.47	
1977	Mar. 12	10,200		16.47	
1978	Oct. 2	8,380		15.88	
1979	Mar. 4	10,300		16.52	
1980	Mar. 21	12,600		17.17	
1981	Mar. 30	4,600		13.63	
1982	Jan. 4	7,650		15.61	
1983	Apr. 6	9,800		16.36	
1984	Nov. 28	8,200		15.91	
1985	Aug. 17	5,090		14.24	
1986	Feb. 18	5,160		14.32	
1987	Jan. 19	5,350		14.46	
1988	Jan. 20	10,300		16.53	
1989	June 15	8,380		15.88	
1990	Feb. 4	7,550		15.57	
1991	Dec. 23	22,400		18.68	
1992	Dec. 2	9,310		16.20	
1993	Mar. 23	13,600		17.33	
1994	Feb. 11	14,400		17.47	
1995	Feb. 16	8,720		16.02	
1996	Apr. 22	14,200		17.50	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

03572900 Town Creek near Geraldine

Location—Lat 34°22'42", long 85°59'25", in SE 1/4 sec. 34, T. 7 S., R. 6 E., De Kalb County, Hydrologic Unit 06030001, on State Highway 75, 0.3 mi downstream from Reedy Creek, 2 mi north-northeast of Geraldine, and at mile 20.4.

Drainage area—141 mi².

Gage—Water-stage recorder. Datum of gage is 1,000 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1958	Nov. 18	10,600		15.60	
1959	Jan. 21	4,620		9.40	
1960	Mar. 3	2,120		6.12	
1961	Feb. 23	8,080		13.08	
1962	Dec. 18	15,400		19.90	
1963	Apr. 29	17,700		21.70	
1964	Mar. 25	10,700		15.72	
1965	Mar. 26	8,190		13.19	
1966	Mar. 4	9,850		14.85	
1967	Feb. 21	3,420		7.90	
1968	Dec. 22	7,480		12.48	
1969	Feb. 2	10,400		15.35	
1970	Apr. 26	4,440		9.17	
1971	Feb. 26	5,780		10.76	
1972	Jan. 4	6,530		11.53	
1973	Mar. 16	9,430		14.43	
1974	Feb. 16	5,770		10.74	
1975	Feb. 18	9,030		14.03	
1976	July 5	9,510		14.55	
1977	Mar. 30	15,300		20.45	
1978	Nov. 5	8,140		13.73	
1979	Mar. 4	15,000		20.20	
1980	Mar. 21	11,900		17.43	
1990	Feb. 16	23,500	7	27.27	

03573000 Short Creek near Albertville

Location—Lat 34°18'05", long 86°10'53", in NE 1/4 sec. 35, T. 8 S., R. 4 E., Marshall County, Hydrologic Unit 06030001, 800 ft downstream from Turkey Creek, 3 mi northeast of Albertville, and 4.4 mi upstream from Scarham Creek.

Drainage area—91.6 mi².

Gage—Water-stage recorder 1946–53. Crest-stage gage 1954–69. Datum of gage is 865.80 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1943	Dec	25,000	7,B	21.20	
1946	Feb. 10	8,300		12.77	
1947	Jan. 15	6,800		11.70	
1948	Feb. 14	6,790		11.65	
1949	Jan. 5	14,800		16.37	
1950	Mar. 13	8,100		12.64	
1951	Mar. 29	13,200		15.55	
1952	Dec. 21	4,800		10.14	
1953	June 16	4,890		10.23	
1954	Jan. 16	2,700		7.90	
1955	Feb. 6	3,660		8.97	
1956	Apr. 16	4,760		10.11	
1957	June 9	6,650		11.65	
1958	Nov. 14	3,760		9.10	
1961	Feb. 22	6,770		11.86	
1962	Dec. 18	10,400		14.10	
1963	Apr. 29	11,800		14.79	
1964	Mar. 26	5,060		10.40	
1966	Mar. 4	9,420		13.54	
1967	July 14	3,760		9.10	
1968	Jan. 10	4,820		10.16	
1969	Feb. 2	3,950		9.29	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

03574500 Paint Rock River near Woodville

Location—Lat 34°37'27", long 86°18'23", in NW 1/4 sec. 10, T. 5 S., R. 3 E., Jackson County, Hydrologic Unit 06030002, on U.S. Highway 72, 2 mi west of Woodville, 4.1 mi upstream from Little Paint Creek, and at mile 26.6.

Drainage area—320 mi².

Gage—Water-stage recorder. Datum of gage is 570.95 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1936	Feb. 4	19,600		19.24	
1937	Jan. 3	16,400		18.85	
1938	Apr. 9	11,300		18.01	
1939	Feb. 4	27,000		20.35	
1940	Feb. 19	7,920		16.89	
1941	Mar. 8	6,260		16.40	
1942	Mar. 22	4,570		14.96	2
1943	Dec. 28	28,000		20.50	
1944	Mar. 29	14,600		18.56	
1945	Feb. 18	13,200		18.33	
1946	Jan. 9	16,400		18.81	
1947	Jan. 21	9,500		17.55	
1948	Feb. 13	23,600		19.90	2
1949	Jan. 5	28,700		20.84	
1950	Jan. 7	19,400		19.39	
1951	Mar. 29	27,500		20.32	
1952	Mar. 11	15,300		18.87	
1953	Feb. 22	7,990		17.48	
1954	Jan. 16	22,800		19.81	
1955	Mar. 22	9,640		17.92	
1956	Feb. 4	23,600		19.90	
1957	Feb. 1	25,900		20.16	
1958	Nov. 19	22,700		19.80	
1959	Jan. 22	13,900		18.67	
1960	Dec. 20	13,000		18.42	
1961	Feb. 23	21,700		19.68	
1962	Dec. 18	24,000		19.95	
1963	Mar. 12	46,700		22.60	
1964	Mar. 15	20,000		19.38	
1965	Mar. 27	16,000		18.74	
1966	Feb. 14	11,000		17.58	
1967	July 13	8,400		16.63	
1968	Dec. 18	24,000		20.07	2

03574500 Paint Rock River near Woodville—Continued

Location—Lat 34°37'27", long 86°18'23", in NW 1/4 sec. 10, T. 5 S., R. 3 E., Jackson County, Hydrologic Unit 06030002, on U.S. Highway 72, 2 mi west of Woodville, 4.1 mi upstream from Little Paint Creek, and at mile 26.6.

Drainage area—320 mi².

Gage—Water-stage recorder. Datum of gage is 570.95 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1969	Feb. 2	20,000		19.32	
1970	Dec. 31	27,000		20.49	2
1971	Feb. 22	15,200		18.39	
1972	Dec. 7	18,000		19.01	
1973	Mar. 16	74,200		24.40	
1974	Dec. 27	32,000		21.06	
1975	Mar. 14	27,000		20.40	
1976	Oct. 9	20,000		19.57	
1977	Apr. 5	14,000		18.60	
1978	Nov. 6	20,100		19.62	
1979	Mar. 4	19,700		19.49	
1980	Mar. 21	31,200		21.39	
1981	Mar. 31	9,000		16.93	
1982	Jan. 4	20,000		19.57	
1983	Apr. 6	22,000		19.96	
1984	May 4	16,000		18.94	
1985	Feb. 2	9,000		17.01	
1986	Mar. 14	11,000		17.75	
1987	Jan. 20	14,000		18.35	
1988	Jan. 20	19,000		19.36	
1989	Apr. 5	12,000		17.85	
1990	Feb. 16	23,000		19.89	
1991	Dec. 23	58,000		23.42	
1992	Dec. 2	34,000		21.36	
1993	Mar. 24	28,000		20.64	
1994	Feb. 11	32,000		21.08	
1995	Mar. 9	9,500		17.07	
1996	Mar. 8	15,000		18.55	
1997	Mar. 20	10,000		17.31	
1998	Jan. 8	29,000		20.87	
1999	Jan. 24	14,000		18.35	
2000	Apr. 4	21,200		19.73	
2001	Jan. 20	16,500		18.84	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

03574500 Paint Rock River near Woodville—Continued

Location—Lat 34°37'27", long 86°18'23", in NW 1/4 sec. 10, T. 5 S., R. 3 E., Jackson County, Hydrologic Unit 06030002, on U.S. Highway 72, 2 mi west of Woodville, 4.1 mi upstream from Little Paint Creek, and at mile 26.6.

Drainage area—320 mi².

Gage—Water-stage recorder. Datum of gage is 570.95 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
2002	Dec. 15	17,000		18.87	
2003	Feb. 16	24,500		20.20	
2004	Feb. 7	19,800		20.10	
2005	Dec. 7	29,000		20.68	
2006	Jan. 19	7,410		16.31	
2007	Nov. 17	4,830		15.15	
2008	Mar. 5	4,290		14.84	
2009	Dec. 11	13,100		18.90	
2010	Dec. 10	17,300		19.76	
2011	Mar. 10	12,200		18.65	
2012	Jan. 24	12,900		18.85	
2013	Jan. 16	12,900		18.85	
2014	Apr. 8	6,560		16.64	
2015	Jan. 5	6,760		16.74	

03575000 Flint River near Chase

Location—Lat 34°49'22", long 86°28'59", in NE 1/4 sec. 35, T. 2 S., R. 1 E., Madison County, Hydrologic Unit 06030002, on Winchester Road, 400 ft downstream from Brier Fork, 4.3 mi northeast of Chase, and at mile 36.2.

Drainage area—342 mi².

Gage—Water-stage recorder. Datum of gage is 640.37 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1929	Sep	57,000	B	25.00	
1931	Apr. 4	2,600		6.20	
1932	Aug. 18	6,800		10.10	
1933	May 10	14,200		15.00	
1934	Mar. 2	20,300		17.30	
1935	Mar. 12	14,500		14.90	
1936	July 4	22,000		18.13	
1937	Jan. 2	13,000		14.48	

03575000 Flint River near Chase—Continued

Location—Lat 34°49'22", long 86°28'59", in NE 1/4 sec. 35, T. 2 S., R. 1 E., Madison County, Hydrologic Unit 06030002, on Winchester Road, 400 ft downstream from Brier Fork, 4.3 mi northeast of Chase, and at mile 36.2.

Drainage area—342 mi².

Gage—Water-stage recorder. Datum of gage is 640.37 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1938	July 21	7,680		10.52	
1939	Feb. 3	21,400		17.75	
1940	Mar. 14	3,870		7.44	
1941	Jan. 2	3,780		7.33	
1942	Feb. 17	4,150		7.72	
1943	Dec. 28	12,800		14.18	
1944	Mar. 29	18,300		16.79	
1945	Feb. 17	14,500		15.14	
1946	Jan. 8	20,000		17.56	
1947	Jan. 20	7,950		11.43	
1948	Feb. 13	19,800		17.76	
1949	Jan. 5	44,600		23.61	
1950	Jan. 6	13,200		15.35	
1951	Feb. 1	32,300		21.98	
1952	Mar. 11	8,950		12.81	
1953	Feb. 21	10,200		13.79	
1954	Jan. 21	58,500		25.00	
1955	Mar. 22	20,200		17.79	
1956	Feb. 3	14,900		16.00	
1957	Feb. 1	25,900		19.70	
1958	Nov. 19	17,200		16.80	
1959	July 18	5,620		9.60	
1960	Dec. 19	18,400		17.20	
1961	Mar. 8	16,300		16.37	
1962	Feb. 28	14,400		15.50	
1963	Mar. 12	84,000		27.55	
1964	Mar. 15	30,000		21.00	
1965	Mar. 30	11,200		13.67	
1966	Feb. 13	6,230		9.49	
1967	May 13	7,060		10.26	
1968	Dec. 18	29,900		20.97	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

03575000 Flint River near Chase—Continued

Location—Lat 34°49'22", long 86°28'59", in NE 1/4 sec. 35, T. 2 S., R. 1 E., Madison County, Hydrologic Unit 06030002, on Winchester Road, 400 ft downstream from Brier Fork, 4.3 mi northeast of Chase, and at mile 36.2.

Drainage area—342 mi².

Gage—Water-stage recorder. Datum of gage is 640.37 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1969	May 18	15,200		15.87	
1970	Dec. 30	23,700		18.50	
1971	Feb. 22	14,400		14.52	
1972	Jan. 10	6,960		10.16	
1973	Mar. 16	104,000		29.52	
1974	Dec. 26	24,800		18.92	
1975	Mar. 14	29,800		20.97	
1976	Oct. 17	24,000		19.20	
1977	Apr. 5	33,100		21.22	
1978	Oct. 2	27,500		19.61	
1979	Mar. 4	18,100		16.47	
1980	Mar. 21	18,000		16.43	
1981	Mar. 30	4,460		8.01	
1983	May 19	26,400		19.35	
1984	May 3	15,500		15.48	
1985	Nov. 28	8,470		11.34	
1986	Feb. 18	9,090		11.78	
1987	Nov. 24	11,900		13.63	
1988	Jan. 20	11,600		13.41	
1989	Mar. 6	26,000		19.22	
1990	Oct. 2	17,700		16.33	
1991	Dec. 23	120,000		31.04	
1992	Dec. 2	30,900		20.63	
1993	May 4	20,400		17.36	
1994	Feb. 11	36,900		22.07	

03575100 Flint River at Brownsboro, Ala.

Location—Lat 34°44'57", long 86°26'48" referenced to North American Datum of 1927, Madison County, AL, Hydrologic Unit 06030002, on right bank on Brownsboro Road, 0.3 mi north of U.S. Highway 72, 10 mi east of Huntsville, at Brownsboro, and river mile 27.6.

Drainage area—375 mi².

Gage—Water-stage recorder. Datum of gage is 616.058 ft above NAVD of 1988.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1999	Jan. 23	26,300		20.61	
2000	Apr. 4	23,900		20.42	
2001	Dec. 17	11,900		18.57	
2002	Mar. 18	15,500		19.44	
2003	May 7	33,500		22.10	
2004	Feb. 6	36,400		23.03	
2005	Dec. 7	32,900		22.59	
2006	Apr. 8	6,540		16.16	
2007	Nov. 15	4,810		14.75	
2008	Apr. 5	5,440		15.33	
2009	Dec. 10	22,100		20.91	
2010	Dec. 9	21,600		20.83	
2011	Apr. 28	56,000		24.58	
2012	Jan. 12	16,800		19.63	
2013	Jan. 16	15,100		19.28	
2014	Dec. 22	9,160		17.62	
2015	Mar. 11	12,800		18.75	

03576250 Limestone Creek near Athens

Location—Lat 34°45'06", long 86°49'24", in SW 1/4 sec. 26, T. 3 S., R. 3 W., Limestone County, Hydrologic Unit 06030002, on U.S. Highway 72, 10 mi east of Athens, and at mile 17.0.

Drainage area—119 mi².

Gage—Water-stage recorder. Datum of gage is 626.34 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1940	July 8	3,000		8.00	
1941	Jan. 2	1,650		5.80	
1942	Feb. 17	2,400		7.20	
1943	Dec. 28	3,250		7.90	
1944	Mar. 29	10,000		11.50	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

03576250 Limestone Creek near Athens—Continued

Location—Lat 34°45'06", long 86°49'24", in SW 1/4 sec. 26, T. 3 S., R. 3 W., Limestone County, Hydrologic Unit 06030002, on U.S. Highway 72, 10 mi east of Athens, and at mile 17.0.

Drainage area—119 mi².

Gage—Water-stage recorder. Datum of gage is 626.34 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1945	Feb. 17	6,600		10.10	
1946	Jan. 8	10,700		11.67	
1947	Jan. 20	3,250		7.90	
1948	Feb. 13	9,950		11.45	
1949	Jan. 5	15,000		12.89	
1950	Jan. 6	8,950		11.14	
1951	Feb. 1	16,000		13.16	
1952	Dec. 8	6,650		10.15	
1953	Feb. 21	5,600		9.70	
1954	Jan. 21	21,000		14.32	
1955	Feb. 22	6,700		10.19	
1956	Feb. 3	4,800		9.23	
1957	Feb. 1	10,200		11.60	
1958	Nov. 18	8,600		10.91	
1959	July 18	4,300		8.92	
1960	Dec. 19	8,650		10.96	
1961	Mar. 8	9,000		11.08	
1962	Feb. 28	7,600		10.59	
1963	Mar. 12	26,000		15.50	
1964	Mar. 15	15,500		13.00	
1965	Mar. 29	4,850		9.30	
1966	May 18	2,700		7.59	
1967	June 29	3,340		8.34	
1968	Dec. 18	12,500		12.17	
1969	Feb. 2	6,100		9.92	
1970	Dec. 30	10,800		11.74	
1971	Feb. 22	6,750		10.20	
1972	Jan. 10	2,800		7.71	
1973	Mar. 16	38,000		17.28	
1975	Mar. 13	12,500		12.21	
1976	Oct. 17	13,600		12.61	

03576250 Limestone Creek near Athens—Continued

Location—Lat 34°45'06", long 86°49'24", in SW 1/4 sec. 26, T. 3 S., R. 3 W., Limestone County, Hydrologic Unit 06030002, on U.S. Highway 72, 10 mi east of Athens, and at mile 17.0.

Drainage area—119 mi².

Gage—Water-stage recorder. Datum of gage is 626.34 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1977	Apr. 5	13,000		12.38	
1978	Nov. 5	7,930		10.84	
1979	Mar. 4	5,700		9.70	
1980	Mar. 20	12,200		12.12	
1981	June 4	1,860		6.26	
1982	Jan. 4	10,500	E	11.81	
1984	May 3	8,500	E	10.93	
1985	Aug. 17	3,650	E	8.55	
1992	Dec. 23	25,000	7	15.20	
1995	Mar. 8	3,150		8.08	
1996	Mar. 7	5,700		9.72	
1997	Mar. 3	5,500		9.59	
1998	Jan. 7	10,300		11.76	
1999	Jan. 23	17,000		13.56	
2000	Apr. 3	8,700		11.01	
2001	July 5	5,050		9.36	
2002	Jan. 23	5,100		9.39	
2003	May 6	13,500		12.49	
2004	Feb. 6	15,400		12.99	
2005	Dec. 7	11,800		12.00	
2006	Jan. 23	2,940		7.46	
2007	Jan. 5	2,060		6.13	
2008	Apr. 5	2,360		6.56	
2009	Dec. 10	6,380		10.00	
2010	Dec. 9	12,800		12.82	
2011	Apr. 27	25,800		15.10	
2012	Jan. 23	6,170		10.44	
2013	July 5	12,200		12.67	
2014	Apr. 29	4,530		9.08	
2015	Mar. 11	4,900		9.44	
2016	Dec. 25	9,710		12.01	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

03576500 Flint Creek near Falkville

Location—Lat 34°22'23", long 86°56'01", in SW 1/4 sec. 2, T. 8 S., R. 4 W., Morgan County, Hydrologic Unit 06030002, 1.2 mi downstream from Robinson Creek, 1.5 mi west of Falkville, and 2.8 mi upstream from Cedar Creek.

Drainage area—86.3 mi².

Gage—Water-stage recorder. Datum of gage is 572.59 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1953	Feb. 21	3,160		12.20	
1954	Jan. 16	6,900		14.00	
1955	Mar. 21	8,400		14.60	
1956	Feb. 4	2,410		11.80	
1957	Feb. 1	5,300		13.30	
1958	Nov. 19	7,400		14.20	
1959	Jan. 22	6,600		13.80	
1960	Mar. 3	5,920		13.54	
1961	Feb. 22	12,200		15.77	
1962	Apr. 11	10,100		15.15	
1963	Mar. 12	6,200		13.75	
1964	Mar. 26	9,420		14.94	
1965	Mar. 26	6,760		13.98	
1966	May 18	4,440		12.87	
1967	May 7	2,260		11.71	
1968	Jan. 10	6,600		13.84	
1969	Feb. 2	6,600		13.80	
1970	Dec. 31	7,630		14.33	
1971	Feb. 26	6,120		13.69	
1972	Dec. 7	4,050		12.67	
1973	Mar. 16	12,500		15.85	
1992	Dec. 23	30,000	2,7	19.28	
1993	Mar. 23	5,760		13.54	
1994	Feb. 11	8,310		14.57	
1995	Feb. 16	5,900		13.63	
1996	Mar. 7	2,900		12.16	
1997	May 3	5,700		13.51	
1998	Jan. 7	9,200		14.85	
1999	Jan. 23	3,160		12.20	
2012	Jan. 11	3,160		13.04	
2013	Jan. 15	3,330		13.13	
2014	Apr. 7	2,530		12.59	
2015	Jan. 4	3,220		12.53	

03577110 West Flint Creek near Hartselle

Location—Lat 34°29'38", long 87°01'34", in NW 1/4 NW 1/4 SE 1/4 sec. 26, T. 6 S., R. 5 W., Morgan County, Hydrologic Unit 06030002, on pier at right bank of Means Bridge on Decatur-Danville Road, 7.5 mi southwest of Decatur, and 6 mi northwest of Hartselle.

Drainage area—158 mi².

Gage—Water-stage recorder. Datum of gage is 553.67 ft NGVD 29.

Remarks—Station operated and records published by Tennessee Valley Authority.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1941	Mar. 8	1,460		11.85	
1942	Mar. 18	1,620		13.01	
1943	Dec. 29	2,320		14.21	
1944	Mar. 29	5,870	2	16.56	
1945	Feb. 13	2,970		14.92	
1946	Jan. 8	8,660		17.55	
1947	Jan. 20	2,760		14.71	
1948	Feb. 13	7,060		17.02	
1949	Jan. 5	10,300		17.98	
1950	Jan. 7	10,300		17.98	
1951	Mar. 29	9,550		17.78	
1952	Mar. 11	3,080		14.20	
1953	Feb. 21	3,300		14.44	
1954	Jan. 22	4,950		15.81	
1955	Mar. 22	4,830		15.74	
1956	Feb. 4	4,530		15.54	
1957	Feb. 1	6,190		16.49	
1958	Nov. 18	5,910		16.35	
1992	Dec. 24	11,400	2,7	--	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

03586500 Big Nance Creek at Courtland

Location—Lat 34°40'12", long 87°19'02", in SW 1/4 sec. 30, T. 4 S., R. 7 W., Lawrence County, Hydrologic Unit 06030005, on county road 25, at Courtland, and at mile 12.9.

Drainage area—166 mi².

Gage—Water-stage recorder. Datum of gage is 537.60 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1936	Apr. 3	6,980		19.80	
1937	Jan. 3	4,400		16.10	
1938	Mar. 11	4,000		15.30	
1939	Feb. 16	6,980		19.80	
1940	July 10	4,650		17.00	
1946	Feb. 10	8,180		21.00	
1947	Jan. 2	3,960		15.70	
1948	Feb. 13	9,000		21.50	
1949	Jan. 5	11,000		22.25	
1950	Jan. 7	12,500		22.60	
1951	Feb. 1	12,000		22.45	
1952	Dec. 9	8,140		20.92	
1953	Feb. 22	5,300		17.99	
1954	Jan. 23	7,620		20.49	
1955	Mar. 22	7,160		20.27	
1956	Apr. 7	4,080		16.50	
1957	Feb. 1	9,000		21.50	
1958	Nov. 18	6,700		19.52	
1959	Apr. 19	2,400		12.02	
1960	Mar. 3	5,610		18.94	
1961	Feb. 23	3,760		15.77	
1962	Feb. 24	7,600		20.54	
1963	Mar. 12	10,100		21.75	
1964	Mar. 16	6,800		19.89	
1965	Feb. 13	5,160		18.43	
1966	May 2	1,890		10.72	
1967	Feb. 21	4,300		16.14	
1968	Dec. 19	8,560		21.09	
1969	Feb. 3	7,400		20.42	
1970	Dec. 31	8,800		21.22	
1971	Feb. 23	4,590		17.54	
1972	Jan. 5	4,330		17.04	
1973	Mar. 16	26,500		24.97	
1974	Dec. 27	6,110		19.48	
1975	Mar. 14	10,200		21.94	

03586500 Big Nance Creek at Courtland—Continued

Location—Lat 34°40'12", long 87°19'02", in SW 1/4 sec. 30, T. 4 S., R. 7 W., Lawrence County, Hydrologic Unit 06030005, on county road 25, at Courtland, and at mile 12.9.

Drainage area—166 mi².

Gage—Water-stage recorder. Datum of gage is 537.60 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1976	Oct. 18	10,700		22.15	
1977	Apr. 5	6,000		18.75	
1978	May 9	5,450		18.13	
1979	Apr. 13	5,580		18.91	
1980	Mar. 21	7,270		20.34	
1981	Mar. 31	2,350		11.17	
1988	Apr. 13	1,980		10.09	
1989	Mar. 6	6,450		19.26	
1990	Oct. 2	7,500		20.36	
1991	Dec. 23	22,000		24.21	
1992	Dec. 3	8,750		21.13	
1993	Mar. 24	5,000		17.32	
1994	Mar. 28	7,400		20.32	
1995	Feb. 17	6,920		19.73	
1996	Mar. 8	5,230		17.70	
1997	June 23	5,660		18.33	
1998	Jan. 8	8,130		20.73	
1999	Jan. 24	11,200		21.98	
2000	Apr. 4	6,230		19.03	
2001	Jan. 20	5,190		17.63	
2002	May 5	6,200		19.00	
2003	Feb. 23	5,850		18.57	
2004	Feb. 7	10,600		21.76	
2005	Dec. 8	8,000		20.63	
2006	Jan. 18	3,760		14.55	
2007	Jan. 1	1,800		9.92	
2008	Mar. 5	1,980		10.44	
2009	Dec. 12	4,580		16.31	
2010	Dec. 10	5,030		17.15	
2011	Apr. 28	14,400		22.79	
2012	Jan. 24	3,920		15.03	
2013	July 7	6,770		19.58	
2014	Apr. 8	2,790		12.55	
2015	Dec. 25	3,990		15.16	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

03590000 Cypress Creek near Florence

Location—Lat 34°48'27", long 87°42'02", in NE 1/4 sec. 9, T. 3 S., R. 11 W., Lauderdale County, Hydrologic Unit 06030005, on State Highway 2, 2 mi west of Florence, 4 mi downstream from Cox Creek, and 4 mi upstream from mouth.

Drainage area—209 mi².

Gage—Water-stage recorder. Datum of gage is 423.78 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1935	Mar. 12	8,000		9.43	
1936	Apr. 6	6,170		7.95	
1937	May 4	20,600		16.60	
1938	Aug. 29	4,760		6.51	
1939	Feb. 15	11,300		11.73	
1940	Apr. 19	13,000		12.97	
1941	July 4	2,400		3.79	
1942	Mar. 17	2,980		4.53	
1943	Dec. 28	6,230		8.00	
1944	Mar. 28	10,200		11.06	
1945	Feb. 22	13,000		12.90	
1946	Nov. 22	13,900		13.45	
1947	Apr. 16	4,400		6.19	
1948	Feb. 13	21,400		17.40	
1949	Mar. 27	13,400		13.17	
1950	Feb. 14	13,600		13.36	
1951	Mar. 28	25,100		19.20	
1952	Jan. 27	9,190		10.35	
1953	Feb. 12	11,900		12.17	
1955	Mar. 24	50,000	7	29.94	
2015	Feb. 22	3,710		5.65	

03591800 Bear Creek near Hackleburg

Location—Lat 34°17'01", long 87°46'26", in SW 1/4 sec. 11, T. 9 S., R. 12 W., Marion County, Hydrologic Unit 06030006, on State Highway 172, 2 mi upstream from Bluff Creek, 3.5 mi east of Hackleburg, and at mile 104.8.

Drainage area—143 mi².

Gage—Water-stage recorder. Datum of gage is 646.50 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1957	Jan. 31	7,300		20.00	
1958	Nov. 18	6,600		19.20	
1959	Jan. 21	2,520		10.30	
1960	Mar. 2	7,000		19.50	
1961	Feb. 21	5,100		16.20	
1962	Apr. 11	14,300		28.88	
1963	May 26	13,800		27.36	
1964	Mar. 26	6,500		18.84	
1965	Feb. 12	5,880		17.77	
1966	Feb. 13	2,420		10.05	
1967	Dec. 9	6,350		18.58	
1968	Dec. 18	13,800		27.90	
1969	Feb. 2	6,560		18.93	
1970	Dec. 30	13,000		27.09	
1971	Feb. 26	7,310		20.16	
1972	Jan. 4	6,310		18.52	
1973	Mar. 16	24,000		39.00	
1974	Dec. 26	7,970		21.10	
1975	Mar. 13	13,400		27.83	
1976	Oct. 17	14,800		29.31	
1977	Mar. 4	15,400		30.03	
1978	May 8	5,930	5	17.87	
1979	Apr. 13	6,660	5	19.02	
1981	Mar. 30	2,790	5	10.78	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

0357479650 Hester Creek at Buddy Williamson Rd nr Ple

Location—Lat 34°57'39", long 86°27'49" referenced to North American Datum of 1927, Madison County, Ala., Hydrologic Unit 06030002, on right bank on Buddy Williamson Road, 2.7 mi east of Plevna, 3.8 mi northwest of New Market, and 2 mi south of Alabama-Tennessee State line.

Drainage area—33 mi².

Gage—Water-stage recorder. Datum of gage is 756.445 ft above NAVD of 1988.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1999	Jan. 23	2,300		8.21	
2000	Apr. 3	3,970		8.94	
2001	Dec. 16	2,160		8.09	
2002	Mar. 18	2,040		7.99	
2003	May 6	5,780		9.55	
2004	Feb. 6	3,250		8.68	
2005	Dec. 6	2,860		8.52	
2006	Apr. 8	1,160		6.82	
2007	Nov. 15	1,000		6.50	
2008	Mar. 4	1,280		6.96	
2009	Dec. 10	2,600		8.37	
2010	Dec. 9	1,920		7.87	
2011	Apr. 27	8,630		10.32	
2012	Jan. 11	2,170		7.99	
2013	Jan. 16	1,850		7.70	
2014	Dec. 22	2,130		7.97	

02420500 Autauga Creek at Prattville, Ala.

Location—Lat 32°27'34", long 86°28'31.24" referenced to North American Datum of 1983, in NE 1/4 NE 1/4 sec.17, T.17 N., R.16 E., Autauga County, Ala., Hydrologic Unit 03150201.

Drainage area—116 mi².

Gage—Water-stage recorder. Elevation of gage is 192.598 ft above NGVD of 1929.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
--	--	17,500		16.00	
1939	Aug. 17	20,000		16.50	
1940	Mar. 14	2,860		8.80	
1941	June 1	963		5.00	
1942	Mar. 22	1,860		7.00	
1943	Mar. 21	1,860		7.00	
1944	Apr. 27	3,940		--	
1945	Apr. 26	1,920		3.85	
1946	Jan. 7	2,890		4.79	
1947	Jan. 20	2,060		4.00	
1948	May 29	968		2.65	
1949	Nov. 28	3,200		5.10	
1950	July 31	1,410		3.22	
1952	Mar. 4	1,370		3.15	
1953	Apr. 30	1,570		3.40	
1954	Apr. 16	581		2.06	
1955	Apr. 14	2,450		4.45	
1956	Mar. 16	1,800		3.75	
1957	Apr. 5	3,170		5.42	
1958	Mar. 7	1,350		3.21	
1959	Feb. 9	525		2.05	
1960	Mar. 30	1,300		3.16	
1961	Feb. 25	3,800		6.03	
1962	Dec. 12	3,360		5.61	
1963	June 23	1,560		3.50	
1964	Apr. 6	6,390		8.38	
1965	Oct. 5	1,650		3.61	
1966	Feb. 16	1,660		3.63	
1967	July 2	1,010		2.71	
1968	Apr. 5	1,860		3.87	
1969	Apr. 18	1,410		3.29	
1970	Dec. 31	1,130		2.89	
1979	Apr. 13	5,840		7.88	
1990	Mar. 16	7,400		9.30	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02422500 Mulberry Creek at Jones

Location—Lat 32°34'58", long 86°54'13", in SE 1/4 sec. 31, T. 19 N., R. 12 E., Dallas County, Hydrologic Unit 03150201, 75 ft downstream from highway bridge, 0.4 mi west of Jones, 6 mi upstream from Buck Creek, and 11 mi upstream from mouth.

Drainage area—203 mi².

Gage—Water-stage recorder. Datum of gage is 165.23 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1938	Apr.	40,000		33.60	
1939	Aug. 16	32,800		30.38	
1940	July 5	5,000		9.56	
1941	July 17	3,420		8.00	
1942	Mar. 21	12,800		20.03	
1943	Dec. 28	13,600		18.43	
1944	Apr. 27	6,040		11.80	
1945	Apr. 25	8,800		14.20	
1946	Jan. 7	5,360		9.98	
1947	Jan. 20	11,600		18.18	
1948	Mar. 23	7,020		12.40	
1949	Nov. 27	5,820		10.80	
1950	July 15	3,400		8.00	
1951	Mar. 29	18,200		23.80	
1952	Mar. 4	5,250		9.97	
1953	Feb. 25	3,500		7.50	
1954	Apr. 16	2,850		6.56	
1955	Apr. 13	9,740		15.80	
1956	Mar. 16	8,460		14.18	
1957	Apr. 5	7,800		--	
1958	July 13	3,450		8.05	
1959	Mar. 12	2,440		5.50	
1960	Mar. 30	3,380		6.60	
1961	Feb. 25	5,340		9.99	
1962	Dec. 12	8,410		14.14	
1963	Mar. 13	5,570		10.36	
1964	Apr. 6	11,600		18.13	
1965	Jan. 23	3,510		7.16	
1966	Feb. 17	5,670		11.39	
1967	Feb. 7	2,670		7.10	
1968	Apr. 6	4,760		10.08	
1969	Jan. 19	4,550		9.78	
1970	Apr. 27	2,810		7.82	
1971	Mar. 3	10,200		17.17	
1972	Jan. 11	10,600		17.62	
1973	Mar. 16	5,490		11.13	
1974	Feb. 15	3,610		8.76	
1975	Apr. 3	9,550		16.50	
1976	Mar. 31	7,060		13.37	

02422500 Mulberry Creek at Jones—Continued

Location—Lat 32°34'58", long 86°54'13", in SE 1/4 sec. 31, T. 19 N., R. 12 E., Dallas County, Hydrologic Unit 03150201, 75 ft downstream from highway bridge, 0.4 mi west of Jones, 6 mi upstream from Buck Creek, and 11 mi upstream from mouth.

Drainage area—203 mi².

Gage—Water-stage recorder. Datum of gage is 165.23 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1977	Feb. 24	5,170		10.67	
1978	May 8	3,420		8.17	
1979	Apr. 14	21,800		25.26	
1980	Mar. 21	5,610		11.26	
1981	Apr. 1	10,700		16.60	
1982	Feb. 3	10,700		16.57	
1983	Apr. 9	8,730		14.63	
1984	Dec. 28	4,010		9.02	
1986	May 29	1,200		4.72	
1987	Nov. 24	4,410		9.59	
1988	Jan. 20	3,220		7.89	
1989	Mar. 6	7,620		13.54	
1990	Mar. 16	19,600		23.26	
1991	May 13	7,180		12.62	
1992	Feb. 17	3,330		7.48	
1993	Jan. 21	7,260		12.72	
1994	Feb. 5	3,880		8.31	
1995	Mar. 8	3,960		8.43	
1996	Jan. 27	6,240		11.49	
1997	Feb. 28	5,450		10.48	
1998	Jan. 8	10,600		16.52	
1999	Jan. 31	6,370		11.65	
2000	Apr. 4	4,240		8.84	
2001	Mar. 12	5,150		10.09	
2002	Jan. 25	2,600		6.28	
2003	May 22	8,330		13.99	
2004	Sept. 16	3,750		8.12	
2005	Apr. 1	6,670		12.02	
2006	May 11	2,620		6.31	
2007	Nov. 15	3,240		7.35	
2008	Feb. 22	4,070		8.59	
2009	Mar. 27	6,980		12.39	
2010	Jan. 25	8,090		13.71	
2011	Mar. 9	7,790		13.35	
2012	Sept. 4	4,750		9.55	
2013	Feb. 11	4,310		8.63	
2014	Apr. 7	5,390		10.41	
2015	Jan. 4	5,180		10.13	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02424010 Sandy Creek near Centreville

Location—Lat 32°54'12", long 87°00'09", in NE 1/4 sec. 7, T. 22 N., R. 11 E., Bibb County, Hydrologic Unit 03150202, at culvert on U.S. Highway 82, 8 mi southeast of Centreville, and about 10 mi upstream from mouth.

Drainage area—0.59 mi².

Gage—Water-stage recorder 1970–74. Crest-stage gage 1975–80, 1990–91. Datum of gage is 417 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1970	Apr. 26	118		--	
1971	May 12	180		4.45	
1972	Jan. 10	140		3.87	
1973	June 19	313		6.14	
1974	Feb. 14	188		4.55	
1975	Apr. 15	146		3.96	
1976	Apr. 16	104		3.31	
1978	June 8	100		3.25	
1979	Mar. 4	360		6.72	
1980	Mar. 14	490		8.14	
1991	June 20	524		8.38	
1992	Sept. 4	426		7.40	
1993	Aug. 7	97		3.18	
1994	Mar. 24	150		4.01	
1995	Apr. 21	151		4.03	
1996	Mar. 7	262		5.53	

02424500 Cahaba River at Sprott

Location—Lat 32°40'05", long 87°14'30", in NE 1/4 sec. 35, T. 20 N. R. 8 E., Perry County, Hydrologic Unit 03150202, on State Highways 14 and 183, 0.5 mi upstream from Goose Creek, 1 mi west of Sprott, 5.5 miles northeast of Marion, and at mile 47.6.

Drainage area—1,370 mi².

Gage—Water-stage recorder. Datum of gage is 129.51 ft NGVD 29.

Remarks—Flow affected by regulation from Lake Purdy and diversion by Birmingham Water Works.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1938	Apr. 9	84,000		28.55	
1939	Aug. 16	74,000		27.50	
1940	Feb. 7	22,500		19.65	
1941	Mar. 9	13,200		15.70	
1942	Mar. 22	32,200		21.68	
1943	Dec. 29	80,800		27.17	
1944	Mar. 30	30,000		21.40	
1945	May 14	24,500		20.09	
1946	Feb. 12	28,000		20.90	
1947	Jan. 21	41,500		23.30	
1948	Feb. 11	21,500		19.30	
1949	Nov. 30	50,100		24.10	
1950	Mar. 15	13,100		15.70	
1951	Mar. 30	71,000		27.20	
1952	Dec. 22	15,000	1	--	
1953	Jan. 12	17,700		18.00	
1954	Jan. 18	12,000		14.90	
1955	Apr. 15	24,500		20.15	
1956	Mar. 17	30,000		21.42	
1957	Apr. 6	30,000		21.40	
1958	Feb. 8	15,700		17.10	
1959	Jan. 23	9,400		13.00	
1960	Mar. 5	10,300		13.70	
1961	Feb. 23	87,100		28.90	
1962	Dec. 19	32,800		21.78	
1963	June 25	17,500		17.80	
1964	Apr. 8	32,000		21.62	
1965	Feb. 14	16,300		17.23	
1966	Feb. 17	31,200		21.47	
1967	Aug. 28	8,320		12.10	
1968	Apr. 7	17,500		17.83	
1969	Jan. 21	22,200		19.48	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02425000 Cahaba River Marion Junction

Location—Lat 32°26'38", long 87°10'49", in SW 1/4 sec. 16, T. 17

N., R. 9 E., Dallas County, Hydrologic Unit 03150202, on U.S.

Highway 80, 3.8 mi downstream from Oakmulgee Creek, 3.5 mi east of Marion Junction, and 21.4 mi upstream from mouth.

Drainage area—1,766 mi².

Gage—Water-stage recorder. Datum of gage is 86.72 ft NGVD 29.

Remarks—Flow affected by regulation from Lake Purdy, and diversion by Birmingham Water Works.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1938	Apr	85,000	2,7,B	--	
1939	Aug. 16	83,400		42.95	
1940	Feb. 9	22,000		29.73	
1941	Mar. 10	14,800		22.40	
1942	Mar. 24	33,000		36.50	
1943	Dec. 30	77,600		41.50	
1944	Apr. 1	35,000		37.40	
1945	Feb. 24	23,000		30.70	
1946	Feb. 14	31,000		35.10	
1947	Jan. 22	54,000		39.60	
1948	Feb. 13	25,000		32.00	
1949	Dec. 1	52,000		39.40	
1950	Mar. 17	12,500		20.90	
1951	Mar. 31	80,400		41.70	
1952	Dec. 24	17,500		27.30	
1953	Jan. 13	16,100		25.50	
1954	Jan. 19	10,600		18.40	
1961	Feb. 24	92,000	2,7	43.80	
1970	Mar. 24	36,500		37.44	
1971	Mar. 6	27,200		33.50	
1972	Jan. 14	34,000		36.60	
1973	Jan. 11	17,800	1	25.90	
1974	Jan. 4	23,100		30.35	
1975	Feb. 8	21,000		28.75	2
1976	Mar. 19	54,500		39.53	
1977	Apr. 1	46,600		38.86	
1978	Jan. 28	16,900		25.13	
1979	Apr. 15	73,900		41.13	
1980	Mar. 23	29,000		34.39	
1981	Apr. 2	27,000		33.37	
1982	Apr. 23	24,000		31.41	
1983	Apr. 11	33,500		36.37	

02425000 Cahaba River Marion Junction—Continued

Location—Lat 32°26'38", long 87°10'49", in SW 1/4 sec. 16, T. 17

N., R. 9 E., Dallas County, Hydrologic Unit 03150202, on U.S.

Highway 80, 3.8 mi downstream from Oakmulgee Creek, 3.5 mi east of Marion Junction, and 21.4 mi upstream from mouth.

Drainage area—1,766 mi².

Gage—Water-stage recorder. Datum of gage is 86.72 ft NGVD 29.

Remarks—Flow affected by regulation from Lake Purdy, and diversion by Birmingham Water Works.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1984	Dec. 7	32,600		35.82	
1985	Feb. 8	16,900		24.77	
1986	Dec. 14	6,400		12.64	
1987	Jan. 22	32,500		35.98	
1988	Jan. 22	14,800		22.61	
1989	July 5	20,300		28.02	
1990	Feb. 18	76,000		41.21	
1991	Feb. 23	24,100		31.40	
1992	Feb. 28	12,100		19.63	
1993	Jan. 24	21,500		29.12	
1994	Apr. 18	13,400		21.11	
1995	Mar. 11	19,600		27.29	
1996	Mar. 10	31,100		35.28	
1997	Mar. 3	22,500		29.95	
1998	Jan. 11	32,500		36.01	
1999	Feb. 3	26,700		33.12	
2000	Apr. 7	31,000		35.25	
2001	Apr. 7	21,000		28.69	
2002	Jan. 28	18,300		26.06	
2003	May 22	24,300		31.53	
2004	Sept. 20	18,800		26.53	
2005	Apr. 4	29,100		34.32	
2006	Mar. 23	15,600		23.44	
2007	Jan. 9	8,600	1	--	
2008	Feb. 24	13,800		21.47	
2009	Sept. 24	29,800		34.66	
2010	Mar. 14	33,800		36.52	
2011	Mar. 12	29,800		34.67	
2012	Mar. 5	16,600		24.40	
2013	Feb. 15	19,000		30.89	
2014	Apr. 11	29,600		36.81	
2015	Jan. 7	18,100		30.06	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02439000 Buttahatchee River near Sulligent

Location—Lat 33°55'08", long 88°08'47", in NE 1/4 sec. 19, T. 13 S., R. 15 W., Lamar County, Hydrologic Unit 03160103, on State Highway 17, 1 mi upstream from Bogue Creek, 1.5 mi northwest of Sulligent, and 2 mi downstream from Beaver Creek.

Drainage area—472 mi².

Gage—Water-stage recorder. Datum of gage is 287.58 ft sea level.

Prior to June 1, 1942, nonrecording gage at site 500 ft upstream at datum 1.00 ft higher. July 1, 1942 to Sept. 30, 1971, nonrecording gage at present site and datum. Nov. 3, 1948 to Sept. 30, 1971, supplemental nonrecording gage on side channel at datum 10.00 ft lower. Since Aug. 12, 1971, supplemental water-stage recorder on side channel at datum 10.00 ft lower.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1939	May 23	3,470	2	--	3
1940	Mar. 4	3,640	2	--	3
1941	Mar. 8	3,390	2	--	3
1942	Feb. 18	3,470	2	--	3
1943	Dec. 29	6,920		13.93	
1944	Mar. 29	26,000		15.21	
1945	Feb. 23	11,200		14.45	
1946	Jan. 8	33,000		15.50	
1947	Apr. 12	11,800		14.40	
1948	Feb. 13	25,400		15.10	
1949	Jan. 5	27,400		15.50	
1950	Jan. 7	32,800		16.40	
1951	Mar. 29	29,700		15.70	
1952	Dec. 9	16,000		14.60	
1953	May 1	11,400		14.20	
1954	Jan. 23	12,700		14.50	
1955	Dec. 30	17,700		14.95	
1956	Feb. 4	14,200		14.70	

02439000 Buttahatchee River near Sulligent—Continued

Location—Lat 33°55'08", long 88°08'47", in NE 1/4 sec. 19, T. 13 S., R. 15 W., Lamar County, Hydrologic Unit 03160103, on State Highway 17, 1 mi upstream from Bogue Creek, 1.5 mi northwest of Sulligent, and 2 mi downstream from Beaver Creek.

Drainage area—472 mi².

Gage—Water-stage recorder. Datum of gage is 287.58 ft sea level.

Prior to June 1, 1942, nonrecording gage at site 500 ft upstream at datum 1.00 ft higher. July 1, 1942 to Sept. 30, 1971, nonrecording gage at present site and datum. Nov. 3, 1948 to Sept. 30, 1971, supplemental nonrecording gage on side channel at datum 10.00 ft lower. Since Aug. 12, 1971, supplemental water-stage recorder on side channel at datum 10.00 ft lower.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1957	Dec. 14	12,200		14.80	
1958	Nov. 19	11,500		14.70	
1959	Feb. 14	7,300		14.90	
1960	Mar. 3	15,200		14.80	
1972	Jan. 5	15,900		15.26	
1973	Mar. 17	60,100		17.31	
1974	Dec. 27	13,700		15.37	
1975	Mar. 14	23,300		15.96	
1976	Oct. 18	17,800		15.56	
1977	Mar. 5	24,200		16.17	
1978	May 9	16,000		15.45	
1979	Apr. 13	15,900		15.44	
1980	Mar. 18	17,700		15.54	
1981	Mar. 31	7,260		15.18	
1982	Jan. 4	22,800		15.53	
1983	May 20	23,900		15.82	
1984	Dec. 3	21,700		15.81	
1985	May 2	24,400	E	16.09	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02442000 Luxapallila Creek near Fayette

Location—Lat 33°43'10", long 87°52'14", in SW 1/4 sec. 26, T. 15 S., R. 13 W., Fayette County, Hydrologic Unit 03160105, on State Highway 18 and 2 mi northwest of Fayette.

Drainage area—130 mi².

Gage—Water-stage recorder. Datum of gage is 322.33 ft NGVD 29. Prior to Apr. 22, 1944, nonrecording gage at same site and datum.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1938	--	9,500	2,B	13.00	
1940	Apr. 4	6,260		12.40	
1941	Aug. 1	4,940		11.50	
1942	Mar. 17	4,710		11.30	
1943	Mar. 12	5,600		12.00	
1944	Mar. 28	5,750		12.10	
1945	Feb. 22	4,710		11.30	
1946	Jan. 8	12,500		13.57	
1947	Apr. 11	4,600		11.16	
1948	Feb. 12	5,060		11.60	
1949	Jan. 5	14,000		13.80	
1950	Jan. 6	9,700		13.10	
1951	Mar. 29	10,100		13.20	
1952	Mar. 11	4,710		11.30	
1953	Feb. 21	5,060		11.65	
1954	Jan. 22	3,860		10.20	
1955	Mar. 22	4,280		10.80	
1956	Feb. 20	4,060		10.50	
1957	Apr. 4	4,960		11.50	
1958	Nov. 19	5,330		11.80	
1959	Feb. 13	2,970		8.50	
1960	Mar. 3	5,330		11.75	
1961	Feb. 21	9,150		12.93	
1962	Dec. 18	8,000		12.70	
1963	Mar. 12	2,380		7.17	
1964	Apr. 27	6,340		12.20	
1965	Feb. 12	5,000		11.58	
1966	Apr. 27	6,200		12.23	
1967	Feb. 20	3,150		9.10	
1968	Dec. 18	12,000		13.48	
1969	Apr. 10	8,250		12.75	
1970	Mar. 20	7,560		12.59	
1979	Apr. 13	9,500	7	13.00	

02442500 Luxapallila Creek at Millport

Location—Lat 33°34'30", long 88°05'00", in SW 1/4 sec. 14, T. 17 S., R. 15 W., Lamar County, Hydrologic Unit 03160105, on State Highway 17, 0.2 mi downstream from Driver Creek, 1.0 mi north of Millport, and at mile 31.6.

Drainage area—247 mi².

Gage—Water-stage recorder. Datum of gage is 243.65 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1955	Feb. 6	4,020		10.20	
1956	Feb. 20	4,081		10.30	
1957	Apr. 4	5,060		11.80	
1958	Nov. 19	4,990		11.70	
1959	Jan. 21	3,960		10.10	
1961	Feb. 22	16,500	2,7	14.21	
1979	Apr. 13	14,000	7	13.93	
1981	Mar. 31	3,650		10.20	
1982	Jan. 5	10,500		13.24	
1983	Mar. 6	10,800		13.30	
1984	Dec. 3	13,300		13.74	
1985	May 3	5,630		11.97	
1986	Mar. 13	4,490		11.04	
1987	Feb. 27	5,150		11.64	
1989	Jan. 13	6,740		12.46	
1990	Feb. 16	7,810		12.65	
1991	Dec. 24	15,500		14.07	
1992	Dec. 2	2,960		9.17	
1993	Mar. 31	5,290		11.74	
1994	Mar. 28	10,300		13.19	
1995	Apr. 24	6,000		12.70	
1996	Apr. 22	6,310		12.74	
1997	May 4	9,500		13.37	
1998	Jan. 8	12,500		13.72	
1999	Jan. 24	12,200		13.54	
2000	Apr. 3	8,550		13.22	
2001	June 8	5,400		12.48	
2002	Dec. 14	6,650		12.86	
2003	Feb. 23	9,150		13.35	
2004	Feb. 7	14,600		13.99	
2005	Dec. 9	6,500		12.88	
2006	Feb. 23	5,250		12.43	
2007	Nov. 7	5,380		12.49	
2008	Mar. 4	5,530		12.18	
2009	Jan. 7	11,700		14.32	
2010	Dec. 10	6,490		13.64	
2011	Mar. 9	7,220		13.87	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02444000 Coal Fire Creek near Pickensville

Location—Lat 33°17'39", long 88°15'56", in NW 1/4 sec. 25, T. 20 S., R. 17 W., Pickens County, Hydrologic Unit 03160106, on State Highway 14, 4.5 mi north of Pickensville, and at mile 4.5.

Drainage area—126 mi².

Gage—Water-stage recorder. Datum of gage is 148.50 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1955	Feb. 24	860		6.53	
1956	Apr. 8	1,130		7.12	
1957	Dec. 24	1,101	1	--	
1958	May 3	1,820		7.80	
1959	Jan. 24	1,000		6.78	
1960	Mar. 4	3,060		8.60	
1961	Feb. 22	8,110		10.13	
1962	Dec. 19	2,890		8.51	
1963	July 16	2,960		8.27	
1964	Mar. 16	2,930		8.53	
1965	Feb. 12	2,210		8.10	
1966	Apr. 23	1,040		6.82	
1967	Aug. 12	590		5.42	
1968	Jan. 11	1,940		7.90	
1969	Apr. 15	1,920		7.88	
1970	Mar. 20	9,820		10.45	
1971	May 14	2,200		8.17	
1972	Jan. 11	2,700		8.48	
1973	Apr. 1	4,050		9.09	
1974	Apr. 14	3,200		8.73	
1975	Jan. 12	2,500		8.29	
1976	May 12	2,700		8.46	
1977	Apr. 4	6,760		9.84	
1978	May 11	3,770		8.91	
1979	Apr. 13	16,400		11.74	
1980	Apr. 14	3,480		8.82	

02445000 Lubbub Creek near Carrollton

Location—Lat 33°14'47", long 88°04'53", in NE 1/4 sec. 10, T. 21 S., R. 15 W., Pickens County, Hydrologic Unit 03160106, on county highway 12, 1 mi southeast of Carrollton, and 4 mi upstream from Little Lubbub Creek.

Drainage area—112 mi².

Gage—Water-stage recorder 1955–64. Crest-stage gage 1965–69. Datum of gage is 174.24 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1955	Feb. 7	1,560		8.70	
1956	Feb. 5	1,480		8.65	
1957	Dec. 15	1,480		8.65	
1958	Nov. 20	1,410		8.58	
1959	May 31	1,410		8.60	
1960	Mar. 3	2,600		9.27	
1961	Feb. 22	8,210		11.97	
1962	Dec. 18	3,600		9.99	
1963	July 17	4,590		10.31	
1964	Apr. 6	4,170		10.10	
1965	Feb. 12	3,060		9.53	
1966	Apr. 28	1,870		8.89	
1967	Dec. 13	1,140		8.39	
1969	Apr. 15	3,480	7	9.75	
1979	Apr. 13	21,000	7	16.00	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02445245 New River near Winfield

Location—Lat 33°55'47", long 87°40'47", in SE 1/4 SE 1/4 SW 1/4 sec. 10, T. 13 S., R. 11 W., Marion County, Hydrologic Unit 03160107, at bridge on U.S. Highway 78, 8 mi east of Winfield.

Drainage area—59.3 mi².

Gage—Crest-stage gage. Datum of gage is 387.80 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1951	Mar. 29	6,900		23.20	
1952	Mar. 11	3,000		16.50	
1953	Feb. 22	2,300		14.80	
1954	Jan. 22	3,500		17.50	
1955	Mar. 23	3,800		18.20	
1956	Feb. 4	2,700		16.00	
1957	Dec. 14	4,000		18.50	
1958	Apr. 29	2,100		14.50	
1959	Jan. 24	1,900		13.80	
1960	Mar. 2	4,700		19.80	
1961	Feb. 21	7,600		23.88	
1963	Mar. 12	3,210		17.02	
1964	Apr. 6	5,020		20.36	
1965	Feb. 12	3,510		17.62	
1967	Feb. 20	2,500		15.50	
1968	Dec. 18	7,800		24.11	
1969	Feb. 2	4,260		19.04	
1970	Mar. 20	4,900		20.16	
1971	Feb. 22	5,020		20.37	
1972	Dec. 6	1,250		11.66	
1973	Mar. 16	7,970		24.30	

02445500 Sipsey River at Fayette

Location—Lat 33°40'10", long 87°48'59", in SW 1/4 sec. 8, T. 16 S., R. 12 W., Fayette County, Hydrologic Unit 03160107, 1 mi southeast of Fayette, and 1.5 mi downstream from Southern Railway bridge.

Drainage area—282 mi².

Gage—Water-stage recorder. Datum of gage is 296.72 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1936	--	20,000	2,B	21.20	
1939	Feb. 16	11,500		19.60	
1940	Apr. 5	8,200		18.70	
1941	Mar. 6	2,950		16.10	
1942	Mar. 19	3,420		16.60	
1943	Dec. 29	8,800		18.90	
1944	Mar. 29	14,400		20.04	
1945	Mar. 5	10,500		19.34	
1946	Jan. 8	24,500		21.75	
1947	Jan. 21	7,200		18.30	
1948	Feb. 14	9,600		19.10	
1949	Jan. 6	20,000		21.10	
1950	Jan. 7	20,500		21.20	
1951	Mar. 29	20,500		21.20	
1952	Dec. 22	5,601		17.80	
1953	Feb. 22	10,100		19.15	
1954	Jan. 23	7,200		18.38	
1955	Mar. 23	8,100		18.67	
1956	Feb. 5	5,600		17.80	
1957	Dec. 15	6,601		18.20	
1958	Nov. 19	11,500		19.50	
1959	Jan. 24	3,500		16.60	
1979	Apr. 16	12,000	7	19.59	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02446500 Sipsey River near Elrod

Location—Lat 33°15'25", long 87°46'35", in NE 1/4 sec. 3, T. 21 S., R. 12 W., Tuscaloosa County, Hydrologic Unit 03160107, on State Highway 140, 1.0 mi east of Elrod, 2.0 mi downstream from Box Creek, and at mile 50.7.

Drainage area—528 mi².

Gage—Water-stage recorder. Datum of gage is 197.81 ft NGVD 29. Prior to Mar. 31, 1932, non-recording gage at railroad bridge 0.2 mi downstream from present site at datum 1.93 ft higher. Nov. 1 to Dec. 11, 1939, nonrecording gage at present site and datum.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1930	Nov. 17	15,500		14.10	3
1931	Apr. 5	4,690		11.70	3
1932	Feb. 22	7,090		12.31	3
1940	July 13	8,260		15.37	
1941	Aug. 1	6,560		15.00	
1942	Mar. 23	3,630		14.23	
1943	Mar. 17	7,760		15.25	
1944	Mar. 31	12,200		16.35	
1945	Feb. 17	7,401		15.19	
1946	Jan. 11	18,600		17.76	
1947	Jan. 23	6,500		14.96	
1948	Feb. 16	9,200		15.64	
1949	Jan. 7	17,100		17.30	
1950	Jan. 9	21,000		18.10	
1951	Mar. 31	21,000		18.10	
1952	Dec. 26	5,400		14.70	
1953	Feb. 25	9,400		15.70	
1954	Jan. 26	6,400		14.95	
1955	Mar. 27	4,230		14.40	
1956	Feb. 9	5,190		14.67	
1957	Feb. 4	6,190		14.90	
1958	Nov. 21	8,990		15.60	
1959	Feb. 19	3,020		13.94	
1960	Mar. 7	7,190		15.17	
1961	Feb. 23	27,800		18.83	
1962	Dec. 20	15,700		16.82	
1963	July 18	3,810		14.27	
1964	Apr. 16	11,700		16.15	

02446500 Sipsey River near Elrod—Continued

Location—Lat 33°15'25", long 87°46'35", in NE 1/4 sec. 3, T. 21 S., R. 12 W., Tuscaloosa County, Hydrologic Unit 03160107, on State Highway 140, 1.0 mi east of Elrod, 2.0 mi downstream from Box Creek, and at mile 50.7.

Drainage area—528 mi².

Gage—Water-stage recorder. Datum of gage is 197.81 ft NGVD 29. Prior to Mar. 31, 1932, non-recording gage at railroad bridge 0.2 mi downstream from present site at datum 1.93 ft higher. Nov. 1 to Dec. 11, 1939, nonrecording gage at present site and datum.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1965	Feb. 14	9,840		15.77	
1966	May 1	5,550		14.74	
1967	Dec. 17	2,100		13.32	
1968	Dec. 21	13,700		16.48	
1969	Apr. 14	8,070		15.37	
1970	Mar. 21	18,400		17.27	
1971	Feb. 25	9,980		15.80	
1979	Apr. 13	23,100		17.85	
1980	Apr. 15	13,600		16.25	
1981	Apr. 3	5,900		14.72	
1982	Jan. 7	13,300		16.20	
1983	Mar. 7	15,000		16.50	
1984	Dec. 4	17,300		16.88	
1985	May 5	7,800		15.10	
1986	June 4	1,970		13.15	
1987	Mar. 3	6,300		14.80	
1988	Jan. 26	3,170		13.86	
1989	Jan. 16	9,300		15.40	
1990	Feb. 16	14,300		16.38	
1991	Dec. 26	23,800		17.97	
1992	Dec. 9	2,720		13.63	
1993	Jan. 12	5,560		14.64	
1994	Mar. 30	12,900		16.12	
1995	Mar. 9	7,240		15.09	
1996	Jan. 31	7,440		15.14	
1997	May 7	9,520		15.59	
1998	Jan. 10	12,800		16.15	
1999	Jan. 26	14,000		16.34	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02446500 Sipsey River near Elrod—Continued

Location—Lat 33°15'25", long 87°46'35", in NE 1/4 sec. 3, T. 21

S., R. 12 W., Tuscaloosa County, Hydrologic Unit 03160107, on State Highway 140, 1.0 mi east of Elrod, 2.0 mi downstream from Box Creek, and at mile 50.7.

Drainage area—528 mi².

Gage—Water-stage recorder. Datum of gage is 197.81 ft NGVD 29.

Prior to Mar. 31, 1932, non-recording gage at railroad bridge 0.2 mi downstream from present site at datum 1.93 ft higher. Nov. 1 to Dec. 11, 1939, nonrecording gage at present site and datum.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
2000	Apr. 6	11,300		15.92	
2001	Apr. 8	6,960		15.02	
2002	Dec. 17	10,800		15.82	
2003	Feb. 25	12,500		16.10	
2004	Feb. 9	15,200		16.59	
2005	Dec. 11	13,800		16.30	
2006	Jan. 24	5,830		14.71	
2007	Jan. 5	4,050		14.31	
2008	Mar. 10	3,760		14.21	
2009	Jan. 9	18,300		17.14	
2010	Dec. 13	12,100		16.05	
2011	Mar. 13	12,000		16.02	
2012	Jan. 1	3,550		14.02	
2013	Jan. 18	10,500		15.77	
2014	Apr. 8	7,000		15.03	
2015	Dec. 29	7,200		15.08	

02447000 Sipsey River near Pleasant Ridge

Location—Lat 33°02'19", long 88°06'42", in NE 1/4 sec. 29, T.

24 N., R. 1 W., Greene County, Hydrologic Unit 03160107, on State Highway 40, 450 ft downstream from Hughes Creek, 2.5 mi northwest of Pleasant Ridge, 6 mi upstream from mouth, and 6 mi south of Aliceville.

Drainage area—769 mi².

Gage—Nonrecording. Datum of gage is 105.13 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1939	Feb. 10	8,190		19.05	
1940	July 16	7,020		19.25	
1941	Aug. 5	4,825		13.95	
1942	Mar. 28	3,350		11.05	
1943	Mar. 21	12,800		21.96	
1944	Apr. 3	10,800		22.71	
1945	Feb. 22	9,600		19.95	
1946	Jan. 13	15,000		22.20	
1947	Jan. 21	7,700		18.25	
1948	Feb. 15	10,000		20.90	
1949	Jan. 10	19,500		25.80	
1950	Jan. 11	17,500		24.10	
1951	Apr. 2	19,250		25.50	
1952	Dec. 30	5,200		14.60	
1953	Feb. 27	7,900		20.00	
1954	Jan. 29	5,630		15.30	
1955	Apr. 15	4,520		13.60	
1957	Feb. 7	7,800		18.16	
1958	Nov. 25	11,200		20.90	
1959	Feb. 22	3,550		11.50	
1961	Feb. 25	35,000		7	26.60

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02449245 Brush Creek near Eutaw

Location—Lat 32°49'51", long 87°58'56", in NE 1/4 sec. 3, T. 21 N., R. 1 E., Greene County, Hydrologic Unit 03160106, on county highway, 1.3 mi downstream from Pippin Creek, 2.2 mi upstream from Dry Creek, 5.5 mi west of Eutaw, and 7.2 mi upstream from mouth.

Drainage area—43.2 mi².

Gage—Water-stage recorder. Crest-stage gage 1971–75. Datum of gage is 105.92 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1971	Feb. 21	2,450		18.09	
1972	Jan. 10	2,000		16.93	
1973	Mar. 18	2,850		18.76	
1975	Dec. 25	2,770		18.63	
1976	Mar. 27	4,150		20.31	
1977	Mar. 21	4,500		20.61	
1978	Oct. 25	2,100		17.28	
1979	Apr. 13	6,450		22.68	
1981	Mar. 30	2,750		18.44	
1982	Apr. 20	1,450		14.48	
1983	May 20	4,050		20.17	
1984	Dec. 28	1,880		16.35	
1985	Feb. 5	1,780		16.04	
1986	May 18	2,150		17.34	
1987	Jan. 18	3,000		18.97	
1988	Jan. 19	409		8.11	
1989	Mar. 4	1,440		14.42	
1990	Feb. 16	8,100		23.54	
1991	Mar. 29	2,500		18.17	
1992	Aug. 27	715		10.16	
1993	Feb. 16	2,350		17.93	
1994	Jan. 28	2,210		17.46	
1995	Feb. 17	1,280		13.51	
1996	Mar. 8	2,860		18.72	
1997	July 22	3,030		18.97	

02465493 Elliots Creek at Moundville

Location—Lat 32°59'50", long 87°37'20", in SW 1/4 sec. 6, T. 23 N., R. 5 E., Hale County, Hydrologic Unit 03160113, on State Highway 69 at Moundville, and 6.6 mi upstream from mouth.

Drainage area—32.3 mi².

Gage—Water-stage recorder. Datum of gage is 147.81 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1977	Mar. 21	760		6.58	
1978	Oct. 26	375		6.11	
1979	Apr. 13	2,600		7.40	
1980	Apr. 13	750		6.56	
1981	Mar. 30	550		6.42	
1982	Apr. 20	380		6.15	
1983	Feb. 2	1,360		6.85	
1984	Dec. 29	560		6.43	
1985	Feb. 5	365	E	6.08	
1986	Oct. 1	160	E	4.92	
1987	Jan. 19	1,600		7.04	
1988	Jan. 21	99		3.98	
1989	Mar. 4	475		6.31	
1990	Feb. 16	6,200		8.80	
1991	Feb. 20	560		6.43	
1992	Sept. 4	280		5.90	
1993	Jan. 22	250		5.72	
1994	Jan. 27	260		5.74	
1995	Mar. 1	480		6.33	
1996	Jan. 27	900		6.83	
1997	July 22	828		6.75	
1998	Jan. 7	897		6.82	
1999	Jan. 30	1,460		7.26	
2000	Apr. 3	524		6.37	
2001	Sept. 4	420		6.21	
2002	Jan. 25	360		6.07	
2003	Apr. 25	1,160		7.05	
2004	Feb. 6	961		6.88	
2005	July 11	2,000		7.56	
2006	Mar. 21	325		6.00	
2007	Oct. 22	158		4.89	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02465493 Elliots Creek at Moundville—Continued

Location—Lat 32°59'50", long 87°37'20", in SW 1/4 sec. 6, T. 23

N., R. 5 E., Hale County, Hydrologic Unit 03160113, on State Highway 69 at Moundville, and 6.6 mi upstream from mouth.

Drainage area—32.3 mi².

Gage—Water-stage recorder. Datum of gage is 147.81 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
2008	Feb. 22	195		5.27	
2009	Sept. 21	6,430		9.76	
2010	Nov. 10	665		6.87	
2011	Mar. 10	679		6.89	
2012	Jan. 27	330		5.91	
2013	Jan. 31	419		6.31	
2014	Apr. 7	907		7.16	
2015	Jan. 4	557		6.69	

02465500 Fivemile Creek near Greensboro

Location—Lat 32°49'46", long 87°36'15", in NW 1/4 sec. 5, T. 21

N., R. 5 E., Hale County, Hydrologic Unit 03160113, on State Highway 69, 8.5 mi north of Greensboro, and 12 mi upstream from mouth.

Drainage area—73.6 mi².

Gage—Water-stage recorder. Datum of gage is 160 ft NGVD 29 (by barometer).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1955	Apr. 14	2,470		7.90	
1956	Mar. 16	3,540		8.37	
1957	Apr. 5	1,900		7.65	
1958	Feb. 7	955		6.86	
1959	Feb. 10	628		6.40	
1960	Jan. 30	974		6.88	
1961	Feb. 22	7,400		9.84	
1962	Dec. 18	7,400		9.84	
1963	Jan. 21	647		6.36	
1964	Apr. 6	3,460		8.49	
1965	Feb. 12	1,540		7.43	
1966	Feb. 16	1,880		7.67	
1967	Feb. 8	256		5.16	
1968	Apr. 5	1,320		7.25	

02465500 Fivemile Creek near Greensboro—Continued

Location—Lat 32°49'46", long 87°36'15", in NW 1/4 sec. 5, T. 21

N., R. 5 E., Hale County, Hydrologic Unit 03160113, on State Highway 69, 8.5 mi north of Greensboro, and 12 mi upstream from mouth.

Drainage area—73.6 mi².

Gage—Water-stage recorder. Datum of gage is 160 ft NGVD 29 (by barometer).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1969	Apr. 19	1,440		7.35	
1970	June 4	2,970		8.27	
1971	Mar. 3	1,840		7.65	
1972	Jan. 11	2,930		8.25	
1973	Apr. 8	1,120		6.92	
1974	Dec. 26	3,280		8.30	
1979	Apr. 13	2,700	7	8.14	

03592200 Cedar Creek near Pleasant Site

Location—Lat 34°32'56", long 88°01'09", in SW 1/4 sec. 9, T. 6

S., R. 14 W., Franklin County, Hydrologic Unit 06030006, 2.6 mi east of Pleasant Site, 4.3 mi upstream from Little Bear Creek, and at mile 19.1.

Drainage area—189 mi².

Gage—Water-stage recorder. Datum of gage is 482.67 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1948	Feb. 13	15,000	7	22.90	
1951	Mar. 28	14,000	7	22.20	
1955	Mar. 21	17,800	7	24.40	
1958	Nov. 16	8,800		18.60	
1959	Apr. 19	3,250		12.00	
1960	Dec. 18	7,200		18.10	
1961	Mar. 21	4,850		15.20	
1962	Dec. 18	11,000		20.73	
1963	Mar. 12	13,500		22.00	
1964	Mar. 15	12,200		20.78	
1965	Feb. 12	7,500		17.81	
1966	Feb. 13	3,710		12.92	
1967	Dec. 9	6,500		17.13	
1968	Jan. 10	6,550		17.16	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

03592200 Cedar Creek near Pleasant Site—Continued

Location—Lat 34°32'56", long 88°01'09", in SW 1/4 sec. 9, T. 6 S., R. 14 W., Franklin County, Hydrologic Unit 06030006, 2.6 mi east of Pleasant Site, 4.3 mi upstream from Little Bear Creek, and at mile 19.1.

Drainage area—189 mi².

Gage—Water-stage recorder. Datum of gage is 482.67 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1969	Feb. 2	7,500		17.80	
1970	Dec. 30	12,000		20.79	
1971	Feb. 22	7,400		17.23	
1972	May 7	4,150		13.32	
1973	Mar. 16	27,000		28.02	
1974	Jan. 11	7,500		17.50	
1975	Mar. 14	12,900		21.50	
1976	Oct. 18	8,250		18.06	
1977	Mar. 24	10,300		19.81	

03592300 Little Bear Creek near Halltown

Location—Lat 34°29'19", long 88°02'07", in NW 1/4 sec. 5, T. 7 S. R. 14 W., Franklin County, Hydrologic Unit 06030006, 2.7 mi northeast of Halltown, and at mile 4.3.

Drainage area—78.2 mi².

Gage—Water-stage recorder. Datum of gage is 499.30 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1951	Mar. 28	3,900	7	11.70	
1955	Mar. 21	6,800	7	13.70	
1958	Nov. 18	4,300		12.10	
1959	Apr. 19	1,750		8.40	
1960	Mar. 3	3,900		11.70	
1961	Mar. 21	2,500		10.09	
1962	Dec. 17	5,990		13.27	
1963	Mar. 12	5,810		13.17	
1964	Mar. 14	4,100		11.83	
1965	Feb. 11	3,900		11.67	
1966	Feb. 13	1,600		8.06	
1967	May 7	4,000		11.78	

03592300 Little Bear Creek near Halltown—Continued

Location—Lat 34°29'19", long 88°02'07", in NW 1/4 sec. 5, T. 7 S. R. 14 W., Franklin County, Hydrologic Unit 06030006, 2.7 mi northeast of Halltown, and at mile 4.3.

Drainage area—78.2 mi².

Gage—Water-stage recorder. Datum of gage is 499.30 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1968	Dec. 18	4,340		12.05	
1969	Apr. 10	3,130		10.68	
1970	Dec. 30	7,070		13.78	
1971	Feb. 22	3,420		11.00	
1972	Jan. 4	2,920		10.33	
1973	Mar. 16	20,400		18.18	
1974	Nov. 28	3,540		10.87	
1975	Mar. 13	8,200		14.23	
1976	Oct. 17	2,000	6	8.46	
1977	Mar. 12	2,870	6	10.00	

03592500 Bear Creek at Bishop

Location—Lat 34°39'21", long 88°07'21", in SE 1/4 sec. 5, T. 5 S. R. 15 W., Colbert County, Hydrologic Unit 06030006, 0.5 mi downstream from Cedar Creek, 0.8 mi southwest of Bishop, and at mile 27.3.

Drainage area—667 mi².

Gage—Water-stage recorder. Datum of gage is 419.91 ft NGVD 29. Nonrecording gage prior to June 23, 1928, and Feb. 10, 1929 to Mar. 31, 1932, at site 35 ft downstream, and June 7, 1933 to May 28, 1934, at bridge 20 ft downstream at datum 5.00 ft lower.

Remarks—Flow regulated since March 1969 by Bear Creek Reservoir.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1927	Dec. 26	40,000		22.00	
1928	Apr. 24	15,800		17.20	
1929	Mar. 24	36,500		21.60	
1930	Mar. 7	11,000		15.50	
1931	Apr. 1	6,500		12.40	
1932	Dec. 14	16,400		17.40	
1934	June 7	17,000		17.63	
1935	Mar. 7	9,600		15.23	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

03592500 Bear Creek at Bishop—Continued

Location—Lat 34°39'21", long 88°07'21", in SE 1/4 sec. 5, T. 5 S., R. 15 W., Colbert County, Hydrologic Unit 06030006, 0.5 mi downstream from Cedar Creek, 0.8 mi southwest of Bishop, and at mile 27.3.

Drainage area—667 mi².

Gage—Water-stage recorder. Datum of gage is 419.91 ft NGVD 29. Nonrecording gage prior to June 23, 1928, and Feb. 10, 1929 to Mar. 31, 1932, at site 35 ft downstream, and June 7, 1933 to May 28, 1934, at bridge 20 ft downstream at datum 5.00 ft lower.

Remarks—Flow regulated since March 1969 by Bear Creek Reservoir.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1936	Apr. 6	14,000		16.86	
1937	Jan. 2	10,800		15.69	
1938	Mar. 12	8,800		14.70	
1939	Feb. 15	17,700		17.72	
1940	Apr. 19	8,600		14.59	
1941	July 5	7,070		13.34	
1942	Mar. 17	12,300		16.30	
1943	Dec. 29	7,950		14.08	
1944	Mar. 29	29,000		20.18	
1945	Feb. 22	19,700		18.27	
1946	Jan. 8	25,000		19.38	
1947	Jan. 2	15,200		17.30	
1948	Feb. 14	35,000		21.44	
1949	Jan. 6	30,500		20.48	
1950	Jan. 8	28,800		20.06	
1951	Mar. 29	27,000		19.73	
1952	Dec. 21	12,000		16.07	
1953	Feb. 21	14,100		16.83	
1954	Jan. 23	15,500		17.23	
1955	Mar. 22	40,000		21.98	
1956	Feb. 5	11,100		15.81	
1957	Feb. 2	28,900		20.22	
1958	Nov. 19	19,100		18.08	

03592500 Bear Creek at Bishop—Continued

Location—Lat 34°39'21", long 88°07'21", in SE 1/4 sec. 5, T. 5 S., R. 15 W., Colbert County, Hydrologic Unit 06030006, 0.5 mi downstream from Cedar Creek, 0.8 mi southwest of Bishop, and at mile 27.3.

Drainage area—667 mi².

Gage—Water-stage recorder. Datum of gage is 419.91 ft NGVD 29. Nonrecording gage prior to June 23, 1928, and Feb. 10, 1929 to Mar. 31, 1932, at site 35 ft downstream, and June 7, 1933 to May 28, 1934, at bridge 20 ft downstream at datum 5.00 ft lower.

Remarks—Flow regulated since March 1969 by Bear Creek Reservoir.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1959	Feb. 14	6,600		12.78	
1960	Dec. 19	13,000		16.47	
1961	Mar. 8	9,480		15.09	
1962	Dec. 18	24,900		19.34	
1963	Mar. 12	24,400		19.24	
1964	Mar. 15	22,800		18.89	
1965	Feb. 12	14,600		16.98	
1966	Feb. 13	7,400		13.58	
1967	May 8	14,400		16.91	
1968	Jan. 11	13,900		16.76	
1969	Feb. 2	13,800		16.75	
1970	Dec. 30	27,200	6	19.84	
1971	Feb. 22	16,200	6	17.40	
1972	Jan. 5	10,500	6	15.55	
1973	Mar. 17	60,800	6	24.12	
1974	Jan. 11	18,100	6	17.95	
1975	Mar. 14	31,200	6	20.62	
1976	Oct. 18	13,000	6	16.45	
1977	Mar. 4	17,700	6	17.78	
1978	May 8	18,100	6	17.86	
1979	Jan. 1	10,100	6	15.39	
2014	July 19	5,740	6	11.23	
2015	Oct. 14	10,100	6	15.63	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02419625 Calebee Creek near Tuskegee Ala.

Location—Lat 32°22'48", long 85°49'36", Macon County, Hydrologic Unit 03150110.

Drainage area—124 mi².

Gage—Water-stage recorder. Datum of gage is 222.05 feet above NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1952	Mar. 25	7,200		15.50	
1953	May 5	7,800		15.60	
1954	Dec. 5	12,500		16.40	
1955	Apr. 14	2,100		13.50	
1956	Mar. 17	2,100		13.50	
1957	Apr. 6	5,200		14.90	
1958	Mar. 7	19,000		17.40	
1959	Feb. 6	960		11.30	
1960	Apr. 3	2,600		13.90	
1961	Feb. 25	13,800		16.54	
1962	Apr. 1	3,460		14.18	
1963	Jan. 21	2,150		13.38	
1964	Apr. 9	16,200		16.97	
1965	Jan. 23	2,940		13.91	
1966	Feb. 14	6,240		15.16	
1967	Jan. 3	338		9.48	
1968	Mar. 12	5,330		14.91	
1970	Mar. 21	1,900		13.16	

02421000 Catoma Creek near Montgomery

Location—Lat 32°18'26", long 86°17'58", in NW 1/4 sec. 6, T. 15 N. R. 18 E., Montgomery County,

Hydrologic Unit 03150201, on old U.S. Highway 331, 5 mi south of Montgomery.

Drainage area—290 mi².

Gage—Water-stage recorder. Datum of gage is 151.02 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1949	Nov. 28	38,300	7	27.50	
1953	Feb. 27	6,420		20.50	
1954	Dec. 5	10,700		23.03	
1955	Apr. 15	5,560		19.73	
1956	Sept. 26	6,500		20.68	
1957	Apr. 6	15,000		23.80	
1958	Mar. 8	25,600		25.70	
1959	Mar. 7	3,660		17.00	
1960	Apr. 4	13,500		23.33	
1961	Feb. 25	48,600		28.60	5
1962	Apr. 13	10,400		22.35	
1963	Jan. 21	9,100		21.85	2
1964	Apr. 28	21,700		25.20	
1965	Jan. 24	12,800		23.15	
1966	Feb. 13	11,500		22.71	
1967	Jan. 3	4,790		18.86	
1968	Mar. 12	10,800		22.47	
1969	Mar. 25	5,400		19.55	
1970	June 5	14,900		23.80	
1971	Mar. 4	12,200		22.94	
1972	Mar. 3	10,100		22.23	
1973	Apr. 26	20,900		25.07	
1974	Sept. 28	6,810		20.64	
1975	Feb. 17	43,900		28.13	
1976	Apr. 1	12,800		23.12	
1977	Mar. 30	8,580		21.59	
1978	Jan. 26	17,000		24.76	
1979	Apr. 5	15,500		24.44	
1980	Mar. 30	9,460		22.38	
1981	Feb. 12	5,480		18.97	
1982	Feb. 3	15,500		24.46	
1983	Apr. 9	9,760		22.53	
1984	Mar. 27	5,900		19.57	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02421000 Catoma Creek near Montgomery—Continued

Location—Lat 32°18'26", long 86°17'58", in NW 1/4 sec. 6, T. 15 N., R. 18 E., Montgomery County, Hydrologic Unit 03150201, on old U.S. Highway 331, 5 mi south of Montgomery.

Drainage area—290 mi².

Gage—Water-stage recorder. Datum of gage is 151.02 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1985	Feb. 7	4,650	E	17.36	
1986	Mar. 15	11,900		22.77	
1987	Mar. 1	5,420		18.29	
1988	Feb. 3	3,970		15.59	
1989	June 21	18,400		24.87	
1990	Mar. 17	50,000		29.78	
1991	Mar. 30	7,210		20.66	
1992	Jan. 15	5,430		18.77	
1993	Nov. 27	7,930		21.25	
1994	July 8	22,800		26.07	
1995	Feb. 19	5,610		19.01	
1996	Mar. 7	12,800		23.55	
1997	Feb. 23	5,190		18.43	
1998	Mar. 9	18,900		24.99	
1999	Feb. 1	4,400		17.17	
2000	Mar. 21	2,780		13.25	
2001	Mar. 4	28,600		27.20	
2002	Mar. 22	3,180		14.39	
2003	Apr. 27	7,430		20.85	
2004	Sept. 18	9,740		22.39	
2005	Mar. 28	28,300		27.14	
2006	Feb. 27	5,530		18.91	
2007	Mar. 3	6,150		19.62	
2008	Aug. 26	9,780		22.41	
2009	Mar. 29	11,100		23.03	
2010	Nov. 12	10,200		22.64	
2011	Mar. 11	3,170		14.36	
2012	Feb. 20	3,650		15.58	
2013	Feb. 13	14,300		23.96	
2014	Apr. 8	19,500		25.15	
2015	May 29	2,720		13.07	

02422000 Big Swamp Creek near Lowndesboro

Location—Lat 32°15'58", long 86°41'40", in NE 1/4 sec. 19, T. 15 N., R. 14 E., Lowndes County, Hydrologic Unit 03150201, on U.S. Highway 80, 1 mi downstream from Panther Creek, 5 mi west of Lowndesboro, and 12 mi upstream from mouth.

Drainage area—244 mi².

Gage—Water-stage recorder. Datum of gage is 127.95 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1938	Apr. 1	29,500	7	20.00	
1941	Mar. 8	4,400		16.60	
1942	Dec. 24	13,500		18.20	
1943	Mar. 21	25,000		19.50	
1944	Mar. 23	20,800		19.00	
1945	Apr. 25	13,500		18.20	
1946	June 2	14,000		18.28	
1947	Apr. 3	3,400		16.40	
1948	Mar. 7	6,000		17.00	
1949	Nov. 27	48,000		21.30	
1950	July 13	3,340		15.63	
1951	Apr. 22	1,600		14.98	
1952	Mar. 25	2,150		15.84	
1953	May 4	6,600		17.18	
1954	Dec. 6	2,850		16.11	
1955	Apr. 14	11,000		17.94	
1956	Mar. 16	5,400		16.93	
1957	Apr. 5	14,500		18.30	
1958	Mar. 7	21,000		19.11	
1959	Apr. 12	3,000		16.30	
1960	Jan. 18	4,400		16.68	
1961	Feb. 25	30,300		20.10	
1962	Apr. 12	5,400		16.95	
1963	Jan. 21	4,700		16.78	
1964	Apr. 8	11,000		17.93	
1965	Jan. 24	14,700		18.33	
1966	Feb. 13	4,500		16.73	
1967	Feb. 7	2,750		16.07	
1968	Mar. 12	5,400		16.97	
1969	Mar. 26	2,300	1	--	
1970	Mar. 22	11,000		17.97	
1971	Mar. 3	14,400		18.28	
1972	Mar. 3	14,400		18.28	
1973	Apr. 26	13,300		18.13	
1990	Mar. 17	20,300	7	19.07	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02425500 Cedar Creek at Minter

Location—Lat 32°04'45", long 86°59'02", in SE 1/4 sec. 20, T. 13 N., R. 11 E., Dallas County, Hydrologic Unit 03150203, on county road, 0.2 mi downstream from Snake Creek, 0.5 mi east of Minter, and 4 mi upstream from Dry Cedar Creek.

Drainage area—211 mi².

Gage—Water-stage recorder. Datum of gage is 123.50 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1953	May 3	7,300		19.40	
1954	Dec. 5	5,500		16.26	
1955	Apr. 10	7,200		19.15	
1956	Apr. 6	5,700		16.70	
1957	Dec. 24	14,100		21.50	
1958	Mar. 7	8,500		20.50	
1959	Mar. 28	6,000		17.10	
1960	Apr. 3	9,630		19.49	
1961	Feb. 25	45,600		24.58	
1962	Mar. 1	6,600		18.34	
1963	Jan. 20	5,700		16.48	
1964	Apr. 28	6,300		17.71	
1965	Jan. 24	12,800		20.10	
1966	Mar. 4	6,000		17.11	
1967	Sept. 12	5,700		16.59	
1968	Mar. 12	4,820		14.75	
1969	Mar. 24	5,400		15.64	
1970	Mar. 21	6,300		17.85	
1971	Mar. 3	7,200		19.15	
1972	Mar. 2	14,500		22.46	
1973	Apr. 26	7,770		19.99	
1974	Jan. 21	4,900		14.72	
1975	Feb. 17	99,800		26.53	
1976	Mar. 31	8,000		20.13	
1977	Mar. 13	6,280		17.82	
1978	Jan. 26	8,260		20.30	
1979	Apr. 4	8,440		20.40	
1980	Mar. 28	7,750		19.86	
1981	Feb. 10	6,300		17.87	
1982	Feb. 3	8,520		20.45	

02425655 Mush Creek near Selma

Location—Lat 32°14'40", long 86°59'35", in SW 1/4 sec. 29, T. 15 N., R. 11 E., Dallas County, Hydrologic Unit 03150203, at bridge on State Highway 41, 3 mi south of Sardis, and 12 mi south of Selma.

Drainage area—44.4 mi².

Gage—Crest-stage gage. Datum not available.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1951	Apr. 22	3,900		11.50	
1952	Mar. 25	2,000		9.50	
1953	May 4	12,500		16.50	
1954	Mar. 14	1,400		8.70	
1955	Apr. 11	22,100		20.10	
1956	Mar. 16	5,600		12.80	
1957	Apr. 17	4,700		12.10	
1958	Mar. 7	11,000		15.90	
1959	Mar. 12	2,100		9.70	
1960	Mar. 30	6,500		13.40	
1961	Mar. 31	13,000		16.89	
1962	Dec. 13	19,100		19.11	
1963	June 23	3,240		10.85	
1964	Mar. 15	13,100		16.95	
1965	Jan. 23	6,240		13.23	
1966	May 20	8,260		14.45	
1967	Feb. 7	3,540		11.13	
1968	Apr. 6	5,540		12.74	
1969	Mar. 24	4,620		12.05	
1970	Mar. 21	2,220		9.76	
1971	Mar. 2	5,580		12.77	
1990	Mar. 16	15,000	7	17.76	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02426000 Boguechitto Creek near Browns

Location—Lat 32°26'21", long 87°20'06", in NW 1/4 sec. 24, T. 17

N., R. 7 E., Dallas County, Hydrologic Unit 03150203, on U.S. Highway 80, 0.3 mi upstream from Southern Railway bridge, 2 mi east of Browns, and 2.5 mi downstream from Washington Creek.

Drainage area—95.4 mi².

Gage—Water-stage gage. Datum of gage is 129.39 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1943	Dec. 28	21,000	2	20.70	
1944	Mar. 23	7,000		16.40	
1945	Mar. 26	9,440		17.16	
1946	Mar. 28	2,800		14.31	
1947	Jan. 20	7,800		16.60	
1948	Mar. 23	3,500		14.80	
1949	Feb. 16	3,300		14.60	
1950	May 21	1,175		10.60	
1951	Mar. 29	14,200		19.00	
1952	Mar. 4	5,670		15.80	
1953	Feb. 21	2,850		14.30	
1954	Apr. 16	2,700		14.06	
1955	Apr. 13	4,930		15.50	
1956	Mar. 14	5,170		15.60	
1957	Apr. 4	820		8.90	
1958	Mar. 7	3,310		14.70	
1960	Oct. 15	2,050		13.20	
1961	Feb. 22	5,540		15.75	
1962	Dec. 18	4,200		15.08	
1963	Mar. 6	3,490		14.80	
1964	Apr. 8	10,200		17.51	
1965	Jan. 23	2,700		14.12	
1966	Feb. 13	3,440		14.75	
1967	Feb. 7	2,400		13.72	
1968	Apr. 5	4,500		15.31	
1969	Apr. 18	5,200		15.61	
1970	Mar. 20	2,640		14.09	
1971	Mar. 2	5,880		15.88	
1972	Jan. 5	5,980		15.92	
1973	Apr. 2	3,500		17.64	
1979	Apr. 13	10,600	7	17.64	

02427250 Pine Barren Creek near Snow Hill

Location—Lat 31°59'46", long 87°04'06", in SE 1/4 sec. 21, T.

12 N., R. 10 E., Wilcox County, Hydrologic Unit 03150203, at bridge on State Highway 21, 4 mi west of Snow Hill.

Drainage area—261 mi².

Gage—Water-stage recorder. Datum of gage is 126.60 ft NGVD 29 (levels by Highway Department).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1990	Mar. 17	23,900		24.30	
1991	May 11	5,160		17.93	
1992	Feb. 18	4,870		17.44	
1993	Dec. 18	10,100		22.19	
1994	Nov. 15	4,210		16.26	
1995	Mar. 8	4,950		17.58	
1996	Jan. 28	8,570		21.48	
1997	Dec. 2	5,870		19.07	
1998	Sept. 30	28,600		24.73	
1999	Mar. 15	7,190		20.48	
2000	Mar. 20	2,740		13.65	
2001	Mar. 4	30,400		25.70	
2002	Mar. 22	3,610		16.07	
2003	Dec. 25	10,800		21.28	
2004	Sept. 17	11,000		21.37	
2005	Apr. 2	10,200		21.07	
2006	May 11	4,650		18.00	
2007	Nov. 17	6,550		19.43	
2008	Aug. 26	3,460		15.68	
2009	Mar. 29	9,200		20.68	
2010	Dec. 14	9,590		20.84	
2011	Mar. 11	4,290		17.45	
2012	Sept. 5	8,300		21.68	
2013	Feb. 11	10,400		22.27	
2014	Apr. 8	17,900		24.10	
2015	Apr. 17	3,700		16.32	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02427700 Turkey Creek at Kimbrough

Location—Lat 32°01'15", long 87°33'30", in SE 1/4 sec. 10, T. 12 N., R. 5 E., Wilcox County, Hydrologic Unit 03150203, on county road, 0.6 mi downstream from State Highway 5, 1 mi south of Kimbrough, 2 mi upstream from mouth, and 6 mi upstream from Alabama River.

Drainage area—97.5 mi².

Gage—Water-stage recorder. Datum of gage is 58.78 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1958	Mar. 8	6,000	2	18.03	
1959	Apr. 1	1,900		6.51	
1960	June 2	7,310		19.90	
1961	Mar. 31	10,300		21.39	
1962	Dec. 10	39,600		25.02	
1963	Mar. 6	2,090		7.46	
1964	Apr. 8	6,210		18.33	
1965	Jan. 24	8,370		20.40	
1966	Feb. 13	2,730		11.35	
1967	Feb. 7	2,250		8.31	
1968	Oct. 31	8,220		20.27	
1969	Mar. 24	2,460		9.75	
1970	Aug. 10	3,840		14.30	
1971	Mar. 3	6,290		18.44	
1972	Dec. 7	4,940		16.33	
1973	Mar. 7	8,800		20.64	
1974	Sept. 9	6,150		18.24	
1975	Feb. 17	6,870		19.24	
1976	Mar. 31	9,340		20.92	
1977	Mar. 13	5,620		17.47	

02427700 Turkey Creek at Kimbrough—Continued

Location—Lat 32°01'15", long 87°33'30", in SE 1/4 sec. 10, T. 12 N., R. 5 E., Wilcox County, Hydrologic Unit 03150203, on county road, 0.6 mi downstream from State Highway 5, 1 mi south of Kimbrough, 2 mi upstream from mouth, and 6 mi upstream from Alabama River.

Drainage area—97.5 mi².

Gage—Water-stage recorder. Datum of gage is 58.78 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1978	May 9	2,690		11.18	
1979	Mar. 4	20,000		23.37	
1980	Mar. 28	5,500		19.12	
1981	Feb. 11	3,210		13.03	
1982	Feb. 3	3,320		13.30	
1983	Feb. 2	8,520		20.49	
1984	Dec. 28	2,850		11.82	
1985	Feb. 26	2,070		7.64	
1986	June 10	1,550		5.41	
1987	Mar. 1	2,990		12.35	
1988	Sept. 4	1,780		6.25	
1989	Apr. 5	2,750		11.37	
1990	Mar. 16	14,600		22.61	
1991	Mar. 30	3,090		12.66	
1992	Feb. 17	2,680		11.06	
1993	Jan. 21	6,040		18.06	
1994	Feb. 6	4,990		16.41	
1995	Mar. 8	2,580		10.45	
1996	Dec. 19	5,150		16.66	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02448500 Noxubee River near Geiger

Location—Lat 32°55'57", long 88°17'52", in NE 1/4 sec. 33, T. 23

N., R. 3 W., Sumter County, Hydrologic Unit 03160108, on State Highway 17, 0.1 mi upstream from Woodward Creek, 5 mi north of Geiger, and at mile 16.9.

Drainage area—1,097 mi².

Gage—Water-stage recorder. Datum of gage is 86.08 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1940	July 10	33,000		41.30	3
1945	Feb. 24	19,700		38.70	3
1946	Feb. 14	20,300		38.91	3
1947	Jan. 21	12,000		34.50	3
1948	Feb. 16	14,000		36.00	3
1949	Jan. 8	35,000		41.60	3
1950	Jan. 11	22,400		39.30	3
1951	Mar. 31	37,600		42.70	3
1952	Mar. 12	6,600		24.40	3
1953	May 6	11,900		33.60	3
1954	Apr. 17	8,550		29.46	3
1955	Apr. 14	8,270		29.10	3
1956	Apr. 7	12,700		34.42	3
1957	Apr. 5	7,690		28.72	3
1958	May 7	13,500		35.80	3
1959	Feb. 10	6,240		27.40	3
1960	Mar. 4	10,200		31.60	3
1961	Feb. 24	26,000		40.33	3
1962	Dec. 18	44,000		42.63	3
1963	Mar. 13	6,500		25.75	3
1964	Mar. 19	13,000		34.63	3
1965	Feb. 15	17,500		37.27	3
1966	Apr. 28	11,600		33.45	3
1967	Aug. 26	6,330		25.32	3
1968	Dec. 24	18,400		37.70	3
1969	Apr. 15	23,600		39.83	3
1970	Mar. 24	9,900		31.62	2,3
1971	Mar. 4	11,500		33.54	3
1972	Jan. 12	20,000		38.38	3
1973	Mar. 21	20,500		38.61	3
1974	Apr. 16	18,600		37.78	3
1975	Mar. 18	23,100		39.63	3
1976	Mar. 18	18,200		37.62	3
1977	Apr. 7	28,000		40.72	3
1978	May 9	9,260		30.94	3
1979	Apr. 14	156,000		48.58	3

02448500 Noxubee River near Geiger—Continued

Location—Lat 32°55'57", long 88°17'52", in NE 1/4 sec. 33, T. 23

N., R. 3 W., Sumter County, Hydrologic Unit 03160108, on State Highway 17, 0.1 mi upstream from Woodward Creek, 5 mi north of Geiger, and at mile 16.9.

Drainage area—1,097 mi².

Gage—Water-stage recorder. Datum of gage is 86.08 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1980	Apr. 17	23,400		39.09	3
1981	Apr. 1	9,130		30.76	3
1982	Apr. 26	11,100		33.02	3
1983	May 22	34,400		41.38	3
1984	Dec. 12	12,600		34.30	3
1985	Feb. 6	9,880		32.23	6
1986	Mar. 13	6,770		26.94	
1987	Mar. 1	13,500		35.61	
1988	Apr. 3	6,070		25.24	
1989	Jan. 19	11,600		34.46	
1990	Feb. 18	23,300		39.08	
1991	Feb. 24	28,500		40.61	
1992	Aug. 28	7,940		29.24	
1993	Jan. 15	16,000		37.20	
1994	Jan. 29	10,900		33.64	
1995	Apr. 24	10,700	2	33.18	5
1996	Jan. 27	13,100		36.04	
1997	Apr. 28	9,300		31.23	
1998	Jan. 8	19,800		38.89	
1999	Feb. 3	19,200		38.69	
2000	Apr. 4	13,200		35.75	
2001	Mar. 16	9,310		31.24	
2002	Dec. 15	10,400		32.82	
2003	Feb. 25	21,700		39.49	
2004	Feb. 9	17,200		37.98	
2005	Dec. 10	11,300		33.89	
2006	Mar. 2	9,870		32.16	
2007	Jan. 1	7,840		27.83	
2008	Feb. 23	7,540		27.00	
2009	Jan. 11	14,800		36.11	
2010	Mar. 12	14,200		35.29	
2011	Mar. 10	13,400		34.11	
2012	Mar. 23	11,400		30.79	
2013	Jan. 20	13,800		34.76	
2014	Apr. 9	15,500		37.10	
2015	Jan. 5	10,800		33.37	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02448900 Bodka Creek near Geiger

Location—Lat 32°48'25", long 88°18'43", in SE 1/4 sec. 8, T. 21 N., R. 3 E., Sumter County, Hydrologic Unit 03160108, at right bank on downstream side of State Highway 17, 1.6 mi downstream from Tifallili Creek, 4.2 mi north of Geiger, and 9.2 mi upstream from mouth.

Drainage area—158 mi².

Gage—Water-stage recorder. Datum of gage is 104.78 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1991	Feb. 20	10,500		21.89	
1992	Aug. 28	2,520		16.44	
1993	Jan. 12	9,230		21.44	
1994	Jan. 28	8,620		21.23	
1995	Mar. 8	4,920		18.88	
1996	Mar. 7	8,740		21.28	
1997	Apr. 28	8,380		21.13	
1998	Jan. 8	21,900		24.20	
1999	Jan. 31	14,800		22.87	
2000	Apr. 4	6,750		20.36	
2001	Apr. 5	4,720		18.67	
2002	Dec. 14	6,170		20.01	
2003	Apr. 25	14,000		22.71	
2004	Feb. 6	17,200		23.41	
2005	June 12	7,090		20.35	
2006	Mar. 21	7,440		20.52	
2007	Jan. 1	3,290		16.25	
2008	Feb. 22	7,830		20.72	
2009	Mar. 28	5,710		19.57	
2010	Mar. 11	13,600		22.63	
2011	Mar. 10	9,520		21.32	
2012	Mar. 23	11,200		22.05	
2013	Feb. 13	6,830		20.22	
2014	Apr. 7	15,400		23.03	
2015	Jan. 4	7,270		20.79	

02449400 Jones Creek near Epes

Location—Lat 32°41'27", long 88°10'02", in SW 1/4 sec. 23, T. 20 N., R. 2 W., Sumter County, Hydrologic Unit 03160106, on State Highway 39, 2.5 mi west of Epes, and 6 mi upstream from mouth.

Drainage area—11.8 mi².

Gage—Water-stage recorder. Datum of gage is 125 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1959	June 11	1,530		13.11	
1960	Apr. 3	1,480		12.75	
1961	Feb. 21	5,160		21.46	
1962	Apr. 12	2,980		18.55	
1963	Mar. 5	2,260		16.43	
1964	Mar. 2	2,490		17.22	
1965	Dec. 4	2,760		18.20	
1966	Feb. 12	2,220		16.27	
1967	July 6	574		6.40	
1968	May 4	1,500		12.91	
1969	Dec. 22	2,130		15.93	
1970	Aug. 9	2,040		15.57	
1971	Oct. 18	2,580		17.52	
1972	July 31	2,010		15.45	
1973	Jan. 21	3,100		18.81	
1974	Dec. 26	2,470		17.17	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02467500 Sucarnoochee River at Livingston

Location—Lat 32°34'25", long 88°11'36", in SW 1/4 sec. 33, T. 19

N., R. 2 W., Sumter County, Hydrologic Unit 03160202, 10 ft downstream from bridge on U.S. Highway 11, 0.8 mi southwest of Livingston, and 9 mi upstream from Alamuchee Creek.

Drainage area—607 mi².

Gage—Water-stage recorder. Datum of gage is 90.04 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1939	Mar. 30	6,800		22.84	
1940	July 11	11,500		24.60	
1941	Mar. 11	3,620		19.97	
1942	Mar. 23	10,300		24.35	
1943	Mar. 23	10,500		24.22	
1944	Mar. 31	7,280		23.02	
1945	Feb. 16	5,510		22.14	
1946	Feb. 12	9,190		23.88	
1947	Jan. 20	12,200		24.70	
1949	Nov. 30	18,500		26.90	
1950	Jan. 9	16,600		26.20	
1951	Mar. 30	21,500		27.60	
1952	Dec. 21	3,100		17.00	
1953	May 3	7,090		22.93	
1954	Mar. 30	3,600		--	
1955	Apr. 14	4,240		20.10	
1956	Mar. 18	14,700		25.60	
1957	Apr. 8	4,040		19.60	
1958	May 3	6,630		22.60	
1959	Feb. 14	2,920		16.03	
1960	Mar. 4	4,170		19.48	
1961	Feb. 22	31,500		29.35	
1962	Dec. 19	19,600		26.82	
1963	Mar. 5	3,520		17.83	
1964	Apr. 8	11,300		24.44	
1965	Feb. 15	5,920		22.09	
1966	Feb. 16	10,900		24.29	
1967	Feb. 8	1,980		12.62	
1968	Dec. 18	4,210		19.58	
1969	Apr. 18	7,650		23.13	
1970	Mar. 22	3,530		17.84	
1971	Feb. 25	6,570		22.56	
1972	Jan. 13	7,890		23.24	
1973	Apr. 27	6,350		22.02	
1974	Apr. 15	28,400		28.81	
1975	Jan. 13	11,200		24.39	
1976	Mar. 31	11,700		24.56	
1978	May 10	4,290		19.11	

02467500 Sucarnoochee River at Livingston—Continued

Location—Lat 32°34'25", long 88°11'36", in SW 1/4 sec. 33, T. 19

N., R. 2 W., Sumter County, Hydrologic Unit 03160202, 10 ft downstream from bridge on U.S. Highway 11, 0.8 mi southwest of Livingston, and 9 mi upstream from Alamuchee Creek.

Drainage area—607 mi².

Gage—Water-stage recorder. Datum of gage is 90.04 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1979	Apr. 14	62,200		33.47	
1980	Apr. 14	20,800		26.99	
1981	Apr. 2	10,600		23.72	
1982	Feb. 4	4,110	1	17.28	
1983	May 22	14,900		25.17	
1984	Dec. 28	4,240		17.59	
1985	Feb. 27	4,540	E	18.35	
1986	Oct. 31	2,810		14.02	
1987	Jan. 21	11,200		23.70	
1988	Apr. 23	2,810		14.16	
1989	Mar. 8	4,660		18.64	
1990	Feb. 17	23,000		27.53	
1991	May 1	12,200		24.30	
1992	Apr. 24	3,630		15.92	
1993	Jan. 15	9,230		23.06	
1994	Jan. 31	9,980		23.40	
1995	Mar. 9	7,110		21.62	
1996	Jan. 30	7,660		22.19	
1997	Mar. 7	12,600		24.63	
1998	Jan. 9	19,100		26.64	
1999	Feb. 2	14,200		25.18	
2000	Apr. 7	4,250		16.55	
2001	Mar. 4	6,350		20.45	
2002	Dec. 18	6,690		20.91	
2003	Apr. 9	28,000		28.79	
2004	Feb. 8	15,800		25.90	
2005	June 15	7,070		21.39	
2006	Mar. 25	4,960		18.13	
2007	Jan. 1	2,520		11.92	
2008	Feb. 22	5,330		18.83	
2009	Mar. 29	8,070		21.89	
2010	Mar. 14	8,830		22.65	
2011	Mar. 10	6,710		20.15	
2012	Jan. 26	5,230		17.24	
2013	Feb. 13	7,830		21.63	
2014	Apr. 10	14,700		25.55	
2015	Jan. 7	8,060		21.88	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02468000 Alamuchee Creek near Cuba

Location—Lat 32°26'20", long 88°20'17", in NE 1/4 sec. 24, T. 17 N., R. 4 W., Sumter County, Hydrologic Unit 03160202, on U.S. Highway 80, 2.5 mi northeast of Cuba, and 4 mi upstream from Toomsba Creek.

Drainage area—62.3 mi².

Gage—Water-stage recorder 1955–67. Crest-stage gage 1968–70. Datum of gage is 161.50 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1955	June 26	783		10.06	
1956	Mar. 16	4,220		15.98	
1957	Apr. 5	734		9.73	
1958	Mar. 8	1,910		14.60	
1959	June 9	460		7.17	
1960	Feb. 5	861		10.66	
1961	Feb. 22	12,000		18.03	
1962	Dec. 18	4,220		16.00	
1963	Mar. 7	838		10.52	
1964	Apr. 6	12,700		18.35	
1965	Dec. 12	1,470		13.90	
1966	Feb. 13	3,380		15.61	
1967	May 5	530		7.03	
1968	Apr. 6	1,170		11.29	
1969	Apr. 15	1,490		13.98	
1970	Mar. 21	741		9.51	
1979	Apr. 14	14,700	7	18.87	

02468500 Chickasaw Bogue near Linden

Location—Lat 32°19'45", long 87°47'27", in SW 1/4 sec. 28, T. 16 N., R. 3 E., Marengo County, Hydrologic Unit 03160201, on U.S. Highway 43, 1.5 mi north of Linden, 2 mi downstream from Atkin Creek, and 11 mi upstream from mouth.

Drainage area—257 mi².

Gage—Water-stage recorder. Datum of gage is 63.45 ft NGVD 29. January 1944 to September 1946, nonrecording gage at site 75 ft upstream at different datum.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1944	Apr. 27	33,000		30.02	
1945	Mar. 26	35,000		30.33	
1946	May 21	7,230		23.95	
1946	Feb. 13	11,200		25.43	
1947	Feb. 7	6,710		20.73	
1948	Apr. 5	11,500		25.76	
1949	Apr. 18	11,600		25.82	
1950	Mar. 4	8,150		22.50	
1951	Mar. 2	14,500		28.14	
1952	Dec. 7	12,500		26.62	
1953	Mar. 31	10,700		25.03	
1954	Sept. 8	16,700		28.79	
1955	Dec. 24	12,900		25.54	
1956	Mar. 31	25,000		27.92	
1957	Mar. 13	20,400		26.51	
1958	June 9	11,800		22.50	
1959	Mar. 4	34,000		30.18	
1960	Mar. 29	14,600		24.03	
1961	Apr. 1	14,800		24.14	
1962	Feb. 3	15,300		24.40	
1963	Feb. 2	28,800		28.23	
1964	Dec. 28	12,800		22.98	
1965	Feb. 26	11,500		22.11	
1966	Mar. 13	8,700		20.39	
1967	Nov. 25	14,600		24.02	
1968	Feb. 4	9,890		21.06	
1969	July 3	13,900		23.61	
1970	Mar. 16	23,900		27.28	
1971	Feb. 20	16,300		24.89	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02469000 Kinterbish Creek near York

Location—Lat 32°19'17", long 88°10'50", in NE 1/4 sec. 33, T. 16 N., R. 2 W., Sumter County, Hydrologic Unit 03160201, on State Highway 17, 0.8 mi north of Choctaw-Sumter Countyline, 5.5 mi downstream from Little Kinterbish Creek, and 14 mi southeast of York.

Drainage area—90.9 mi².

Gage—Water-stage recorder 1955–67. Crest-stage gage 1968–70. Datum of gage is 120 ft NGVD 29 (by barometer).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1955	Feb. 6	1,190		11.40	
1956	Mar. 16	2,070		16.00	
1957	Apr. 4	976		10.10	
1958	Mar. 7	2,330		17.30	
1959	June 12	1,000		10.29	
1960	Oct. 21	2,330		17.30	
1961	Feb. 22	11,500		22.23	
1962	Dec. 18	2,580		17.87	
1963	Jan. 20	510		7.03	
1964	Apr. 6	15,500		23.00	
1965	Oct. 5	2,170		16.51	
1966	Feb. 17	2,650		18.06	
1967	Dec. 31	640		8.07	
1968	Apr. 5	1,910		15.20	
1969	Apr. 18	2,950		18.70	
1970	Mar. 20	1,090		10.92	

02469500 Tuckabum Creek near Butler

Location—Lat 32°11'04", long 88°10'13", in SW 1/4 sec. 15, T. 14 N., R. 2 W., Choctaw County, Hydrologic Unit 03160201, 150 ft upstream from bridge on State Highway 17, 2.5 mi upstream from Yantley Creek, 4 mi downstream from Boguelichitto Creek, and 7 mi northeast of Butler.

Drainage area—115 mi².

Gage—Water-stage recorder 1955–70. Crest-stage gage 1971–79. Datum of gage is 120 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1955	Apr. 14	1,870		10.30	
1956	July 9	4,800		17.25	
1957	Sept. 28	1,800		10.70	
1958	Mar. 8	2,790		13.70	
1959	June 10	1,020		7.14	
1960	May 7	2,120		11.23	
1961	Feb. 22	13,000		20.13	
1962	Dec. 19	4,700		17.13	
1963	Mar. 6	1,090		7.43	
1964	Apr. 6	35,000		22.90	
1965	Jan. 24	3,210		14.92	
1966	Feb. 13	6,590		18.14	
1967	Feb. 7	923		6.65	
1968	Dec. 16	2,720		13.37	
1969	Dec. 23	4,810		17.26	
1970	July 23	1,390		8.65	
	Mar. 2	7,000		18.42	
	Dec. 7	8,000		18.75	
	Mar. 31	4,140		16.62	
	Apr. 13	11,500		19.81	
	Dec. 25	2,800		13.61	
	Mar. 30	8,200		18.95	
	Feb. 24	4,260		16.74	
	May 9	2,270		11.98	
	Mar. 4	11,000		19.63	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02469550 Horse Creek near Sweetwater

Location—Lat 32°02'53", long 87°52'32", in SW 1/4 sec. 34, T. 13 N., R. 2 E., Marengo County, Hydrologic Unit 03160201, on county road 25, 0.5 mi downstream from Mill Creek, 0.8 mi south of Exmoor, 1.2 mi north of Hoboken, and 3.5 mi south of Sweetwater.

Drainage area—60.4 mi².

Gage—Water-stage recorder 1959–70. Crest-stage gage 1971–79.
Datum of gage is 129 ft NGVD 29 (from topographic map). Prior to Oct. 1, 1965, at datum 1.00 ft higher.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1958	Mar. 8	2,700	2	14.78	
1959	June 10	1,850	2	14.21	
1960	Mar. 30	2,500		14.65	
1961	Mar. 31	9,700		16.80	
1962	Dec. 10	14,500		17.50	
1963	Mar. 6	800		11.78	
1964	Mar. 15	2,400		14.54	
1965	Jan. 23	6,200		16.07	
1966	Feb. 16	2,750		14.84	
1967	Feb. 7	1,200		13.42	
1968	Oct. 31	3,700		15.30	
1969	Mar. 24	1,400		13.73	
1970	Mar. 4	4,500		15.63	
1971	Mar. 2	8,500		16.60	
1972	Dec. 7	9,900		16.85	
1973	Apr. 26	17,000		17.79	
1974	Apr. 14	5,060		15.79	
1975	Feb. 17	16,400		17.73	
1976	Mar. 31	14,500		17.49	
1977	Apr. 1	6,400		16.12	
1978	May 9	1,850		14.19	
1979	Mar. 8	28,100		18.66	

02469800 Satilpa Creek near Coffeeville

Location—Lat 31°44'39", long 88°01'21", in SW 1/4 sec. 18, T. 9 N., R. 1 E., Clarke County, Hydrologic Unit 03160203, on U.S. Highway 84, 3 mi downstream from Harris Creek, and 3.8 mi east of Coffeeville.

Drainage area—164 mi².

Gage—Water-stage recorder. Datum of gage is 39.80 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1956	July 8	38,000		18.37	
1957	Apr. 5	4,100		13.93	
1958	Mar. 8	4,200		14.00	
1959	June 10	3,310		13.52	
1960	Mar. 30	4,000		13.94	
1961	Feb. 21	18,000		16.85	
1962	Dec. 10	14,850		16.53	
1963	Mar. 6	1,500		12.12	
1964	Mar. 15	3,400		13.60	
1965	Jan. 24	6,000		14.71	
1966	Feb. 17	4,000		13.91	
1967	Feb. 7	1,800		12.62	
1968	Nov. 1	3,100		13.37	
1969	May 19	1,780		12.56	
1970	Mar. 5	4,250		14.04	
1971	Mar. 3	4,200		14.00	
1972	Dec. 7	5,300		14.52	
1973	Mar. 8	4,500		14.13	
1974	Apr. 13	3,800		13.86	
1975	Feb. 17	4,800		14.33	
1976	Mar. 31	13,000		16.06	
1977	Mar. 13	6,200		14.80	
1978	June 9	3,150		13.44	
1979	Mar. 4	23,400		17.33	
1980	May 17	8,000		15.22	
1981	Feb. 11	4,520		14.14	
1982	Apr. 26	3,890		13.73	
1983	Feb. 2	10,500		15.77	
1984	Dec. 29	3,500	E	13.65	
1985	Feb. 6	2,000	E	12.77	
1986	Feb. 6	1,850		12.69	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02469800 Satilpa Creek near Coffeeville—Continued

Location—Lat 31°44'39", long 88°01'21", in SW 1/4 sec. 18, T. 9 N., R. 1 E., Clarke County, Hydrologic Unit 03160203, on U.S. Highway 84, 3 mi downstream from Harris Creek, and 3.8 mi east of Coffeeville.

Drainage area—164 mi².

Gage—Water-stage recorder. Datum of gage is 39.80 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1987	Feb. 28	3,340		13.53	
1988	Jan. 20	2,700		13.21	
1989	Apr. 5	4,500		14.13	
1990	Mar. 16	15,500		16.53	
1991	Mar. 2	4,200		14.01	
1992	Feb. 18	3,310		13.51	
1993	Dec. 17	6,880		15.02	
1994	July 15	2,400		13.03	
1995	Mar. 8	3,430		13.59	
1996	Dec. 19	6,070		14.77	
1997	June 22	4,300		14.09	
1998	Jan. 8	6,400		14.92	
1999	Jan. 31	15,500		16.54	
2000	Mar. 20	1,980		12.73	
2001	Mar. 4	9,990		15.67	
2002	Dec. 15	1,700		12.50	
2003	June 20	5,660		14.63	
2004	Sept. 17	3,810		13.83	
2005	July 11	8,190		15.32	
2006	Feb. 26	2,920		13.32	
2007	Jan. 1	3,030		13.36	
2008	Aug. 26	2,280		12.95	
2009	Mar. 27	8,050		15.29	
2010	Dec. 19	5,890		14.71	
2011	Mar. 10	5,580		14.60	
2012	Mar. 23	3,960		13.92	
2013	Feb. 11	24,500		17.45	
2014	Feb. 21	3,460		13.61	
2015	Apr. 17	7,470		15.16	

02343275 Abbie Creek near Abbeville

Location—Lat 31°33'42", long 85°12'18", in SW 1/4 sec. 23, T. 7 N., R. 28 E., Henry County, Hydrologic Unit 03130004, at bridge on State Highway 10, 2.5 mi east of Abbeville.

Drainage area—48.7 mi².

Gage—Crest-stage gage. Datum not available.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1951	--	7,020	2,B	9.10	
1952	Feb. 16	860		6.00	
1953	May 4	13,000	2	10.31	
1954	Dec. 6	1,300		6.50	
1955	Apr. 13	330		5.10	
1956	Sept. 25	3,200		7.40	
1957	Apr. 6	1,970		6.90	
1958	Apr. 10	500		5.50	
1959	Feb. 5	1,100		6.30	
1960	Apr. 5	1,100		6.30	
1961	Mar. 31	1,020		6.13	
1962	Apr. 1	2,290		7.06	
1963	Feb. 12	1,970		6.90	
1964	Mar. 3	2,080		6.96	
1965	Feb. 18	674		5.69	
1966	Mar. 4	1,400		6.50	
1967	Jan. 3	1,300		6.41	
1968	Nov. 1	420		5.22	
1969	May 15	1,420		6.52	
1970	Mar. 31	1,450		6.54	
1971	Feb. 22	2,460		7.14	
1972	Dec. 21	1,970		6.90	
1973	Dec. 8	2,440		7.39	
1974	Dec. 26	1,850		6.99	
1990	Mar. 17	7,100	7	9.10	
1994	July 6	28,000	7	13.00	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02343300 Abbie Creek near Haleburg

Location—Lat 31°28'24", long 85°09'45", in SE 1/4 sec. 19, T. 6 N., R. 29 E., Henry County, Hydrologic Unit 03130004, on State Highway 95, 1.2 mi upstream from Peterman Creek, 4.5 mi northwest of Haleburg, 7.8 mi upstream from mouth, and 9 mi southeast of Abbeville.

Drainage area—146 mi².

Gage—Water-stage recorder. Datum of gage is 145.74 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1958	Apr. 10	1,000	2	6.57	
1959	Feb. 5	1,460		8.13	
1960	Apr. 5	2,880		11.98	
1961	Mar. 31	3,000		12.30	
1962	Jan. 6	3,700		14.42	
1963	Feb. 12	2,690		11.42	
1964	Mar. 3	3,340		13.19	
1965	Dec. 26	3,070		11.67	
1966	Mar. 5	2,210		9.45	
1967	Jan. 3	1,940		8.69	
1968	Dec. 11	1,330		6.98	
1969	May 15	3,660		14.40	
1970	Mar. 31	7,590		23.84	
1971	Jan. 5	2,340		10.38	
1972	Dec. 21	2,060		9.45	
1973	--	5,300	B	18.60	
1974	--	3,600	2,B	--	
1975	Apr. 10	4,920		17.63	
1976	Jan. 26	4,950		17.70	
1977	Nov. 29	5,300		18.38	
1978	Jan. 26	7,080		23.07	
1979	Feb. 24	3,970		15.01	
1980	Mar. 13	3,970		15.00	
1981	Feb. 11	6,650		22.00	
1982	Feb. 3	2,740		11.21	
1983	Mar. 7	2,840		11.54	
1984	May 4	3,350		13.13	
1985	Feb. 7	4,180		15.59	
1986	Dec. 13	1,080		6.80	
1987	Jan. 22	930		6.29	
1988	Mar. 4	1,400		7.56	
1989	June 9	1,050		6.69	
1990	Mar. 18	5,730		19.72	
1991	Jan. 31	2,460		10.73	
1992	Jan. 13	1,900		9.17	
1993	Mar. 27	1,730		8.68	
1994	July 6	35,000	2,7	37.00	

02470072 Bassett Creek at US Highway 43 nr Thomasville, Ala.

Location—Lat 31°51'50", long 87°44'50" referenced to North American Datum of 1927, Clarke County, AL, Hydrologic Unit 03160203, on downstream side of bridge on U.S. Highway 43, 3 mi south of Thomasville.

Drainage area—10 mi².

Gage—Water-stage recorder. Elevation of gage is 292 ft above NGVD of 1929, from topographic map. 4.00 feet added to stage on October 1, 2017 in order to prevent frequent negative gage heights.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1996	Aug. 30	1,630		10.33	
1997	June 21	633		8.51	
1998	Mar. 8	1,330		10.00	
1999	Jan. 30	1,150		9.73	
2000	Apr. 4	194		5.14	
2001	Mar. 12	786		8.95	
2002	Dec. 14	475		7.53	
2003	Dec. 24	1,310		9.97	
2004	Sept. 16	1,780		10.48	
2005	July 11	2,460		11.03	
2006	May 11	695		8.29	
2007	Dec. 31	590		7.77	
2008	Dec. 31	590		7.77	
2009	Mar. 27	1,850		10.55	
2010	Feb. 5	1,290		9.95	
2011	Mar. 9	1,190		9.79	
2012	Feb. 19	578		7.83	
2013	Feb. 11	1,690		10.30	
2014	Apr. 6	797		8.80	
2015	Apr. 17	1,630		10.20	6

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02470100 Bassett Creek at Walker Springs

Location—Lat 31°32'15", long 87°47'24", in NE 1/4 sec. 32, T. 7 N., R. 3 E., Clarke County, Hydrologic Unit 03160203, on county road, 1,000 ft southeast of Walker Springs, and 2.8 mi upstream from Rabbit Creek.

Drainage area—195 mi².

Gage—Water-stage recorder 1956–70. Crest-stage gage 1971–78. Datum of gage is 60.02 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1956	July 8	18,000		12.25	
1957	Apr. 6	6,090		9.31	
1958	Mar. 9	5,570		9.10	
1959	June 10	5,310		8.98	
1960	June 3	4,790		8.78	
1961	Feb. 19	13,400		11.38	
1962	Dec. 10	7,560		9.84	
1963	Jan. 22	1,670		7.19	
1964	Apr. 28	2,470		7.80	
1965	Jan. 25	4,530		8.70	
1966	Feb. 18	3,490		8.30	
1967	Feb. 9	1,470		6.98	
1968	Nov. 1	8,260		10.09	
1969	Mar. 26	2,470		7.80	
1970	Mar. 4	4,580		8.72	
1972	Dec. 7	6,120		9.31	
1973	Mar. 8	9,390		10.42	
1974	Apr. 14	9,500		10.45	
1975	Feb. 17	8,470		10.16	
1976	Mar. 31	10,900		10.81	
1977	Apr. 1	6,450		9.44	

02479945 Big Creek at County Rd 63 near Wilmer, Ala.

Location—Lat 30°51'21", long 88°20'02" referenced to North American Datum of 1927, Mobile County, AL, Hydrologic Unit 03170008, on downstream side of bridge at County Road 63, about 2.9 mi northeast of Wilmer, and 3.2 mi north of U.S. Highway 98.

Drainage area—31 mi².

Gage—Water-stage recorder. Datum of gage is 125.44 ft above NGVD of 1929.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1991	May 10	6,910		14.21	
1992	Feb. 17	1,010		9.39	
1993	May 26	3,330		12.40	
1994	July 7	370		7.16	
1995	May 10	1,100		9.60	
1996	Dec. 18	2,090		11.17	
1997	June 21	514		7.87	
1998	Sept. 28	4,700		13.11	
1999	Oct. 7	654		8.35	
2000	Oct. 9	175		5.91	
2001	Mar. 4	592		8.13	
2002	Sept. 26	1,460		10.29	
2003	July 1	1,030		9.43	
2004	Apr. 30	2,790		11.76	
2005	July 6	2,320		11.32	
2006	Aug. 25	220		6.19	
2007	June 20	682		8.86	
2008	Feb. 1	717		8.95	
2009	Mar. 28	1,940		10.97	
2010	May 3	847		9.26	
2011	Mar. 10	313		7.35	
2012	Aug. 30	2,060		10.72	
2013	May 2	2,210		10.89	
2014	Apr. 30	2,840		11.56	
2015	May 17	692		8.27	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02374950 Big Escambia CR at Sardine Br nr Stanley Crossroad

Location—Lat 31°07'46", long 87°22'14" referenced to North American Datum of 1927, Escambia County, AL, Hydrologic Unit 03140305, on upstream side of Sardine Bridge on County Road 27, 2 mi west of Stanley Crossroads, 13 mi northwest of Flomaton.

Drainage area—193 mi².

Gage—Water-stage recorder. Elevation of gage is 110 ft above NGVD of 1929, from topographic map.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
2001	Mar. 5	11,400		16.63	
2002	Sept. 26	4,910		11.27	
2003	July 1	3,740		9.99	
2004	Sept. 18	8,270		14.30	
2005	July 12	3,620		9.83	
2006	May 11	1,200		5.22	
2007	Apr. 15	2,200		7.69	
2008	Aug. 27	2,790		8.70	
2009	Apr. 14	3,130		9.18	
2010	Dec. 15	10,500		18.02	
2011	Mar. 9	2,400		7.51	
2012	Sept. 6	2,700		8.05	
2013	Feb. 27	3,610		8.47	
2014	May 15	7,550		14.50	
2015	Apr. 19	1,490		4.85	

02375000 Big Escambia Creek at Flomaton

Location—Lat 31°00'38", long 87°15'46", in NE 1/4 sec. 33, T. 1 N., R. 8 E., Escambia County, Hydrologic Unit 03140305, on U.S. Highway 31 at north edge of Flomaton, 1.5 mi upstream from Alabama-Florida State line, and 4 mi upstream from mouth.

Drainage area—330 mi².

Gage—Water-stage gage 1939–51. Crest-stage gage 1952–75. Datum of gage is 52.40 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1939	Sept. 27	41,400		19.26	
1940	May 1	6,250		10.36	
1941	Jan. 17	2,790		6.38	
1942	Jan. 2	9,100		11.90	
1943	Mar. 21	6,500		10.45	
1944	Mar. 23	9,400		12.25	

02375000 Big Escambia Creek at Flomaton—Continued

Location—Lat 31°00'38", long 87°15'46", in NE 1/4 sec. 33, T. 1 N., R. 8 E., Escambia County, Hydrologic Unit 03140305, on U.S. Highway 31 at north edge of Flomaton, 1.5 mi upstream from Alabama-Florida State line, and 4 mi upstream from mouth.

Drainage area—330 mi².

Gage—Water-stage gage 1939–51. Crest-stage gage 1952–75. Datum of gage is 52.40 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1945	Apr. 29	5,400		9.64	
1946	Mar. 29	6,300		10.56	
1947	Mar. 8	7,400		11.06	
1948	Mar. 7	6,500		10.40	
1949	Nov. 28	15,400		14.50	
1950	Apr. 5	4,570		8.87	
1951	Mar. 19	6,330		10.30	
1952	Mar. 24	3,000		9.00	
1953	Apr. 26	3,590		7.80	
1954	Dec. 6	8,870		11.80	
1955	Apr. 14	45,600		19.40	
1956	Sept. 25	2,930		6.90	
1957	Dec. 25	4,270		8.60	
1958	Sept. 22	3,500		7.70	
1959	Sept. 14	5,100		9.60	
1960	Apr. 3	8,540		11.60	
1961	Apr. 12	10,900		12.83	
1962	Apr. 1	14,300		14.13	
1963	Jan. 21	5,100		9.65	
1964	Apr. 27	6,710		10.54	
1965	Jan. 23	16,200		14.75	
1966	Oct. 2	10,600		12.69	
1967	Jan. 3	9,200		11.98	
1968	Oct. 31	3,140		7.20	
1969	May 19	6,540		10.43	
1970	Feb. 17	4,060		8.37	
1971	Dec. 20	9,810		12.30	
1972	May 9	8,760		11.74	
1973	Mar. 31	8,190		11.42	
1974	Sept. 9	17,500		17.46	
1975	Feb	22,200	B	17.92	
2015	Apr. 15	2,190		11.38	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02428500 Big Flat Creek near Fountain

Location—Lat 31°36'30", Long 87°24'53", in NE 1/4 SEC. 1, T. 7

N., R. 6 E., Monroe County, Hydrologic Unit 03150204, on State Highway 41, 1 mi (1 mile) northwest of Foutain, 2 mi upstream from Bradley Mill Creek, 8 mi upstream from mouth, and 8 mi northwest of Monroeville.

Drainage area—247 mi².

Gage—Water-stage recorder. Datum of gage is 45.43 FT NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1930	--	--		16.70	5
1931	--	--		16.80	5
1932	--	--		14.50	5
1933	--	--		20.00	5
1934	--	--		17.20	5
1935	--	--		18.80	5
1936	--	--		20.20	5
1937	--	--		21.70	5
1938	--	--		22.80	5
1939	--	--		22.60	5
1940	--	--		17.20	5
1941	--	--		10.70	5
1942	--	--		15.10	5
1943	--	--		22.70	5
1944	Apr. 27	17,300		21.19	
1945	Apr. 29	3,250		12.68	
1946	May 21	9,700		18.90	
1947	Apr. 3	7,950		18.17	
1948	Dec. 11	8,900		18.70	
1949	Nov. 27	29,800		23.20	
1950	July 30	2,860		11.60	
1951	Apr. 21	4,490		14.70	
1952	Mar. 24	1,820		8.40	
1953	Apr. 9	2,790		11.40	
1954	Dec. 6	2,210		9.70	
1955	Apr. 15	6,220		16.80	
1956	July 8	3,960		13.93	
1957	Apr. 6	15,100		20.70	
1958	Mar. 10	3,160		12.40	
1959	June 11	6,040		16.60	

02428500 Big Flat Creek near Fountain—Continued

Location—Lat 31°36'30", Long 87°24'53", in NE 1/4 SEC. 1, T. 7

N., R. 6 E., Monroe County, Hydrologic Unit 03150204, on State Highway 41, 1 mi (1 mile) northwest of Foutain, 2 mi upstream from Bradley Mill Creek, 8 mi upstream from mouth, and 8 mi northwest of Monroeville.

Drainage area—247 mi².

Gage—Water-stage recorder. Datum of gage is 45.43 FT NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1960	Mar. 31	6,040		16.65	
1961	Feb. 25	21,300		22.00	
1962	Dec. 14	5,900		16.45	
1963	Jan. 20	2,710		11.18	
1964	Apr. 16	5,890		16.43	
1965	Jan. 25	4,280		14.40	
1966	Oct. 1	6,210		16.79	
1967	Feb. 8	1,970		8.90	
1968	Dec. 12	1,510		7.41	
1969	Mar. 25	2,550		10.72	
1970	Mar. 24	3,380		12.87	

02369800 Blackwater River near Bradley

Location—Lat 31°01'39", long 86°42'36", in SW 1/4 sec. 24, T.

1 N., R. 13 E., Escambia County, Hydrologic Unit 03140104, in Conecuh National Forest, on county road, and 1 mi east of Bradley.

Drainage area—87.7 mi².

Gage—Water-stage recorder. Datum of gage is 121.87 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1968	Dec. 11	358		4.84	
1969	Sept. 21	2,500		14.10	
1970	June 4	15,000		24.20	
1971	Aug. 1	786		7.78	
1972	May 9	1,230		9.84	
1973	Dec. 21	4,760		17.10	
1974	Sept. 9	1,980		12.56	
1975	July 31	8,700		20.37	
1976	Nov. 13	2,280		13.45	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02369800 Blackwater River near Bradley—Continued

Location—Lat 31°01'39", long 86°42'36", in SW 1/4 sec. 24, T. 1 N., R. 13 E., Escambia County, Hydrologic Unit 03140104, in Conecuh National Forest, on county road, and 1 mi east of Bradley.

Drainage area—87.7 mi².

Gage—Water-stage recorder. Datum of gage is 121.87 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1977	Mar. 31	1,760		11.86	
1978	Jan. 25	5,200		17.33	
1979	Mar. 4	2,380		13.70	
1980	Mar. 30	2,760		14.52	
1981	Feb. 11	2,220		13.31	
1982	Feb. 3	2,040		12.79	
1983	Feb. 2	1,720		11.72	
1984	Mar. 6	2,010		12.69	
1985	Feb. 6	2,890		14.78	
1986	Mar. 14	2,310		13.54	
1987	Aug. 14	1,850		12.44	
1988	Sept. 17	4,670		16.88	
1989	June 16	4,190		16.43	
1990	Mar. 17	17,700		25.35	
1991	Jan. 31	2,120		13.23	
1992	Jan. 14	1,440		10.98	
1993	Nov. 25	2,490		14.10	
1994	July 7	5,850		17.83	
1995	Feb. 11	4,200		16.44	
1996	Oct. 5	9,560		19.98	
1997	Feb. 15	989		8.80	
1998	Mar. 8	17,500		25.30	
1999	July 13	601		5.90	
2000	Jan. 10	280		3.35	
2001	Mar. 4	1,530		11.27	
2002	Sept. 26	1,010		8.61	
2003	Aug. 7	2,460		13.91	
2004	Sept. 17	3,140		15.05	
2005	Apr. 1	3,730		15.84	
2006	Jan. 2	993		8.52	
2007	Apr. 3	2,920		14.71	
2008	Feb. 1	2,700		14.35	
2009	Mar. 28	6,470		18.64	

02369800 Blackwater River near Bradley—Continued

Location—Lat 31°01'39", long 86°42'36", in SW 1/4 sec. 24, T. 1 N., R. 13 E., Escambia County, Hydrologic Unit 03140104, in Conecuh National Forest, on county road, and 1 mi east of Bradley.

Drainage area—87.7 mi².

Gage—Water-stage recorder. Datum of gage is 121.87 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
2010	Jan. 21	3,060		14.94	
2011	Jan. 6	824		7.43	
2012	June 11	1,110		9.26	
2013	Feb. 26	1,760		12.65	
2014	Apr. 19	2,320		13.82	
2015	Dec. 25	800		7.52	

02374745 Burnt Corn Creek at State Hwy 41 near Brewton, Ala.

Location—Lat 31°07'47", long 87°05'14" referenced to North American Datum of 1927, Escambia County, AL, Hydrologic Unit 03140304, near right bank at bridge on State Highway 41, 1.8 mi northwest of Brewton, 3.2 mi upstream of Murder Creek, and at river mile 3.2.

Drainage area—182 mi².

Gage—Water-stage recorder. Elevation of gage is 75 ft above NGVD of 1929, from topographic map.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1998	Sept. 30	18,400	7	22.15	
1999	Mar. 14	3,500		12.22	
2000	Oct. 10	946		7.71	
2001	Mar. 4	8,300		17.56	
2002	Sept. 26	2,250		10.54	
2003	July 2	5,810		15.68	
2004	Apr. 30	3,650		13.09	
2005	Nov. 3	3,180		12.35	
2006	May 11	1,040		7.53	
2007	Apr. 2	2,840		12.18	
2008	Dec. 30	1,760		9.78	
2009	May 6	2,760		12.03	
2010	Dec. 15	21,000		23.03	
2011	Mar. 10	1,500		8.98	
2012	Feb. 18	1,590		9.28	
2013	Feb. 12	3,090		11.53	
2014	May 15	4,510		13.94	
2015	Apr. 16	1,930		9.24	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02418760 Chewacla Creek at Chewacla State Park nr Auburn

Location—Lat 32°32'53", long 85°28'50" referenced to North American Datum of 1927, Lee County, AL, Hydrologic Unit 03150110, at abandoned bridge in Chewacla State Park, 0.2 mi downstream of Moores Mill Creek, downstream of Lake Ogletree, and 4 mi south of Auburn, Ala.

Drainage area—45 mi².

Gage—Water-stage recorder. Elevation of gage is 390 ft above NGVD of 1929, from topographic map.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
2003	July 1	5,100		9.19	
2004	Sept. 16	1,890		5.93	
2005	Mar. 27	4,500		8.61	
2006	Mar. 21	1,300		5.19	
2007	Mar. 2	1,670		5.69	
2008	Feb. 22	652		4.06	
2009	Feb. 28	3,800		7.95	
2010	Nov. 10	3,010		7.34	
2011	July 20	1,980		6.19	
2012	Feb. 19	886		4.55	
2013	Aug. 15	9,210		13.87	
2014	Apr. 7	4,560		9.17	
2015	May 28	2,770		7.24	
2016	Dec. 24	4,690		9.30	

02471001 Chickasaw Creek near Kushla

Location—Lat 30°48'10", long 88°08'36", in NE 1/4 sec. 11, T. 3 S., R. 2 W., Mobile County, Hydrologic Unit 03160204, 0.7 mi upstream from Seabury Creek, 1.4 mi southeast of Kushla, 7 mi northwest of Mobile, and at mile 12.2.

Drainage area—125 mi².

Gage—Water-stage recorder. Datum of gage is 3.85 ft NGVD 29. Prior to Aug. 2, 1964, water-stage recorder, Aug. 3, 1964 to Dec. 9, 1965, nonrecording gage, and Dec. 10, 1965 to September 1968, water-stage recorder at site 1.4 mi upstream at different datum.

Remarks—Record for October 1951 to September 1968 published as 02471000, Chickasaw Creek near Whistler.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1952	May 20	1,540		10.10	3
1953	Apr. 26	1,920		11.96	3
1954	Dec. 13	1,030		7.38	3
1955	Apr. 13	35,000		25.40	3
1956	Mar. 12	4,270		14.40	3
1957	Dec. 24	7,090		15.90	3
1958	Nov. 15	2,730		12.70	3
1959	June 2	17,000		20.63	3
1960	May 7	5,590		15.36	3
1961	June 20	6,340		15.90	3
1962	Nov. 15	14,700		19.97	3
1963	Jan. 20	1,430		9.30	3
1964	Apr. 27	4,610		14.74	3
1965	Jan. 23	12,000		18.80	3
1966	Oct. 1	2,500		12.38	3
1967	Jan. 2	4,120		14.35	3
1968	Oct. 31	4,330		14.70	3
1969	Aug. 18	6,830		17.58	
1970	June 3	3,870		15.91	
1971	Dec. 17	3,960		15.98	
1972	May 9	4,060		16.06	
1973	Sept. 14	3,060		15.05	
1974	Sept. 8	4,590		16.42	
1975	Aug. 1	7,270		17.79	
1976	Oct. 17	4,800		16.55	
1977	Apr. 1	3,020		14.96	
1978	Jan. 26	3,930		15.96	
1979	Mar. 4	7,000		17.66	
1980	Apr. 13	12,500		19.70	
1981	Feb. 11	5,620		16.99	
1982	Feb. 4	2,160		13.31	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02471001 Chickasaw Creek near Kushla—Continued

Location—Lat 30°48'10", long 88°08'36", in NE 1/4 sec. 11, T. 3 S., R. 2 W., Mobile County, Hydrologic Unit 03160204, 0.7 mi upstream from Seabury Creek, 1.4 mi southeast of Kushla, 7 mi northwest of Mobile, and at mile 12.2.

Drainage area—125 mi².

Gage—Water-stage recorder. Datum of gage is 3.85 ft NGVD 29. Prior to Aug. 2, 1964, water-stage recorder, Aug. 3, 1964 to Dec. 9, 1965, nonrecording gage, and Dec. 10, 1965 to September 1968, water-stage recorder at site 1.4 mi upstream at different datum.

Remarks—Record for October 1951 to September 1968 published as 02471000, Chickasaw Creek near Whistler.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1983	Apr. 7	15,800		20.38	
1984	May 23	4,220		16.18	
1985	Sept. 24	4,180		16.15	
1986	Feb. 6	3,280		15.27	
1987	Mar. 19	2,080	E	13.29	
1988	Sept. 17	3,410		15.42	
1989	June 9	2,220		13.36	
1990	Mar. 16	15,300		20.29	
1991	May 11	9,810		18.88	
1992	Feb. 18	3,510		15.53	
1993	May 26	6,680		17.55	
1994	June 25	1,400		10.92	
1995	Aug. 5	5,820		17.10	
1996	Dec. 19	10,800		19.20	
1997	July 20	4,140		16.11	
1998	Sept. 29	19,900		22.36	
2000	Oct. 8	2,920		14.43	
2001	Mar. 4	3,620		15.38	
2002	Sept. 26	7,520		18.16	
2003	July 1	4,050		15.85	
2004	May 1	5,820		17.15	
2005	Apr. 1	6,520		17.60	
2006	Feb. 26	753		8.40	
2007	Jan. 1	1,940		12.59	
2008	Sept. 2	8,920		18.80	
2009	Mar. 28	6,110		17.34	
2010	May 4	5,070		16.65	
2011	July 17	1,530		11.48	
2012	Aug. 31	4,100		15.90	
2013	Feb. 26	5,150		16.70	
2014	Apr. 30	6,840		17.88	
2015	May 17	9,610		19.09	

02361000 Choctawhatchee River near Newton

Location—Lat 31°20'30", long 85°36'43", in SE 1/4 sec. 2, T. 4 N., R. 24 E., Dale County, Hydrologic Unit 03140201, on State Highway 123, 0.8 mi north of Newton, 1 mi downstream from Atlantic Coast Line Railroad bridge, and at mile 133.0.

Drainage area—686 mi².

Gage—Water-stage recorder. Datum of gage is 138.56 ft NGVD 29. See Water-Supply Papers 1304 or 1724 for history of changes prior to Sept. 9, 1938.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1922	June 2	11,400		16.62	
1923	Mar. 20	13,200		18.53	
1924	Jan. 25	7,340		10.60	
1925	Jan. 17	28,000		28.00	
1926	Sept. 22	14,700		23.22	
1927	Feb. 18	3,760		6.40	
1929	Mar. 15	110,000	7	42.00	
1935	July 14	5,550		12.42	
1936	Jan. 20	25,800		29.50	
1937	Sept. 2	16,200		26.40	
1938	Nov. 14	9,650		20.10	
1939	Mar. 1	9,430		19.66	
1940	Feb. 19	9,600		20.03	
1941	July 16	2,580		6.98	
1942	Dec. 26	4,700		10.76	
1943	Jan. 20	19,300		27.40	
1944	Apr. 16	12,500		23.40	
1945	Apr. 25	3,300		9.61	
1946	Mar. 29	14,600		25.00	
1947	Mar. 9	12,800		23.66	
1948	Mar. 8	10,700		21.80	
1949	Nov. 29	8,840		18.90	
1950	Apr. 5	3,900		10.70	
1951	Mar. 29	5,400		12.60	
1952	Feb. 16	5,740		12.60	
1953	May 4	23,900		29.60	
1954	Dec. 7	12,000		23.00	
1955	Apr. 15	6,780		14.69	
1956	Sept. 27	13,000		24.54	
1957	Apr. 6	16,800		26.60	
1958	Mar. 9	5,000		11.20	
1959	Feb. 5	6,980		15.30	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02361000 Choctawhatchee River near Newton—Continued

Location—Lat 31°20'30", long 85°36'43", in SE 1/4 sec. 2, T. 4

N., R. 24 E., Dale County, Hydrologic Unit 03140201, on State Highway 123, 0.8 mi north of Newton, 1 mi downstream from Atlantic Coast Line Railroad bridge, and at mile 133.0.

Drainage area—686 mi².

Gage—Water-stage recorder. Datum of gage is 138.56 ft NGVD 29.

See Water-Supply Papers 1304 or 1724 for history of changes prior to Sept. 9, 1938.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1960	Apr. 5	13,700		24.70	
1961	Apr. 16	7,640		16.68	
1962	Apr. 2	8,330		17.84	
1963	Feb. 12	8,350		17.86	
1964	Mar. 4	10,600		21.43	
1965	Dec. 26	8,060		17.39	
1966	Mar. 6	9,600		20.44	
1967	Jan. 3	11,400		22.53	
1968	Mar. 13	4,600		11.56	
1969	May 16	10,600		21.33	
1970	Apr. 1	19,600		27.90	
1971	Mar. 27	11,600		22.86	
1972	Dec. 21	7,310		16.14	
1973	Mar. 13	12,300		23.27	
1974	Jan. 3	10,200		20.80	
1975	Apr. 11	16,700		28.71	
1976	Jan. 28	5,490		14.26	
1977	Nov. 30	13,700		25.72	
1978	Jan. 27	25,300		31.26	
1979	Feb. 25	11,000		23.17	
1980	Mar. 13	8,940		20.74	
1981	Feb. 11	9,070		20.90	
1982	Feb. 4	7,940		19.41	
1983	Mar. 27	5,800		15.97	
1984	May 4	6,490		17.23	
1985	Feb. 7	12,000		24.21	
1986	Mar. 15	5,730		15.46	
1987	Mar. 30	3,690		11.58	

02361000 Choctawhatchee River near Newton—Continued

Location—Lat 31°20'30", long 85°36'43", in SE 1/4 sec. 2, T. 4

N., R. 24 E., Dale County, Hydrologic Unit 03140201, on State Highway 123, 0.8 mi north of Newton, 1 mi downstream from Atlantic Coast Line Railroad bridge, and at mile 133.0.

Drainage area—686 mi².

Gage—Water-stage recorder. Datum of gage is 138.56 ft NGVD 29.

See Water-Supply Papers 1304 or 1724 for history of changes prior to Sept. 9, 1938.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1988	Mar. 5	6,620		17.03	
1989	June 16	3,410		11.00	
1990	Mar. 18	87,500		40.30	
1991	Feb. 1	10,100		22.10	
1992	Mar. 7	5,790		15.58	
1993	Nov. 27	9,520		21.46	
1994	July 7	60,800		37.78	
1995	Feb. 12	9,790		21.78	
1996	Mar. 19	7,110		17.86	
1997	Jan. 9	7,430		18.38	
1998	Mar. 9	39,200		34.58	
1999	Oct. 1	9,560		21.51	
2000	Feb. 14	2,350		8.70	
2001	Mar. 5	11,800		24.02	
2002	Apr. 10	2,330		8.67	
2003	Apr. 9	6,590		16.96	
2004	Feb. 14	3,710		11.58	
2005	Mar. 29	18,900		28.82	
2006	Jan. 2	5,110		13.80	
2007	Apr. 15	5,830		15.11	
2008	Feb. 1	5,020		13.64	
2009	Mar. 29	11,300		23.75	
2010	Dec. 15	25,100		31.92	
2011	Mar. 10	2,860		9.53	
2012	Aug. 7	5,570		14.64	
2013	July 6	8,880		20.45	
2014	Apr. 9	13,900		26.04	
2015	Apr. 19	9,140		20.89	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02372500 Conecuh River near Andalusia

Location—Lat 31°15'19", long 86°36'01", in NE 1/4 sec. 1, T. 3 N., R. 14 E., Covington County, Hydrologic Unit 03140301, on county road, 0.5 mi upstream from Simmons Mill Creek, and 7.5 mi southwest of Andalusia.

Drainage area—1,344 mi².

Gage—Water-stage recorder 1905–19, 1930–52, 1966–70. Crest-stage gage 1953–65. Datum of gage is 106.77 ft NGVD 29.

Remarks—Figures represent total period of record and reflect effects of regulation by Gantt and Point A Reservoirs and by hydroelectric plants.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1905	Feb. 18	13,100		24.10	
1906	Sept. 29	8,050		16.60	
1907	Oct. 4	8,830		17.90	
1908	Mar. 28	20,200		32.10	
1909	June 6	14,100		25.50	
1910	Apr. 21	7,940		16.50	
1911	Apr. 2	6,750		14.40	
1912	Apr. 22	19,600		31.60	
1913	Mar. 18	50,000		41.40	
1914	Feb. 10	2,970		7.70	
1915	Jan. 25	7,380		15.50	
1916	July 8	18,700		30.70	
1917	Mar. 9	12,200		22.80	
1918	Oct. 3	17,600		29.50	
1919	Dec. 26	25,300		34.60	
1929	Mar. 15	92,000		47.60	
1930	Nov. 20	10,500		23.92	
1931	Nov. 20	13,600		26.90	
1932	Jan. 6	6,640		17.42	
1933	Mar. 24	18,400		30.43	
1934	Mar. 9	11,800		24.68	
1935	Mar. 11	14,500		27.77	
1936	Jan. 20	26,400		34.65	
1937	Apr. 9	29,600		36.17	
1938	Mar. 17	33,300		37.30	
1939	Aug. 20	36,200		38.50	
1940	Feb. 19	12,500		26.40	
1941	Mar. 10	5,340		14.34	
1942	Dec. 30	9,710		22.46	

02372500 Conecuh River near Andalusia—Continued

Location—Lat 31°15'19", long 86°36'01", in NE 1/4 sec. 1, T. 3 N., R. 14 E., Covington County, Hydrologic Unit 03140301, on county road, 0.5 mi upstream from Simmons Mill Creek, and 7.5 mi southwest of Andalusia.

Drainage area—1,344 mi².

Gage—Water-stage recorder 1905–19, 1930–52, 1966–70. Crest-stage gage 1953–65. Datum of gage is 106.77 ft NGVD 29.

Remarks—Figures represent total period of record and reflect effects of regulation by Gantt and Point A Reservoirs and by hydroelectric plants.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1943	Mar. 24	32,300		37.40	
1944	Mar. 24	31,200		36.80	
1945	Apr. 29	9,060		21.40	
1946	May 22	18,100		31.20	
1947	Apr. 6	16,800		30.50	
1948	Mar. 8	22,100		33.40	
1949	Nov. 30	35,400		37.50	
1950	Apr. 9	10,300		23.60	
1951	Apr. 21	7,300		17.80	
1952	Mar. 29	16,900		30.70	
1953	May 9	18,900		31.80	
1954	Dec. 8	19,000		31.90	
1955	Apr. 18	18,000		31.30	
1956	Mar. 18	8,700		20.40	
1957	Apr. 7	14,400		29.00	
1958	Mar. 8	7,500		18.20	
1959	Mar. 30	12,600		26.70	
1960	Apr. 5	23,000		33.80	
1961	Feb. 23	20,100		32.45	
1962	Apr. 4	10,800		24.51	
1963	Jan. 22	9,270		21.54	
1964	May 6	11,100		25.02	
1965	Feb. 22	10,300		23.53	
1966	Mar. 6	19,800		32.32	
1967	Jan. 2	10,400		23.71	
1968	Dec. 13	4,580		12.33	
1969	Sept. 23	5,510		14.22	
1970	Apr. 11	26,500		35.04	
1975	Apr. 11	32,000	7	36.70	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02371500 Conecuh River at Brantley

Location—Lat 31°34'24", long 86°15'06", in SE 1/4 sec. 16, T. 7

N., R. 18 E., Crenshaw County, Hydrologic Unit 03140301, on U.S. Highway 331 and State Highway 52, 0.8 mi southeast of Brantley, and at mile 112.3.

Drainage area—500 mi².

Gage—Water-stage recorder. Datum of gage is 226.2 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1929	--	32,000	2,7,B	26.00	5
1938	Mar. 16	15,400		22.75	
1939	Aug. 19	15,600		22.87	
1940	July 2	6,500		17.49	
1941	Mar. 13	1,430		9.81	
1942	Dec. 27	5,700		17.00	
1943	Mar. 23	15,600		22.87	
1944	Mar. 25	15,000		22.57	
1945	Apr. 30	1,970		11.90	
1946	May 22	9,920		19.87	
1947	Apr. 4	10,800		20.43	
1948	Mar. 7	7,850		18.60	
1949	Nov. 29	15,800		23.00	
1950	Apr. 8	3,330		14.50	
1951	Apr. 20	1,810		11.39	
1952	Mar. 26	11,300		20.70	
1953	May 7	15,000		22.59	
1954	Dec. 7	9,250		19.52	
1955	Apr. 18	4,030		15.41	
1956	Mar. 19	3,940		15.29	
1957	Apr. 8	8,610		19.10	
1958	Mar. 12	4,600		16.00	
1959	Mar. 30	6,450		17.60	
1960	Apr. 4	14,400		22.30	
1961	Sept. 2	14,000		22.11	
1962	Apr. 3	5,460		16.80	
1963	Jan. 24	4,420		15.82	
1964	May 5	5,280		16.64	
1965	Dec. 29	6,630		17.74	
1966	Mar. 4	8,280		18.89	
1967	Jan. 6	2,990		14.01	

02371500 Conecuh River at Brantley—Continued

Location—Lat 31°34'24", long 86°15'06", in SE 1/4 sec. 16, T. 7

N., R. 18 E., Crenshaw County, Hydrologic Unit 03140301, on U.S. Highway 331 and State Highway 52, 0.8 mi southeast of Brantley, and at mile 112.3.

Drainage area—500 mi².

Gage—Water-stage recorder. Datum of gage is 226.2 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1968	Dec. 11	1,560		10.22	
1969	Mar. 29	2,250		12.68	
1970	June 6	9,010		19.35	
1971	Jan. 7	11,300		20.69	
1972	Mar. 4	11,200		20.65	
1973	Apr. 2	15,500		22.84	
1974	Apr. 8	4,380		15.78	
1975	Feb. 19	21,000		24.51	
1976	May 18	5,880		17.15	
1977	Mar. 25	3,990		15.34	
1978	Jan. 27	15,200		22.72	
1979	Apr. 6	10,000		19.96	
1980	Apr. 16	8,270		18.87	
1981	Feb. 11	5,970		17.03	
1982	Feb. 6	7,550		18.35	
1983	Mar. 30	6,220		17.24	
1984	Mar. 7	2,820		13.25	
1985	Mar. 2	2,810	E	13.23	
1986	Mar. 17	8,250		18.86	
1987	Mar. 5	2,950	E	13.53	
1988	Jan. 23	4,760	E	15.76	
1989	June 19	7,090		18.49	
1990	Mar. 18	24,000		24.44	
1991	Mar. 6	4,900		16.22	
1992	Jan. 17	5,150		16.55	
1993	Nov. 28	11,400		20.58	
1994	July 9	17,000		22.37	
1995	Mar. 11	4,860		16.16	
1996	Oct. 8	6,630		18.11	
1997	May 1	4,430		15.56	
1998	Mar. 10	17,000		22.62	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02371500 Conecuh River at Brantley—Continued

Location—Lat 31°34'24", long 86°15'06", in SE 1/4 sec. 16, T. 7 N., R. 18 E., Crenshaw County, Hydrologic Unit 03140301, on U.S. Highway 331 and State Highway 52, 0.8 mi southeast of Brantley, and at mile 112.3.

Drainage area—500 mi².

Gage—Water-stage recorder. Datum of gage is 226.2 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1999	July 1	6,980		18.40	
2000	Mar. 25	1,660		9.41	
2001	Mar. 6	16,900		22.59	
2002	Mar. 26	2,100		10.49	
2003	June 22	4,900		16.21	
2004	Sept. 17	4,920		16.25	
2005	Apr. 4	6,650		18.10	
2006	May 15	2,880		12.94	
2007	Apr. 20	2,250		11.30	
2008	Aug. 28	6,460		17.96	
2009	Mar. 31	8,510		19.31	
2010	Dec. 17	11,900		20.53	
2011	Mar. 13	3,550		13.75	
2012	Feb. 24	2,100		10.02	
2013	Feb. 15	7,230		18.68	
2014	Apr. 10	8,580		19.24	
2015	Apr. 22	2,830		12.00	

02372422 Conecuh River Bel Pt A Dam nr River Falls, Ala.

Location—Lat 31°21'40", long 86°31'11" referenced to North American Datum of 1927, Covington County, Ala., Hydrologic Unit 03140301, on right bank wingwall of Point A Dam, 1.65 miles upstream of U.S. Highway 84 bridge, 1.4 miles northeast of River Falls, 4 miles northwest of Andalusia, and at river mile 79.50.

Drainage area—1,273 mi².

Gage—Water-stage recorder. Datum of gage is 120.80 ft above NGVD of 1929.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1999	July 2	13,100		27.18	
2000	Mar. 21	3,020		11.02	
2001	Mar. 7	32,100		42.58	
2002	Mar. 26	4,920		13.33	
2003	Dec. 24	11,700		24.33	
2004	Sept. 21	12,900		26.35	
2005	Apr. 1	17,800		34.65	
2006	May 16	6,340		15.24	
2007	Apr. 15	6,640		15.72	
2008	Aug. 30	9,510		20.55	
2009	Apr. 1	21,600		37.63	
2010	Dec. 15	30,000		42.34	
2011	Mar. 9	7,180		16.58	
2012	Sept. 4	7,790		17.76	
2013	Feb. 17	13,100		27.23	
2014	Apr. 11	21,400		35.11	
2015	Oct. 2	800		8	9.06

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02371000 Conecuh River near Troy

Location—Lat 31°50'40", long 85°59'41", in NE 1/4 sec. 13, T. 10 N., R. 20 E., Pike County, Hydrologic Unit 03140301, on U.S. Highway 231, 1.5 mi downstream from Mannings Creek, and 3 mi north of Troy.

Drainage area—257 mi².

Gage—Water-stage recorder 1943–53. Crest-stage gage 1954–68. Datum of gage is 313.3 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1944	Mar. 23	16,500		15.58	
1945	Feb. 25	1,260		9.06	
1946	May 21	7,700		13.05	
1947	Apr. 2	10,500		14.00	
1948	Mar. 7	5,800		12.20	
1949	Nov. 28	18,000		16.10	
1950	Apr. 6	2,870		10.50	
1951	Mar. 21	825		8.30	
1952	Mar. 25	9,660		14.20	
1953	May 6	18,000		15.96	
1954	Dec. 7	7,820		13.50	
1955	Apr. 13	4,750		12.00	
1956	Mar. 18	3,430		11.20	
1957	Apr. 5	8,070		13.60	
1958	Nov. 24	2,760		10.70	
1959	Mar. 29	5,120		12.20	
1960	Apr. 4	8,580		13.80	
1961	Aug. 31	10,800		14.58	
1962	Apr. 3	4,710		11.98	
1963	Jan. 23	3,430		11.20	
1964	Apr. 27	4,480		11.85	
1965	Dec. 28	4,200		11.69	
1966	Mar. 4	4,370		11.79	
1967	Aug. 27	1,860		9.92	
1968	Dec. 11	1,290		9.29	
1990	Mar. 17	36,000	7	19.41	
1994	July 8	15,000	7	15.58	

02479980 Crooked Creek near Fairview

Location—Lat 30°46'48", long 88°19'08", in SW 1/4 sec. 18, T. 3 S., R. 4 W., Mobile County, Hydrologic Unit 03170008, on right bank 1 mi southwest of Fairview, and 4 mi southeast of Wilmer.

Drainage area—8.08 mi².

Gage—Water Stage Recorder. Datum of gage is 115 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1991	Jan. 7	490		5.22	
1992	Feb. 17	360		4.76	
1993	Jan. 21	1,195		6.99	
1994	June 25	450		5.12	
1995	May 10	1,425		7.44	
1996	Dec. 18	2,200		8.59	
1997	July 19	910		6.38	
1998	Sept. 28	1,250		7.11	
1999	Mar. 14	840		6.22	
2000	Mar. 29	320		4.60	
2001	Mar. 3	318		4.59	
2002	Sept. 26	720		5.92	
2003	July 1	485		5.21	
2004	Sept. 16	725		5.96	
2005	July 6	1,200		7.08	
2006	Dec. 15	130		4.11	
2007	Nov. 15	1,300		7.25	
2008	Apr. 5	940		6.53	
2009	Mar. 28	900		6.40	
2010	Jan. 21	620		5.69	
2011	Sept. 5	331		4.78	
2012	May 2	782		6.13	
2013	Feb. 26	618		5.69	
2014	Apr. 30	713		5.95	
2015	May 17	685		5.59	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02360500 East Fork Choctawhatchee River near Midland City

Location—Lat 31°22'23", long 85°28'38", in NW 1/4 sec. 31, T. 5 N., R. 26 E., Dale County, Hydrologic Unit 03140201, 4 mi upstream from West Fork Choctawhatchee River and 4 mi north of Midland City.

Drainage area—291 mi².

Gage—Water-stage recorder 1953–63. Crest-stage gage 1964–70. Datum of gage is 179.10 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1953	May 4	15,700		23.82	
1954	Dec. 6	6,390		18.20	
1955	Apr. 14	1,900		10.52	
1956	Sept. 27	4,500		16.94	
1957	Apr. 7	8,690		19.90	
1958	Mar. 9	1,860		10.40	
1959	Feb. 6	2,230		12.40	
1960	Apr. 5	5,150		17.54	
1961	Apr. 15	4,150		16.55	
1962	Apr. 2	4,030		16.26	
1963	Sept. 29	3,140		13.95	
1966	Mar. 5	3,900		16.00	
1967	Jan. 3	5,900		18.15	
1968	Mar. 14	1,890		9.80	
1969	May 15	6,840		18.88	
1970	Apr. 1	9,840		20.90	
1990	Mar. 17	27,500	7	28.18	
1994	July 6	31,000	2,7	29.30	

02364000 Pea River at Elba

Location—Lat 31°24'48", long 86°03'47", in SE 1/4 sec. 8, T. 5 N., R. 20 E., Coffee County, Hydrologic Unit 03140202, at bridge on U.S. Highway 84 at Elba.

Drainage area—959 mi².

Gage—Water-stage recorder. Datum of gage is 159.24 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1929	Mar	68,000	2,7,B	43.50	
1936	Jan. 21	24,300		29.55	
1937	Apr. 6	25,000		30.00	
1938	Mar. 17	34,500		35.00	
1939	Feb. 28	12,900		20.80	
1940	Feb. 18	7,900		16.00	
1941	Mar. 7	3,520		10.23	
1942	Apr. 10	7,350		15.40	
1943	Jan. 19	20,400		26.80	
1944	Mar. 24	19,000		25.80	
1945	Apr. 29	5,270		12.80	
1946	May 21	14,600		22.30	
1947	Apr. 3	11,800		19.80	
1948	Mar. 7	13,300		21.20	5
1949	Nov. 30	13,200		21.10	5
1950	Sept. 1	7,000		15.00	5
1951	Mar. 29	5,720		13.40	5
1952	Mar. 27	9,650		17.80	5
1953	Dec. 4	17,500		24.60	5
1954	Jan. 1	4,550		11.79	5
1955	Apr. 14	16,200		23.60	5
1956	Sept. 25	19,000		26.00	
1957	Apr. 5	16,500		24.10	
1960	Apr. 5	27,500		31.45	
1966	Mar. 5	15,500		23.20	
1970	June 4	17,000		24.40	
1971	Mar. 27	18,500		25.65	
1972	Mar. 3	11,700		19.70	5
1973	Mar. 12	20,700		27.00	
1974	Jan. 1	10,500		18.60	
1975	Feb. 19	38,200		37.26	
1976	May 15	11,900		19.90	
1977	Nov. 29	8,750		16.90	5
1978	Jan. 26	22,900		28.60	5
1979	Mar. 4	12,400		20.40	5
1980	Mar. 13	11,100		19.15	5

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02364000 Pea River at Elba—Continued

Location—Lat 31°24'48", long 86°03'47", in SE 1/4 sec. 8, T. 5 N., R. 20 E., Coffee County, Hydrologic Unit 03140202, at bridge on U.S. Highway 84 at Elba.

Drainage area—959 mi².

Gage—Water-stage recorder. Datum of gage is 159.24 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1981	Feb. 12	15,900		23.40	
1982	Feb. 4	8,420		16.55	
1983	May 20	13,500		21.35	
1984	Mar. 25	8,900		17.05	
1985	Feb. 6	10,900		19.00	
1986	Mar. 15	15,600		23.15	
1987	Feb. 28	6,630		14.55	
1988	Mar. 4	10,700		18.85	
1989	June 17	10,200		18.30	
1990	Mar. 17	58,000		43.28	
1991	Jan. 31	11,200		19.30	
1992	Jan. 14	8,950		17.10	
1993	Nov. 26	10,200		18.33	
1994	July 7	42,500		38.33	
1995	Feb. 12	13,600		21.40	
1996	Oct. 5	16,200		23.62	
1997	Feb. 15	8,760		16.91	
1998	Mar. 6	45,000		39.23	
1999	Mar. 14	12,600		20.51	
2000	Mar. 20	3,430		10.07	
2001	Mar. 4	15,100		22.70	
2002	Mar. 13	3,460		10.12	
2003	Apr. 8	10,000		18.17	
2004	Sept. 17	15,100		22.96	
2005	Apr. 1	16,800		24.34	
2006	Mar. 10	6,100		13.73	
2007	Apr. 15	8,800		16.90	
2008	Feb. 1	10,800		18.91	
2009	Apr. 1	16,700		23.98	
2010	Dec. 15	31,900		33.73	
2011	Mar. 10	5,500		13.03	
2012	Sept. 4	7,660		15.74	
2013	Feb. 26	11,500		19.53	
2014	Apr. 8	18,700		25.58	
2015	Apr. 19	7,730		15.82	

02479560 Escatawpa River near Agricola, Miss.

Location—Lat 30°48'12", long 88°27'31", in SW 1/4 SW 1/4 sec. 2, T. 3 S., R. 5 W., George County, Miss., Hydrologic Unit 03170008, on county road 612, 2.5 mi west of Alabama-Mississippi State line, 3.7 mi east of Agricola, 6.7 mi west of Wilmer, Ala., and 50.6 mi upstream from mouth.

Drainage area—562 mi².

Gage—Water-stage recorder. Datum of gage is 50 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1946	Mar. 28	8,600	2	--	
1947	Apr. 16	8,480	2	--	
1948	Mar. 7	14,900	2	--	
1950	Nov. 28	26,200	2	--	
1951	Mar. 31	11,300	2	--	
1952	May 20	5,280	2	--	
1953	Feb. 25	6,000	2	--	
1955	Dec. 8	5,920	2	--	
1956	July 11	13,900	2	--	
1957	Sept. 21	14,800	2	--	
1959	Nov. 15	6,880	2	--	
1960	May 7	14,600	2	--	
1961	Feb. 25	17,400	2	--	
1963	Dec. 13	21,100	2	--	
1964	Apr. 28	7,930	2	--	
1965	July 24	8,190	2	--	
1966	Feb. 17	8,270	2	--	
1967	Jan. 2	4,910	2	--	
1969	Oct. 31	6,700	2	--	
1970	May 5	5,330	2	--	
1972	Dec. 17	6,690	2	--	
1973	Sept. 14	7,890	2	--	
1974	Apr. 17	11,700		17.85	
1975	Apr. 12	12,500		18.06	
1976	Oct. 3	6,285		15.37	
1977	Apr. 1	8,500		16.53	
1978	June 11	12,600		18.10	
1979	Mar. 5	17,100		19.67	
1980	Apr. 14	13,900		18.56	
1981	Feb. 12	12,600		18.20	
1982	Feb. 5	9,600		16.96	
1983	Apr. 9	26,100		22.39	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02479560 Escatawpa River near Agricola, Miss.—Continued

Location—Lat 30°48'12", long 88°27'31", in SW 1/4 SW 1/4 sec. 2, T. 3 S., R. 5 W., George County, Miss., Hydrologic Unit 03170008, on county road 612, 2.5 mi west of Alabama-Mississippi State line, 3.7 mi east of Agricola, 6.7 mi west of Wilmer, Ala., and 50.6 mi upstream from mouth.

Drainage area—562 mi².

Gage—Water-stage recorder. Datum of gage is 50 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1984	May 23	7,470		16.24	
1985	Sept. 25	13,100		18.25	
1986	Oct. 31	12,100		17.84	
1987	Mar. 19	6,920		15.42	
1988	Mar. 5	7,000		15.87	
1989	May 21	5,600		15.09	
1990	Mar. 17	14,000	1,2	--	
1991	May 11	22,500		19.91	
1992	Feb. 19	8,080		16.40	
1993	Jan. 24	11,900		17.47	
1994	July 14	4,910		14.51	
1995	Feb. 13	7,990		16.37	
1996	Dec. 20	10,400		17.11	
1997	June 22	4,880		14.48	
1998	Sept. 30	27,800		22.81	
1999	Feb. 2	8,350		16.43	
2000	Oct. 11	3,900		13.09	
2001	Mar. 6	13,800		18.60	
2002	Sept. 28	8,870		16.65	
2003	July 2	11,200		17.49	
2004	Apr. 30	6,590		15.52	
2005	Apr. 2	9,400		16.86	
2006	Feb. 27	2,650		10.72	
2007	Jan. 1	7,480		16.00	
2008	Sept. 4	7,150		15.83	
2009	Mar. 28	27,900		22.82	
2010	Dec. 17	14,300		18.79	
2011	Mar. 13	6,400		15.40	
2012	Aug. 31	20,700		20.79	
2013	May 3	11,200		17.45	
2014	Apr. 30	13,600		18.30	
2015	May 17	6,750		15.48	

02378500 Fish River near Silver Hill

Location—Lat 30°32'43", long 87°47'55", NW 1/4 sec. 8, T. 6 S., R. 3 E., Baldwin County, Hydrologic Unit 03160205, on State Highway 104, 0.2 mi downstream from Caney Branch, 2.8 mi west of Silver Hill, and 12 mi upstream from mouth.

Drainage area—55.3 mi².

Gage—Water-stage recorder. Datum of gage is 30 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1954	Dec. 6	9,200		17.04	
1955	Dec. 6	443		6.66	
1956	Mar. 12	1,090		9.71	
1957	Apr. 5	5,080		14.70	
1958	Mar. 7	1,620		10.93	
1959	Sept. 13	1,970		11.50	
1960	Apr. 3	1,520		10.71	
1961	Apr. 12	4,570		14.29	
1962	Jan. 6	588		8.01	
1963	Jan. 21	690		8.48	
1964	Apr. 27	5,470		15.00	
1965	July 11	559		7.84	
1966	Oct. 1	2,420		12.13	
1967	Sept. 7	1,250		10.18	
1968	Dec. 11	330		5.52	
1969	July 24	4,220		14.00	
1971	Sept. 5	1,200		10.04	
1987	June 22	1,050		10.37	
1988	Sept. 17	1,060		10.57	
1989	June 9	9,470		19.28	
1990	Mar. 16	5,720		16.77	
1991	May 9	845		10.00	
1992	Jan. 13	4,570		15.74	
1993	Mar. 31	1,400		11.32	
1994	July 8	2,910		13.89	
1995	Mar. 8	1,610		11.69	
1996	Oct. 5	6,760		17.56	
1997	July 20	16,900		22.78	
1998	Sept. 28	7,870		18.31	
1999	June 11	665		9.05	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02378500 Fish River near Silver Hill—Continued

Location—Lat 30°32'43", long 87°47'55", NW 1/4 sec. 8, T. 6 S.,

R. 3 E., Baldwin County, Hydrologic Unit 03160205, on State Highway 104, 0.2 mi downstream from Caney Branch, 2.8 mi west of Silver Hill, and 12 mi upstream from mouth.

Drainage area—55.3 mi².

Gage—Water-stage recorder. Datum of gage is 30 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
2000	Mar. 30	600		8.68	
2001	June 11	1,930		12.39	
2002	Sept. 26	3,920		15.08	
2003	July 1	3,050		14.07	
2004	Sept. 16	4,970		16.13	
2005	Apr. 1	11,400		20.35	
2006	Apr. 22	344		6.75	
2007	Oct. 18	541		8.29	
2008	Sept. 1	3,130		14.17	
2009	Mar. 28	7,300		17.94	
2010	Jan. 21	1,830		12.22	
2011	July 16	2,200		12.87	
2012	June 10	1,020		10.40	
2013	July 11	1,900		11.84	
2014	Apr. 30	18,700		23.06	
2015	Apr. 15	1,420		10.48	

02371200 Indian Creek near Troy—Continued

Location—Lat 31°48'50", long 86°07'15", in NE 1/4 sec. 26, T. 10

N., R. 19 E., Pike County, Hydrologic Unit 03140301, on U.S. Highway 29, 3.5 mi upstream from mouth, and 9 mi west of Troy.

Drainage area—8.87 mi².

Gage—Water-stage recorder. Datum of gage is 354 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1959	Mar. 27	460		5.42	
1960	Mar. 29	175		4.48	
1961	Aug. 31	3,500		7.60	

02371200 Indian Creek near Troy—Continued

Location—Lat 31°48'50", long 86°07'15", in NE 1/4 sec. 26, T. 10

N., R. 19 E., Pike County, Hydrologic Unit 03140301, on U.S. Highway 29, 3.5 mi upstream from mouth, and 9 mi west of Troy.

Drainage area—8.87 mi².

Gage—Water-stage recorder. Datum of gage is 354 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1962	Mar. 31	535		5.57	
1963	Jan. 20	177		4.51	
1964	Apr. 27	323		5.01	
1965	Sept. 30	285		4.89	
1966	Mar. 4	342		5.14	
1967	May 22	300		5.00	
1968	Dec. 11	129		4.26	
1969	Apr. 18	420		5.29	
1970	June 3	1,740		6.91	
1971	Mar. 25	1,340		6.64	
1972	Mar. 1	684		5.94	
1973	Dec. 31	752		6.04	
1974	Apr. 4	629		5.87	
1975	Feb. 17	3,950		7.75	
1976	May 14	526		5.71	
1977	Mar. 4	425		5.52	
1978	Jan. 25	1,165		6.45	
1979	Apr. 4	1,435		6.65	
1980	Apr. 13	832		6.14	
1981	Feb. 10	752		6.04	
1982	Feb. 3	562		5.77	
1983	Mar. 27	530		5.74	
1984	Mar. 5	530		5.74	
1985	Dec. 5	340		5.37	
1986	Mar. 14	545		5.77	
1990	Mar. 17	2,320	7	7.19	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02360275 Judy Creek near Ozark

Location—31°27'47", long 85°34'20", in SE 1/4 sec. 30, T. 6 N., R. 25 E., Dale County, Hydrologic Unit 03140201, at bridge on county road, 1 mi upstream from mouth and 4.5 mi east of Ozark.

Drainage area—102 mi².

Gage—Crest-stage gage. Datum not available.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1951	Mar. 29	1,230		7.70	
1952	Feb. 15	2,050		11.50	
1953	May 4	13,500		19.00	
1954	Dec. 6	6,200		16.50	
1955	Apr. 13	2,830		13.30	
1956	Sept. 25	12,000		18.70	
1957	Apr. 7	17,000		19.70	
1958	Apr. 10	1,600		9.00	
1959	Feb. 5	1,900		11.00	
1960	Apr. 5	5,600		16.10	
1961	Feb. 23	1,120		7.18	
1962	Apr. 1	2,280		12.20	
1963	Jan. 20	1,580		9.39	
1964	Mar. 3	3,860		14.70	
1965	Oct. 5	3,880		14.72	
1966	Mar. 5	2,340		12.33	
1967	Jan. 3	5,000		15.75	
1968	Mar. 12	1,580		9.44	
1969	May 19	2,300		12.24	
1970	Mar. 31	2,320		12.30	
1971	Mar. 26	1,650		9.77	
1972	Dec. 21	2,130		11.78	
1973	May 28	5,570		16.14	
1974	Apr. 4	1,020		6.76	
1975	Apr. 10	5,820		16.29	
1976	Oct. 17	2,560		12.80	
1977	Jan. 14	4,140		15.00	
1990	Mar. 17	29,000	2,7	22.29	
1994	July 6	13,000	7	19.02	

02367500 Lightwood Knot Creek at Babbie

Location—Lat 31°16'14", long 86°18'49", in SE 1/4 sec. 35, T. 4 N., R. 17 E., Covington County, Hydrologic Unit 03140103, on U.S. Highway 84, 1 mi east of Babbie, 2 mi upstream from mouth, and 3.5 mi west of Opp.

Drainage area—114 mi².

Gage—Wire-weight gage prior to 1947. Water-stage recorder 1947–53. Crest-stage gage 1954–72. Datum of gage is 185 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1944	Sept. 11	12,500		11.86	
1945	Apr. 29	1,900		6.57	
1946	May 20	4,950		8.60	
1947	Apr. 16	3,220		7.52	
1948	Apr. 1	3,440		7.58	
1949	Jan. 6	3,200		7.48	
1950	Apr. 5	2,150		6.80	
1951	Apr. 20	2,530		7.10	
1952	Mar. 24	2,100		7.42	
1954	Nov. 24	1,080		6.40	
1955	Apr. 13	8,100		10.10	
1956	Sept. 25	4,300		8.20	
1957	Apr. 6	9,500		10.80	
1958	Nov. 14	929		6.20	
1959	June 3	2,100		7.40	
1960	Apr. 4	3,200		7.90	
1961	Apr. 2	4,700		8.37	
1962	Apr. 1	6,060		8.99	
1963	July 27	3,200		7.47	
1964	Mar. 4	3,870		7.79	
1965	Oct. 5	1,830		6.61	
1966	Mar. 1	3,740		7.64	
1967	Jan. 3	4,080		7.77	
1968	Nov. 3	2,500		6.98	
1969	May 19	1,570		6.33	
1970	June 3	12,200		11.31	
1971	Mar. 26	3,480		7.37	
1972	May 9	2,150		6.70	
1975	Apr. 13	21,600	7	14.70	
1990	Mar. 17	26,000	7	15.73	
1998	Mar. 8	37,900	7	19.54	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02362240 Little Double Bridges Creek nr Enterprise, Ala.

Location—Lat 31°16'20", long 85°57'30" referenced to North American Datum of 1927, Coffee County, Ala., Hydrologic Unit 03140201, near right bank on downstream side of bridge on County Road 18, 8.4 mi southwest of Enterprise.

Drainage area—21 mi².

Gage—Water-stage recorder. Elevation of gage is 195 ft above NGVD of 1929, from topographic map.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1986	Mar. 13	827		8.21	
1987	Mar. 30	370		7.10	
1988	Mar. 4	498		7.52	
1989	June 15	265		6.50	
1990	Mar. 17	7,950		13.90	
1991	Jan. 30	1,870		9.32	
1992	June 13	1,370		8.80	
1993	Mar. 31	2,750		10.27	
1994	July 6	14,200		16.45	
1995	Mar. 8	1,510		8.94	
1996	Oct. 4	3,100		10.63	
1997	Feb. 21	2,200		9.67	
1998	Mar. 8	13,900		16.35	
1999	Jan. 23	463		7.40	
2000	Feb. 14	585		7.79	
2001	Mar. 3	1,280		9.24	
2002	May 30	358		6.93	
2003	July 1	644		7.95	
2004	Sept. 16	1,490		9.55	
2006	Aug. 31	670		7.76	
2007	Mar. 1	1,210		8.91	
2008	Feb. 1	1,370		9.19	
2009	Mar. 28	3,960		11.78	
2010	Dec. 14	3,630		11.54	
2011	Dec. 1	316		6.66	
2012	Sept. 4	1,330		8.97	
2013	Aug. 20	690		7.96	
2014	Apr. 18	2,590		10.76	
2015	Apr. 19	906		8.47	
2016	Dec. 30	1,490		9.49	

02429000 Limestone Creek near Monroeville

Location—Lat 31°33'43", long 87°21'02", in NE 1/4 sec. 22, T. 7 N., R. 7 E., Monroe County, Hydrologic Unit 03150204, on State Highway 41, 3 mi northwest of Monroeville, and 10 mi upstream from mouth.

Drainage area—121 mi².

Gage—Water-stage recorder. Datum of gage is 104.88 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1929	--	--		22.00	
1952	Mar. 23	3,200		9.02	
1953	Dec. 10	1,575		7.40	
1954	Dec. 4	3,950		9.50	
1955	Apr. 14	8,600		11.50	
1956	July 8	5,100		10.13	
1957	Dec. 23	6,000		10.57	
1958	Nov. 14	2,700		8.62	
1959	June 10	2,180		8.29	
1960	Mar. 30	4,660		9.95	
1961	Feb. 25	30,600		16.28	
1962	Mar. 31	11,200		12.35	
1963	Mar. 6	1,600		7.47	
1964	Apr. 27	5,530		10.28	
1965	Sept. 30	10,200		12.05	
1966	Oct. 1	9,690		11.90	
1967	Jan. 1	2,710		8.64	
1968	Dec. 11	1,400		7.21	
1969	Mar. 24	2,210		8.20	
1970	June 3	3,190		8.98	
1971	Mar. 3	3,890		9.42	
1972	Mar. 3	1,370		7.03	
1973	Mar. 31	7,190		11.03	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02374500 Murder Creek near Evergreen

Location—Lat 31°25'06", long 86°59'12", in NW 1/4 sec. 8, T. 5 N., R. 11 E., Conecuh County, Hydrologic Unit 03140304, on U.S. Highway 31, 2.5 mi southwest of Evergreen, and at mile 35.6.

Drainage area—176 mi².

Gage—Water-stage recorder. Datum of gage is 178.29 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1929	Mar	90,000	2,7,B	26.60	5
1938	Mar. 16	21,300		16.65	
1939	Mar. 30	5,610		12.27	
1940	Feb. 18	1,760		10.08	
1941	Dec. 17	3,010		11.00	
1942	Dec. 24	3,900		11.52	
1943	Mar. 22	4,090		11.60	
1944	Nov. 8	6,800		12.77	
1945	Apr. 29	2,090		10.32	
1946	Jan. 7	6,900		12.57	
1947	Apr. 2	3,180		11.00	
1948	Mar. 3	4,100		11.20	
1949	Nov. 27	10,000		13.50	
1950	Apr. 5	1,190		8.91	
1951	Mar. 29	2,220		10.05	
1952	Mar. 24	2,100		10.20	
1953	July 22	1,800		9.80	
1954	Dec. 4	2,840		10.89	
1955	Apr. 14	6,260		12.58	
1956	July 9	2,840		10.81	
1957	Dec. 24	5,150		12.10	
1958	Feb. 7	1,230		9.26	
1959	June 10	3,460		11.15	
1960	Apr. 3	4,790		11.77	
1961	Feb. 25	18,200		16.13	
1962	Mar. 31	8,730		13.22	
1963	Jan. 21	1,650		9.82	
1964	Apr. 27	10,800		13.80	
1965	Jan. 23	8,050		13.02	
1966	Oct. 1	5,110		11.99	
1967	Jan. 2	1,880		9.90	

02374500 Murder Creek near Evergreen—Continued

Location—Lat 31°25'06", long 86°59'12", in NW 1/4 sec. 8, T. 5 N., R. 11 E., Conecuh County, Hydrologic Unit 03140304, on U.S. Highway 31, 2.5 mi southwest of Evergreen, and at mile 35.6.

Drainage area—176 mi².

Gage—Water-stage recorder. Datum of gage is 178.29 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1968	Nov. 1	728		7.90	
1969	May 19	1,400		9.51	
1970	June 3	3,950		11.43	
1971	Mar. 27	2,320		10.44	
1972	May 8	1,710		9.90	
1973	Apr. 1	4,920		11.91	
1974	Sept. 9	3,890		11.40	
1975	Apr. 10	14,000		15.27	
1976	Dec. 31	5,930		12.46	
1977	Mar. 13	2,160		10.50	
1978	Jan. 25	6,110		12.54	
1979	Mar. 4	8,180		13.44	
1980	Apr. 13	8,510		13.58	
1981	Feb. 11	4,440		11.78	
1982	Feb. 4	3,000		11.00	
1983	Apr. 8	4,040		11.58	
1984	May 3	4,960		12.02	
1985	July 26	4,570		11.84	
1986	Mar. 14	2,390		10.54	
1987	Feb. 16	1,000	E	8.67	
1988	Sept. 11	2,260	E	10.44	
1989	Mar. 30	2,400		10.56	
1990	Mar. 16	21,000		16.59	
1991	Mar. 2	2,300		10.45	
1992	Feb. 15	2,780		10.90	
1993	Nov. 25	3,900		11.50	
1994	July 8	1,750		9.91	
1995	Aug. 4	3,360		11.30	
1996	Oct. 5	5,750		12.52	
1997	Mar. 1	1,570		9.69	
1998	Mar. 8	7,300		13.20	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02374500 Murder Creek near Evergreen—Continued

Location—Lat 31°25'06", long 86°59'12", in NW 1/4 sec. 8, T.

5 N., R. 11 E., Conecuh County, Hydrologic Unit 03140304, on U.S. Highway 31, 2.5 mi southwest of Evergreen, and at mile 35.6.

Drainage area—176 mi².

Gage—Water-stage recorder. Datum of gage is 178.29 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1999	Mar. 15	2,650		10.72	
2000	Oct. 11	440		6.12	
2001	Mar. 4	12,500		14.83	
2002	Oct. 14	1,650		9.76	
2003	July 1	5,200		12.31	
2004	Sept. 17	2,980		10.97	
2005	July 12	3,620		11.42	
2006	Feb. 27	1,200		8.77	
2007	Nov. 17	3,040		11.02	
2008	Dec. 31	1,920		10.08	
2009	Mar. 28	2,560		10.77	
2010	Dec. 15	7,160		13.32	
2011	Feb. 6	1,750		9.96	
2012	Feb. 19	1,180		9.16	
2013	Feb. 11	4,300		11.96	
2014	Apr. 8	4,050		11.81	
2015	Apr. 18	1,610		9.77	

02469700 Okatuppa Creek at Gilbertown

Location—Lat 31°53'27", long 88°18'48", in SE 1/4 sec. 30, T. 11

N., R. 3 W., Choctaw County, Hydrologic Unit 03160201, on Highway 17, 0.8 mi northeast of Gilbertown, and 1.5 mi upstream from Bogueloosa Creek.

Drainage area—148 mi².

Gage—Water-stage recorder. Datum of gage is 59.41 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1957	Apr. 4	4,660		12.00	
1958	Feb. 6	5,800		13.40	
1959	Feb. 4	2,400		8.60	
1960	Mar. 15	5,600		13.30	
1961	Feb. 21	15,000		17.40	
1962	Apr. 28	5,700	1	13.15	
1963	Jan. 20	2,850		9.35	
1964	Apr. 7	7,100		14.50	
1965	Jan. 23	6,350		13.90	
1966	Feb. 12	5,830		13.40	
1967	May 4	2,760		9.26	
1968	Dec. 15	4,560		11.89	
1969	Apr. 14	5,890		13.47	
1970	Mar. 4	2,770		9.28	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02372000 Patsaliga Creek at Luverne

Location—Lat 31°43'27", long 86°16'42", in SW 1/4 sec. 29, T. 9 N., R. 18 E., Crenshaw County, Hydrologic Unit 03140302, on U.S. Highway 331, 1 mi northwest of Luverne, and 3 downstream from Pond Creek.

Drainage area—254 mi².

Gage—Water-stage recorder 1944–58. Crest-stage gage 1959–70. Datum of gage is 267.53 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1944	Mar. 24	13,100		15.55	
1945	Feb. 16	1,400		10.43	
1946	Jan. 7	7,550		13.71	
1947	Apr. 3	5,560		12.90	
1948	Mar. 7	6,800		13.40	
1949	Nov. 28	16,700		16.80	
1950	Apr. 6	6,550		13.30	
1951	Feb. 4	1,690		10.60	
1952	Mar. 25	7,310		14.05	
1953	Apr. 12	4,340		13.00	
1954	Dec. 6	7,280		14.20	
1955	Apr. 16	3,340		12.40	
1956	Mar. 14	2,240		11.40	
1957	Apr. 6	10,200		15.00	
1958	Mar. 9	5,160		13.40	
1959	Mar. 29	8,630		14.60	
1960	Apr. 4	15,500		16.40	
1961	Feb. 26	10,300		15.07	
1962	Apr. 1	6,110		13.79	
1963	Jan. 23	4,920		13.29	
1964	Apr. 28	14,500		16.16	
1965	Dec. 28	6,170		13.81	
1966	Mar. 4	7,830		14.37	
1967	Jan. 3	2,950		12.09	
1968	Mar. 15	2,060		11.15	
1969	Mar. 25	3,520		12.51	
1970	June 4	20,800		17.45	
1990	Mar. 17	37,000	7	20.29	

02372250 Patsaliga Creek near Brantley

Location—Lat 31°35'46", long 86°24'20", in NE 1/4 sec. 12, T. 7 N., R. 16 E., Crenshaw County, Hydrologic Unit 03140302, on State Highway 106, 3.0 mi north of Leon, and 10.9 mi northwest of Brantley.

Drainage area—442 mi².

Gage—Water-stage recorder. Datum of gage is 220 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1975	Feb. 19	15,200		22.21	
1976	May 16	9,460		20.73	
1977	Apr. 1	5,040		19.29	
1978	Jan. 27	15,400		22.05	
1979	Apr. 6	12,800		21.46	
1980	Apr. 16	10,300		20.90	
1981	Feb. 12	3,840		17.93	
1982	Feb. 5	9,980		20.82	
1983	Mar. 8	6,080		19.79	
1984	Mar. 7	2,670		15.80	
1985	Mar. 2	3,520	E	17.46	
1986	Mar. 16	9,690		20.76	
1987	Mar. 4	2,870	E	16.25	
1988	Mar. 5	2,550	E	15.51	
1989	June 19	9,110		20.79	
1990	Mar. 17	43,600		25.67	
1991	Mar. 5	6,700		20.00	
1992	Feb. 19	3,530		17.45	
1993	Nov. 27	14,200		21.83	
1994	July 10	4,870		19.13	
1995	Mar. 11	4,320		18.54	
1996	Oct. 8	7,620		20.36	
1997	May 1	5,970		19.73	
1998	Sept. 30	25,400		23.66	
1999	July 1	5,760		19.65	
2000	Mar. 22	1,090		10.71	
2001	Mar. 5	20,600		22.94	
2002	Mar. 22	2,320		15.07	
2003	Apr. 11	4,310		18.38	
2004	Sept. 19	11,700		21.36	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02372250 Patsaliga Creek near Brantley—Continued

Location—Lat 31°35'46", long 86°24'20", in NE 1/4 sec. 12, T. 7 N., R. 16 E., Crenshaw County, Hydrologic Unit 03140302, on State Highway 106, 3.0 mi north of Leon, and 10.9 mi northwest of Brantley.

Drainage area—442 mi².

Gage—Water-stage recorder. Datum of gage is 220 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
2005	Mar. 30	9,280		20.83	
2006	May 14	4,740		18.96	
2007	Mar. 6	1,470		12.12	
2008	Aug. 29	2,620		16.48	
2009	Mar. 30	11,500		21.32	
2010	Dec. 16	12,700		21.69	
2011	Mar. 13	2,620		16.03	
2012	Apr. 5	1,750		13.16	
2013	Feb. 15	6,810		19.71	
2014	Apr. 9	11,800		21.65	
2015	Apr. 22	2,930		15.07	

02363000 Pea River near Arinton—Continued

Location—Lat 31°35'41", long 85°46'59", in SW 1/4 sec. 7, T. 7 N., R. 23 E., Dale County, Hydrologic Unit 03140202, on Highway 231, 3.5 mi west of Arinton and at mile 92.5.

Drainage area—498 mi².

Gage—Water-stage recorder. Datum of gage is 246.72 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1929	Mar	50,000	2,7,B	25.00	
1939	Mar. 1	13,000		18.36	
1940	Feb. 20	7,290		16.26	
1941	Mar. 12	1,190		5.46	
1942	Feb. 20	4,541		13.92	
1943	Mar. 22	19,100		19.98	
1944	Mar. 24	18,600		19.80	
1945	Apr. 29	1,730		7.43	
1946	May 22	9,160		17.57	
1947	Apr. 3	13,700		18.80	
1948	Mar. 7	7,170		16.10	

02363000 Pea River near Arinton—Continued

Location—Lat 31°35'41", long 85°46'59", in SW 1/4 sec. 7, T. 7 N., R. 23 E., Dale County, Hydrologic Unit 03140202, on Highway 231, 3.5 mi west of Arinton and at mile 92.5.

Drainage area—498 mi².

Gage—Water-stage recorder. Datum of gage is 246.72 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1949	Nov. 29	13,700		18.80	
1950	Apr. 6	2,500		9.60	
1951	Apr. 21	1,900		7.92	
1952	Mar. 26	11,600		18.32	
1953	Sept. 28	9,680		17.52	
1954	Dec. 7	9,030		17.12	
1955	Apr. 16	4,360		13.05	
1956	Sept. 27	8,240		16.60	
1957	Dec. 25	9,190		17.20	
1958	Mar. 11	4,090		12.65	
1959	Mar. 29	7,190		15.94	
1960	Apr. 4	22,000		20.42	
1961	Apr. 2	7,840		16.33	
1962	Apr. 3	5,000		13.75	
1963	Jan. 22	4,480		13.00	
1964	Mar. 5	7,110		15.84	
1965	Oct. 6	10,600		17.98	
1966	Mar. 5	10,900		18.14	
1967	Jan. 3	5,900		14.88	
1968	Mar. 14	4,330		12.75	
1969	Apr. 21	3,540		11.27	
1970	June 5	7,130		15.86	
1971	Jan. 7	9,220		17.22	
1972	Mar. 4	10,400		17.91	
1973	Apr. 2	17,000		19.57	
1974	Feb. 10	3,720		11.64	
1975	Feb. 18	47,600		24.38	
1976	Oct. 19	7,580		16.16	
1977	Mar. 25	4,440		12.74	
1978	Jan. 27	18,000		19.88	
1979	Apr. 7	8,240		16.60	
1980	Mar. 31	7,550		16.14	
1981	Feb. 12	9,910		17.62	
1982	Feb. 6	6,380		15.26	
1983	Mar. 29	5,850	E	14.75	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02363000 Pea River near Arinton—Continued

Location—Lat 31°35'41", long 85°46'59", in SW 1/4 sec. 7, T. 7 N., R. 23 E., Dale County, Hydrologic Unit 03140202, on Highway 231, 3.5 mi west of Arinton and at mile 92.5.

Drainage area—498 mi².

Gage—Water-stage recorder. Datum of gage is 246.72 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1984	Mar. 8	3,700	E	11.27	
1985	Feb. 7	2,070	E	7.51	
1986	Mar. 14	10,700	E	18.04	
1987	Mar. 31	3,620		11.10	
1988	Mar. 5	3,050		9.38	
1989	Mar. 26	2,780		8.80	
1990	Mar. 17	47,700		24.87	
1991	Mar. 5	6,530		14.97	
1992	Jan. 16	7,430		15.82	
1993	Nov. 28	7,110		15.55	
1994	July 8	17,100		19.53	
1995	Mar. 3	5,170		13.11	
1996	Oct. 7	9,420		17.05	
1997	Feb. 17	5,670		13.89	
1998	Mar. 10	20,900		20.43	
1999	Oct. 1	5,880		14.67	
2000	Mar. 23	2,210		7.04	
2001	Mar. 5	17,800		19.70	
2002	Mar. 24	2,000		6.57	
2003	July 4	5,230		13.63	
2004	Jan. 28	3,970		11.14	
2005	Mar. 29	12,500		18.17	
2006	Mar. 10	3,260		9.51	
2007	Apr. 18	3,080		8.83	
2008	Aug. 26	9,510		17.08	
2009	Mar. 17	10,500		17.42	
2010	Dec. 15	16,200		18.96	
2011	Mar. 13	3,040		8.66	
2012	Feb. 23	1,520		5.16	
2013	Feb. 14	7,620		16.34	
2014	Apr. 9	10,800		17.90	
2015	Apr. 21	2,900		8.39	

02373500 Pigeon Creek near Thad

Location—Lat 31°28'36", long 86°39'30", in NE 1/4 sec. 21, T. 6 N., R. 14 E., Covington County, Hydrologic Unit 03140303, downstream from State Highway 55, 2 mi southeast of Thad, 5.5 mi southeast of McKenzie.

Drainage area—307 mi².

Gage—Water-stage recorder 1938–70. Datum of gage is 172.58 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1929	Mar.	24,000	2,7,B	30.00	
1938	Mar. 18	14,400		26.06	
1939	Aug. 18	12,600		25.31	
1940	Feb. 18	3,740		17.56	
1941	Dec. 20	2,180		14.62	
1942	Dec. 27	5,730		20.61	
1943	Mar. 23	13,400		25.20	
1944	Apr. 28	12,800		24.98	
1945	Apr. 28	1,570		12.67	
1946	Jan. 8	12,600		25.06	
1947	Apr. 5	4,220		18.46	
1948	Mar. 7	7,540		22.20	
1949	Nov. 29	17,100		27.10	
1950	July 29	1,110		10.13	
1951	Apr. 20	2,520		14.90	
1952	Mar. 25	3,320		16.60	
1953	May 4	2,430		14.68	
1954	Dec. 7	5,860		20.61	
1955	Apr. 14	3,500		17.34	
1956	Mar. 17	1,830		13.07	
1957	Apr. 7	5,930		20.70	
1958	Mar. 19	1,700	1	--	
1959	Mar. 30	3,670		17.60	
1960	Apr. 1	9,680		24.33	
1961	Feb. 27	17,700		27.27	
1962	Apr. 3	3,970		18.10	
1963	Jan. 23	3,720		17.69	
1964	Apr. 29	19,000		27.85	
1965	Jan. 25	8,500		23.10	
1966	Mar. 4	7,120		21.68	
1967	Sept. 13	8,300		22.87	
1968	Mar. 16	1,740		12.66	
1969	Sept. 22	2,190		14.30	
1970	June 6	7,200		22.19	
1990	Mar. 17	28,500	7	31.10	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02479431 Pond Creek Near Deer Park, Ala.

Location—Lat 31°09'39", long 88°21'43" referenced to North American Datum of 1927, Washington County, AL, Hydrologic Unit 03170008, near right bank on downstream side of bridge on County Road 9, 5 mi southwest of Deer Park, Alabama. (See attached map of site.)

Drainage area—20.4 mi².

Gage—Water-stage recorder. Datum of gage is 128.00 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1977	Mar. 4	1,400		11.64	
1978	June 8	3,020		18.09	
1979	Mar. 4	2,930		17.74	
1980	May 18	2,990		17.97	
1981	Feb. 10	2,530		16.18	
1982	Feb. 3	1,750		13.13	
1983	Apr. 7	3,780		21.00	
1984	Feb. 27	833		8.77	
1985	Sept. 23	1,720		13.01	
1986	Oct. 28	960		9.54	
1987	Nov. 24	643		7.53	
1988	Mar. 4	1,100		10.04	
1989	June 8	767		8.21	
1990	May 13	1,480		12.50	
1991	May 10	1,510		12.61	
1992	Apr. 21	913		9.40	
1993	Jan. 21	1,860		14.09	
1994	Oct. 30	640		7.39	
1995	Feb. 11	1,180		11.15	
1996	Dec. 19	2,880		17.68	
1997	Dec. 1	1,140		10.93	
1998	Sept. 28	3,210		18.72	
1999	Mar. 14	1,730		13.54	

02427300 Prairie Creek near Oak Hill

Location—Lat 31°55'37", long 87°06'21", in NW 1/4 sec. 18, T. 11 N., R. 10 E., Wilcox County, Hydrologic Unit 03150203, on State Highway 10, 1.4 mi west of Oak Hill and about 6 mi upstream from mouth.

Drainage area—10.3 mi².

Gage—Water-stage recorder 1960–70. Crest-stage gage 1971–74. Datum of gage is 220 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1960	May 7	1,320		12.32	
1961	Feb. 24	1,690		14.15	
1962	Dec. 12	748		9.12	
1963	Jan. 20	652		8.48	
1964	Apr. 27	854		9.07	
1965	July 29	1,210		11.43	
1966	Feb. 28	831		8.82	
1967	Oct. 15	1,700		14.19	
1968	Dec. 18	746		8.30	
1969	Mar. 23	819		8.82	
1970	Mar. 21	868		9.16	
1971	Mar. 25	1,040		10.30	
1972	Mar. 2	1,860		15.00	
1973	Mar. 31	1,480		13.08	
1974	Apr. 14	833		8.92	

02427875 Pursley Creek near Camden

Location—Lat 31°57'21", long 87°20'15", in SW 1/4 NE 1/4 sec. 2, T. 11 N., R. 7 E., Wilcox County, Hydrologic Unit 03150203, at bridge on State Highway 41, 1.2 mi northeast of Pebble Hill, 3.5 mi southwest of Camden.

Drainage area—64.3 mi².

Gage—Water-stage recorder. Datum of gage is 58.78 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1951	Mar. 29	3,200		13.50	
1953	Apr. 6	2,600		12.00	
1954	Dec. 4	630		5.82	
1955	Apr. 11	7,000		20.30	
1956	Mar. 16	3,050		13.30	
1957	Apr. 5	7,000		20.40	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02427875 Pursley Creek near Camden—Continued

Location—Lat 31°57'21", long 87°20'15", in SW 1/4 NE 1/4 sec. 2, T. 11 N., R. 7 E., Wilcox County, Hydrologic Unit 03150203, at bridge on State Highway 41, 1.2 mi northeast of Pebble Hill, 3.5 mi southwest of Camden.

Drainage area—64.3 mi².

Gage—Water-stage recorder. Datum of gage is 58.78 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1958	Mar. 7	5,400		17.70	
1959	June 11	3,700		14.80	
1960	Aug. 5	2,600		11.90	
1961	Mar. 31	11,400		25.90	
1962	Apr. 29	2,050		10.95	
1963	Jan. 20	2,390		11.80	
1964	Apr. 8	6,260		19.03	
1965	Jan. 23	4,050		15.56	
1966	Mar. 5	3,120		13.63	
1967	Feb. 7	2,590		12.30	
1968	Apr. 5	2,410		11.86	
1969	May 19	2,980		13.28	
1970	Mar. 22	3,070		13.49	

02364500 Pea River near Samson

Location—Lat 31°06'45", long 86°05'58", SW 1/4 sec. 25, T. 2 N., R. 19 E., Geneva County, Hydrologic Unit 03140202, on State Highway 52, 3 mi west of Samson, 6.5 mi upstream from Flat Creek, and at mile 29.8.

Drainage area—1,182 mi².

Gage—Water-stage recorder. Datum of gage is 97.95 ft NGVD 29. Prior to 1926, site at 1.5 mi upstream at different datum.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1905	Feb. 16	12,800	2	--	3
1906	Dec. 25	9,500	2	--	3
1907	Sept. 29	6,890	2	--	3
1908	Mar. 28	14,100	2	--	3
1909	Mar. 24	8,150	2	--	3
1910	Mar. 3	8,550	2	--	3
1911	Jan. 4	5,150	2	--	3
1912	Apr. 24	16,000	2	--	3
1913	Mar. 16	23,500	2	--	3

02364500 Pea River near Samson—Continued

Location—Lat 31°06'45", long 86°05'58", SW 1/4 sec. 25, T. 2 N., R. 19 E., Geneva County, Hydrologic Unit 03140202, on State Highway 52, 3 mi west of Samson, 6.5 mi upstream from Flat Creek, and at mile 29.8.

Drainage area—1,182 mi².

Gage—Water-stage recorder. Datum of gage is 97.95 ft NGVD 29. Prior to 1926, site at 1.5 mi upstream at different datum.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1923	Mar. 20	12,200	2	--	3
1924	Jan. 25	9,100	2	--	3
1925	Jan. 20	30,000		42.00	3
1929	Mar. 15	58,000	7	45.30	
1936	Jan. 22	27,800		37.20	
1937	Apr. 7	23,400		35.86	
1938	Mar. 18	23,300		35.83	
1939	Mar. 2	14,200		28.80	
1940	Feb. 19	9,120		22.75	
1941	Dec. 28	4,170		13.55	
1942	Apr. 11	7,460		20.24	
1943	Jan. 21	19,200		33.22	
1944	Mar. 26	19,500		33.40	
1945	Apr. 30	5,920		17.40	
1946	May 22	16,000		30.50	
1947	Apr. 6	12,900		26.70	
1948	Mar. 8	15,300		29.60	
1949	Dec. 1	15,700		29.90	
1950	Sept. 2	7,100		19.50	
1951	Mar. 30	7,100		19.50	
1952	Mar. 28	10,600		24.70	
1953	Sept. 28	14,700		29.10	
1954	Dec. 5	18,100		31.73	
1955	Apr. 15	14,700		29.10	
1956	Sept. 27	12,700		27.25	
1957	Apr. 7	18,500		32.00	
1958	Mar. 10	7,160		19.60	
1959	Feb. 5	9,090		22.70	
1960	Apr. 6	27,900		37.71	
1961	Apr. 15	12,400		27.35	
1962	Apr. 2	11,300		26.65	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02364500 Pea River near Samson—Continued

Location—Lat 31°06'45", long 86°05'58", SW 1/4 sec. 25, T. 2 N., R. 19 E., Geneva County, Hydrologic Unit 03140202, on State Highway 52, 3 mi west of Samson, 6.5 mi upstream from Flat Creek, and at mile 29.8.

Drainage area—1,182 mi².

Gage—Water-stage recorder. Datum of gage is 97.95 ft NGVD 29. Prior to 1926, site at 1.5 mi upstream at different datum.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1963	Jan. 22	9,170		22.82	
1964	Mar. 5	10,700		25.00	
1965	Dec. 30	9,750		23.64	
1966	Mar. 6	14,500		29.52	
1967	Jan. 3	10,900		25.91	
1968	Mar. 13	6,860		19.77	
1969	May 19	7,740		20.57	
1970	June 5	15,700		30.72	
1975	Feb. 21	30,800	7	38.06	
2003	Apr. 9	9,530		23.90	
2004	Sept. 18	12,400		27.32	
2005	Apr. 2	17,000		31.51	
2006	Mar. 11	6,440		19.12	
2007	Apr. 16	7,970		21.56	
2008	Feb. 2	9,010		22.59	
2009	Mar. 29	15,500		30.52	
2010	Dec. 16	26,000		37.83	
2011	Mar. 10	4,580		15.96	
2012	Sept. 5	11,800		26.09	
2013	Feb. 27	10,700		24.88	
2014	Apr. 9	15,300		29.48	
2015	Apr. 19	6,920		19.96	
2016	Dec. 27	45,800		42.02	

02373000 Sepulga River near Mckenzie

Location—Lat 31°27'13", long 86°47'13", in SE 1/4 sec. 30, T. 6 N., R. 13 E., Conecuh County, Hydrologic Unit 03140303, on U.S. Highway 31, 2.5 mi upstream from Piney Woods Creek, 5.5 mi downstream from Persimmon Creek, and 7 mi southwest of McKenzie.

Drainage area—470 mi².

Gage—Water-stage recorder. Datum of gage is 155.96 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1929	Mar	60,000	2,7,B	33.00	5
1938	Mar. 17	23,000		24.50	
1939	Aug. 18	13,400		19.48	
1940	Feb. 20	9,000		16.00	
1941	Mar. 9	4,210		9.43	
1942	Dec. 26	7,100		13.46	
1943	Mar. 23	19,100		21.82	
1944	Mar. 31	20,100		22.33	
1945	May 1	3,040		8.11	
1946	Jan. 8	19,400		21.91	
1947	Apr. 4	9,470		16.54	
1948	Mar. 8	13,300		19.20	
1949	Nov. 28	21,200		23.60	
1950	July 30	2,950		7.70	
1951	Apr. 21	6,920		12.90	
1952	Mar. 25	5,880		11.60	
1953	May 5	3,370		8.29	
1954	Dec. 8	7,940		14.06	
1955	Apr. 16	9,550		15.86	
1956	Sept. 25	5,320		10.89	
1957	Apr. 7	14,000		19.80	
1958	Mar. 10	3,250		8.23	
1959	Feb. 7	3,760		8.77	
1960	Apr. 1	15,200		20.94	
1961	Feb. 26	23,300		24.70	
1962	Apr. 2	10,600		17.18	
1963	Jan. 23	5,750		11.60	
1964	Apr. 29	22,200		24.32	
1965	Jan. 25	16,100		21.45	
1966	Mar. 5	10,100		16.67	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02373000 Sepulga River near Mckenzie—Continued

Location—Lat 31°27'13", long 86°47'13", in SE 1/4 sec. 30, T. 6 N., R. 13 E., Conecuh County, Hydrologic Unit 03140303, on U.S. Highway 31, 2.5 mi upstream from Piney Woods Creek, 5.5 mi downstream from Persimmon Creek, and 7 mi southwest of McKenzie.

Drainage area—470 mi².

Gage—Water-stage recorder. Datum of gage is 155.96 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1967	Sept. 14	8,700		15.22	
1968	Nov. 2	2,800		7.55	
1969	Mar. 26	4,660		10.05	
1970	June 5	14,500		20.40	
1975	Feb. 19	18,500		22.80	
1976	Jan. 2	11,600		17.96	
1977	Mar. 15	6,741		12.53	
1978	Jan. 27	16,300		21.62	
1979	Mar. 6	14,400		20.34	
1980	Apr. 15	13,600		18.68	
1981	Feb. 13	8,280		13.14	
1982	Feb. 5	12,700		17.77	
1983	Apr. 10	9,990		16.33	
1984	May 3	5,940		11.12	
1985	Feb. 7	5,020		9.90	
1986	Mar. 16	5,260		10.22	
1987	Mar. 2	3,860		8.55	
1988	Mar. 6	4,780		9.67	
1989	Apr. 12	6,930		12.44	
1990	Mar. 18	29,100		26.28	
1991	Mar. 5	7,010		12.55	
1992	Feb. 19	5,900		11.08	
1993	Dec. 19	11,500		18.15	

02373000 Sepulga River near Mckenzie—Continued

Location—Lat 31°27'13", long 86°47'13", in SE 1/4 sec. 30, T. 6 N., R. 13 E., Conecuh County, Hydrologic Unit 03140303, on U.S. Highway 31, 2.5 mi upstream from Piney Woods Creek, 5.5 mi downstream from Persimmon Creek, and 7 mi southwest of McKenzie.

Drainage area—470 mi².

Gage—Water-stage recorder. Datum of gage is 155.96 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1994	July 10	12,000		18.62	
1995	Mar. 10	6,580		11.97	
1996	Mar. 30	8,500		14.51	
1997	May 30	6,210		11.48	
1998	Mar. 10	21,200		24.00	
1999	Oct. 1	32,800		27.19	
2000	Mar. 21	1,590		6.11	
2001	Mar. 5	27,000		25.73	
2002	Feb. 23	6,670		12.09	
2003	July 3	9,440		15.69	
2004	Sept. 19	6,560		11.96	
2005	Apr. 3	11,900		18.52	
2006	Feb. 28	3,520		8.28	
2007	Mar. 3	2,890		7.41	
2008	Aug. 27	3,100		7.76	
2009	Mar. 30	11,700		18.35	
2010	Dec. 16	21,400		24.09	
2011	Mar. 12	4,160		9.08	
2012	Sept. 7	4,620		9.66	
2013	Feb. 14	9,280		15.51	
2014	Apr. 9	15,600		22.12	
2015	Apr. 19	5,870		10.70	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02342933 South Fork Cowikee Creek near Batesville

Location—Lat 32°01'03", long 85°17'45", in SE 1/4 sec. 14, T. 12

N., R. 27 E., Barbour County, Hydrologic Unit 03130003, on county road, 1.2 mi northeast of Batesville, 11.2 mi northwest of Eufaula, and 13.0 mi upstream from mouth.

Drainage area—112 mi².

Gage—Water-stage recorder. Datum of gage is 200 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1964	May 2	5,640		14.86	
1965	Oct. 5	7,040		19.13	
1966	Feb. 13	6,040		15.85	
1967	Jan. 1	5,060		13.40	
1968	Mar. 12	6,810		18.37	
1969	Apr. 18	4,600		12.45	
1970	Mar. 30	5,220		13.79	
1971	Mar. 3	6,750		18.18	
1972	Mar. 2	5,270		13.92	
1973	Mar. 31	12,200		27.40	
1974	Feb. 8	3,370		10.12	
1975	Feb. 17	18,100		37.08	
1976	Oct. 17	8,650		24.58	
1977	Mar. 22	3,510		14.19	
1978	Jan. 25	10,900		28.03	
1979	Apr. 4	4,730		17.26	
1980	Mar. 30	5,270		18.34	
1981	Feb. 10	5,800		19.40	
1982	Feb. 3	4,530		16.82	
1983	Mar. 6	4,680		17.15	
1984	Mar. 5	2,000		10.01	
1985	June 18	1,820	E	9.39	
1986	Mar. 13	7,550		22.79	
1987	Feb. 28	2,510		11.17	

02342933 South Fork Cowikee Creek near Batesville—Continued

Location—Lat 32°01'03", long 85°17'45", in SE 1/4 sec. 14, T. 12

N., R. 27 E., Barbour County, Hydrologic Unit 03130003, on county road, 1.2 mi northeast of Batesville, 11.2 mi northwest of Eufaula, and 13.0 mi upstream from mouth.

Drainage area—112 mi².

Gage—Water-stage recorder. Datum of gage is 200 ft NGVD 29 (from topographic map).

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1988	Mar. 4	2,340		10.68	
1989	May 1	3,270		13.33	
1990	Mar. 17	28,200		43.40	
1991	Mar. 2	3,820		16.15	
1992	Jan. 13	4,080		16.61	
1993	Dec. 17	5,490		19.40	
1994	July 4	13,100		31.17	
1995	Feb. 28	5,210		18.09	
1996	Feb. 2	5,820		19.32	
1997	Feb. 15	4,950		17.53	
1998	Mar. 8	9,190		25.48	
1999	Mar. 14	6,520		20.70	
2000	Mar. 20	3,210		13.66	
2001	Mar. 4	9,740		26.05	
2002	Nov. 25	4,880		17.37	
2003	July 1	5,200		18.02	
2004	Jan. 26	7,240		21.85	
2005	Mar. 27	9,160		25.11	
2006	Feb. 25	3,760		14.93	
2007	Apr. 15	5,110		17.83	
2008	Aug. 24	5,460		18.54	
2009	Mar. 28	8,520		24.05	
2010	Dec. 15	11,900		29.43	
2011	Mar. 9	4,400		16.37	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02343700 Stevenson Creek near Headland

Location—Lat 31°21'18", long 85°11'05", in SE 1/4 sec. 36, T. 5 N., R. 28 E., Henry County, Hydrologic Unit 03130004, on State Highway 134, 1 mi upstream from mouth, and 9.5 mi east of Headland.

Drainage area—14.0 mi².

Gage—Water-stage recorder 1960–65. Crest-stage gage 1966–74. Datum of gage is 150.39 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1960	Apr. 4	728		7.92	
1961	Apr. 15	1,070		9.13	
1962	Jan. 6	3,120		12.01	
1963	Feb. 11	978		8.53	
1964	Mar. 2	2,200		9.90	
1965	Apr. 19	2,530		10.31	
1966	Feb. 28	872		7.02	
1967	Dec. 31	396		4.58	
1968	Dec. 10	784		6.68	
1969	Mar. 18	633		6.00	
1970	Dec. 25	458		4.97	
1971	Mar. 26	1,500		8.47	
1972	May 8	649		6.08	
1973	June 7	1,420		8.57	
1974	Jan. 2	2,180		9.87	

02377570 Styx River near Elsanor, Ala.

Location—Lat 30°36'20", long 87°32'50" referenced to North American Datum of 1927, Baldwin County, Ala., Hydrologic Unit 03140106, near left bank on downstream side of bridge on County Road 87, 0.2 mi downstream of Cowpen Creek, 5 mi northeast of Elsanor, and 11.4 mi upstream of mouth.

Drainage area—192 mi².

Gage—Water-stage recorder. Elevation of gage is 20 ft above NGVD of 1929, from topographic map.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1988	Sept. 17	4,700		13.18	
1989	June 9	17,500		20.18	
1990	Mar. 17	17,200		20.07	
1991	Jan. 31	4,060		12.56	
1992	Jan. 14	9,670		16.61	
1993	Mar. 31	5,750	E	14.05	
1994	July 8	7,690		15.40	
1995	May 11	10,300		16.97	
1996	Oct. 5	18,500		20.50	
1997	July 21	15,900		19.82	
1998	Sept. 29	48,000		28.60	
1999	June 28	2,200	2	9.00	5
2000	Oct. 11	1,750		7.73	
2001	Mar. 15	3,610		12.01	
2002	Sept. 27	10,400		17.38	
2003	July 2	12,000		18.26	
2004	Feb. 27	3,650		11.93	
2005	Apr. 1	14,900		19.59	
2006	Sept. 13	1,170		5.76	
2007	Nov. 17	1,590		7.20	
2008	Nov. 17	1,590		7.20	
2009	Mar. 29	13,900		19.51	
2010	Jan. 22	10,100		17.69	
2011	Sept. 5	3,430		12.49	
2012	June 13	3,310		12.79	
2013	July 12	3,580		13.09	
2014	Apr. 30	17,300		20.87	
2015	Apr. 16	3,670		13.19	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02377500 Styx River near Loxley

Location—Lat 30°39'50", long 87°38'20", in SE 1/4 sec. 26, T. 4 S., R. 4 E., Baldwin County, Hydrologic Unit 03140106, on county road, 2 mi upstream from Hollinger Creek, and 7 mi northeast of Loxley.

Drainage area—92.2 mi².

Gage—Water-stage recorder 1952–69, 1971. Crest-stage gage 1973–77. Datum of gage is 39 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1926	Sept.	27,500	2,7,B	22.20	
1952	Sept. 19	1,730		7.50	
1953	Apr. 12	1,790		7.85	
1954	Dec. 6	14,000		19.73	
1955	Apr. 14	2,520		10.57	
1956	Mar. 12	1,900		8.09	
1957	Apr. 5	7,430		17.50	
1958	Mar. 6	1,920		8.25	
1959	Sept. 13	3,110		11.80	
1960	Apr. 4	3,780		13.31	
1961	June 20	4,590		14.74	
1962	Apr. 1	4,000		13.75	
1963	Jan. 21	1,510		6.48	
1964	Apr. 27	7,820		17.91	
1965	Aug. 9	1,430		5.92	
1966	Oct. 1	5,370		16.19	
1967	Sept. 7	3,160		12.54	
1968	Dec. 12	830		4.15	
1969	Aug. 19	4,320		14.82	
1971	Sept. 6	1,500	1	--	
1973	Mar. 31	3,220		12.70	
1974	Feb. 8	3,620		13.59	
1975	Aug. 1	19,000		20.81	
1976	Nov. 9	3,130		12.43	
1977	Mar. 31	1,920		7.68	
1989	June 9	27,000	2,7	22.09	

02342500 Uchee Creek near Fort Mitchell

Location—Lat 32°19'00", long 85°00'54", in SW 114/ sec. 3, T. 15 N., R. 30 E., Russell County, Hydrologic Unit 03130003, on State Highway 165, 2 mi south of Fort Mitchell, 4.8 mi downstream from Little Uchee Creek, and 5.3 mi upstream from mouth.

Drainage area—322 mi².

Gage—Water-stage recorder. Datum of gage is 201.76 ft NGVD 29. Prior to Sept. 1, 1953, at site 1,000 ft upstream at same datum, and Sept. 1, 1953 to Aug. 15, 1965, at present site at same datum, and Aug. 15, 1965 to Nov. 15, 1990, at site 120 ft upstream at same datum.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1947	Apr. 3	10,300		14.73	
1948	July 11	13,000		17.31	
1949	Nov. 27	25,000		23.20	
1950	Mar. 7	4,270		7.90	
1951	Apr. 23	1,860		4.95	
1952	Mar. 25	11,900		16.35	
1953	May 1	9,290		13.65	
1954	Dec. 5	9,740		12.40	
1955	July 12	5,310		7.50	
1956	Mar. 17	4,680		7.54	
1957	Apr. 6	11,600		15.10	
1958	Mar. 8	21,100		22.00	
1959	Mar. 6	3,200	1	--	
1960	Apr. 3	9,400		12.50	
1961	Feb. 25	14,800		17.36	
1962	Apr. 13	7,430		10.43	
1963	Jan. 21	4,800	1	--	
1964	Apr. 9	55,100		26.45	
1965	Oct. 6	10,200		13.28	
1966	Mar. 4	16,500		18.73	
1967	Jan. 2	4,720		7.22	
1968	Mar. 13	8,910		12.11	
1969	Apr. 19	11,200		14.24	
1970	Mar. 21	5,660		8.39	
1971	Mar. 4	13,500		16.26	
1972	Jan. 13	3,480		5.84	
1973	Dec. 22	11,200		14.30	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02342500 Uchee Creek near Fort Mitchell—Continued

Location—Lat 32°19'00", long 85°00'54", in SW 114/ sec. 3, T. 15 N., R. 30 E., Russell County, Hydrologic Unit 03130003, on State Highway 165, 2 mi south of Fort Mitchell, 4.8 mi downstream from Little Uchee Creek, and 5.3 mi upstream from mouth.

Drainage area—322 mi².

Gage—Water-stage recorder. Datum of gage is 201.76 ft NGVD 29. Prior to Sept. 1, 1953, at site 1,000 ft upstream at same datum, and Sept. 1, 1953 to Aug. 15, 1965, at present site at same datum, and Aug. 15, 1965 to Nov. 15, 1990, at site 120 ft upstream at same datum.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1974	Apr. 5	4,430		6.90	
1975	Apr. 15	10,100		13.25	
1976	Apr. 1	9,380		12.48	
1977	Oct. 8	8,630		11.66	
1978	Jan. 26	15,700		18.01	
1979	Apr. 5	12,800		15.71	
1980	Apr. 14	7,350		10.28	
1981	Apr. 2	18,500		20.26	
1982	Feb. 4	8,910		12.01	
1983	Mar. 6	9,850		12.95	
1984	Mar. 26	5,530		8.23	
1985	Feb. 7	4,510		7.03	
1986	Mar. 19	6,200		8.98	
1987	Feb. 28	8,430		11.49	
1988	Feb. 3	4,580		7.08	
1989	July 4	9,750		12.86	
1990	Mar. 17	24,900		23.18	
1991	Mar. 30	12,500		15.40	
1992	Jan. 14	6,720		9.88	
1993	Nov. 26	26,900		23.64	
1994	July 8	25,600		23.35	

02342500 Uchee Creek near Fort Mitchell—Continued

Location—Lat 32°19'00", long 85°00'54", in SW 114/ sec. 3, T. 15 N., R. 30 E., Russell County, Hydrologic Unit 03130003, on State Highway 165, 2 mi south of Fort Mitchell, 4.8 mi downstream from Little Uchee Creek, and 5.3 mi upstream from mouth.

Drainage area—322 mi².

Gage—Water-stage recorder. Datum of gage is 201.76 ft NGVD 29. Prior to Sept. 1, 1953, at site 1,000 ft upstream at same datum, and Sept. 1, 1953 to Aug. 15, 1965, at present site at same datum, and Aug. 15, 1965 to Nov. 15, 1990, at site 120 ft upstream at same datum.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1995	Feb. 18	6,180		9.37	
1996	Oct. 5	9,640		12.75	
1997	Apr. 28	9,970		13.08	
1998	Mar. 9	18,200		19.95	
1999	Feb. 1	3,620		6.67	
2000	Mar. 20	4,730		7.92	
2001	Mar. 4	15,200		17.65	
2002	Feb. 7	1,600		3.91	
2003	July 2	8,270		11.32	
2004	Sept. 17	3,650		6.71	
2005	Mar. 28	15,000		17.53	
2006	Feb. 26	5,030		8.24	
2007	Mar. 2	6,460		9.64	
2008	Aug. 24	2,530		5.77	
2009	Mar. 29	12,800		16.36	
2010	Nov. 11	18,600		19.95	
2011	Feb. 5	2,990		6.44	
2012	Feb. 19	3,020		6.48	
2013	Feb. 13	10,100		14.23	
2014	Apr. 8	11,600		17.34	
2015	Apr. 19	3,820		8.60	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02342150 Uchee Creek near Seale

Location—Lat 32°21'16", long 85°05'44", in NE 1/4 sec. 26, T. 16 N., R. 29 E., Russell County, Hydrologic Unit 03130003, at bridge on U.S. Highway 431, 6 mi northeast of Seale.

Drainage area—162 mi².

Gage—Crest-stage gage. Datum of gage is 275 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1951	Mar. 20	761		5.92	
1952	Mar. 25	5,590		10.90	
1953	May 1	4,340		10.40	
1954	Dec. 5	4,340		10.40	
1955	July 12	3,450		9.90	
1956	Mar. 17	2,000		9.00	
1957	Apr. 5	6,140		11.10	
1958	Mar. 8	14,100		13.10	
1959	June 2	3,450		9.90	
1960	Apr. 3	5,340		10.80	
1961	Feb. 25	6,740		11.29	
1962	Feb. 23	3,480		9.93	
1963	Mar. 6	2,300		9.20	
1964	Apr. 9	19,500		14.06	
1965	Oct. 6	6,020		11.06	
1966	Mar. 3	7,860		11.65	
1967	Jan. 2	2,600		9.39	
1968	Mar. 12	3,220		9.85	
1969	Apr. 19	12,000		12.69	
1970	Mar. 21	753		5.88	

02419000 Uphapee Creek near Tuskegee

Location—Lat 32°28'36", long 85°41'42", in NE 1/4 sec. 12, T. 17 N., R. 23 E., Macon County, Hydrologic Unit 03150110, on State Highway 81, 1 mi upstream from Red Creek, and 4 mi north of Tuskegee.

Drainage area—333 mi².

Gage—Water-stage recorder. Datum of gage is 223.65 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1929	--	37,000	2,7,B	30.00	5
1940	July 4	7,300		15.30	
1941	Aug. 14	7,900		15.80	
1942	Mar. 22	13,300		20.67	
1943	Mar. 21	29,600		27.33	
1944	Apr. 27	26,500		26.20	
1945	Feb. 21	8,800		16.96	
1946	Jan. 7	15,200		21.89	
1947	Apr. 3	7,620		15.60	
1948	July 11	8,400		16.50	
1949	Nov. 27	29,600		27.30	
1950	Mar. 7	2,950		9.58	
1951	Mar. 20	1,430		6.47	
1952	Mar. 25	9,800		18.00	
1953	May 5	8,390		16.30	
1954	Dec. 5	12,400		20.40	
1955	Apr. 15	4,740		12.17	
1956	Mar. 17	5,890		13.64	
1957	Apr. 6	11,100		19.10	
1958	Mar. 8	20,400		23.70	
1959	Mar. 7	2,930		9.70	
1960	Apr. 4	7,250		15.06	
1961	Feb. 25	25,500		25.82	
1962	Apr. 1	6,700		14.53	
1963	Jan. 21	6,340		14.12	
1964	Apr. 9	32,200		28.18	
1965	Mar. 19	6,030		13.39	
1966	Mar. 4	12,500		20.14	
1967	Jan. 3	3,080		9.72	
1968	Mar. 13	6,620		14.42	
1969	Apr. 19	6,650		14.46	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different datum or at different site and datum; 5, gage height is an estimate]

02419000 Uphapee Creek near Tuskegee—Continued

Location—Lat 32°28'36", long 85°41'42", in NE 1/4 sec. 12, T. 17 N., R. 23 E., Macon County, Hydrologic Unit 03150110, on State Highway 81, 1 mi upstream from Red Creek, and 4 mi north of Tuskegee.

Drainage area—333 mi².

Gage—Water-stage recorder. Datum of gage is 223.65 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1970	Mar. 21	11,500		19.13	
1971	Mar. 3	13,400		21.02	
1972	Mar. 3	3,650		10.75	
1973	Apr. 1	11,000		18.98	
1974	Jan. 31	3,200		9.97	
1975	Apr. 15	10,600		18.65	
1976	May 16	9,050		17.00	
1977	Mar. 31	7,480		15.35	
1978	Jan. 26	14,700		21.63	
1979	Apr. 5	12,000		20.01	
1980	Mar. 30	8,225		16.26	
1981	Apr. 2	16,000		22.23	
1982	Feb. 4	9,330		17.29	
1983	Mar. 7	9,630		17.61	
1984	Mar. 26	5,480		13.13	
1985	July 29	3,230	E	10.06	
1986	Mar. 20	7,500		15.39	
1987	Mar. 1	6,680		14.49	
1988	Feb. 5	4,130		11.37	
1989	June 16	8,870		16.10	
1990	Mar. 17	28,400		26.87	
1991	Mar. 30	11,700		18.68	
1992	Jan. 14	6,760		14.03	

02419000 Uphapee Creek near Tuskegee—Continued

Location—Lat 32°28'36", long 85°41'42", in NE 1/4 sec. 12, T. 17 N., R. 23 E., Macon County, Hydrologic Unit 03150110, on State Highway 81, 1 mi upstream from Red Creek, and 4 mi north of Tuskegee.

Drainage area—333 mi².

Gage—Water-stage recorder. Datum of gage is 223.65 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1993	Nov. 26	22,400		24.50	
1994	July 8	23,200		24.83	
1995	Feb. 18	6,240		12.94	
1996	Mar. 7	10,600		17.60	
1997	Apr. 29	7,810		14.79	
1998	Mar. 9	21,500		24.07	
1999	Mar. 15	3,930		9.93	
2000	Mar. 21	2,580		7.83	
2001	Mar. 5	15,600		21.21	
2002	Apr. 14	1,930		6.84	
2003	July 2	7,460		14.39	
2005	Mar. 28	17,600		22.23	
2006	Feb. 26	4,970		11.33	
2007	Mar. 3	5,270		11.71	
2008	Apr. 6	1,600		6.27	
2009	Mar. 29	8,100		15.11	
2010	Nov. 11	13,700		20.12	
2011	Mar. 11	1,710		6.47	
2012	Feb. 20	2,450		7.65	
2013	Feb. 13	9,050		16.10	
2014	Apr. 7	12,900		19.64	
2015	May 30	5,470		11.96	

Appendix 2. Discharge and gage height data for streamgages in Alabama.—Continued

[--, date or data not available; ft, foot; ft³/s, cubic foot per second; mi, mile; mi², square mile; qualification codes apply to the discharge data: 1, discharge is a maximum daily average; 2, discharge is an estimate; 4, discharge is less than indicated value, which is the minimum recordable discharge at this site; 5, discharge affected to unknown degree by regulation or diversion; 6, discharge affected by regulation or diversion; 7, discharge is a historic peak; A, year of occurrence is unknown or not exact; B, month or day of occurrence is unknown or not exact; E, only maximum peak available for this year. qualification codes apply to the gage height data: 1, gage height affected by backwater; 2, gage height not the maximum for the year; 3, gage height at different data or at different site and datum; 5, gage height is an estimate]

02360000 West Fork Choctawhatchee River at Blue Springs

Location—Lat 31°39'49" long 87°30'18", in SE 1/4 sec. 14, T. 8 N., R. 25 E., Barbour County, Hydrologic Unit 03140201, on State Highway 10 at Blue Springs, 4 mi downstream from Lindsey Creek.

Drainage area—86.8 mi².

Gage—Water-stage recorder 1944–53. Crest-stage gage 1954–71. Datum of gage is 289.24 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1944	Mar. 29	4,820		9.10	
1945	Mar. 21	470		4.68	
1946	Mar. 28	3,310		7.92	
1947	June 23	2,280		6.98	
1948	Mar. 7	1,660		6.33	
1949	Nov. 27	2,550		7.33	
1950	Apr. 5	586		4.90	
1951	Mar. 30	970		5.48	
1952	Mar. 24	1,900		6.72	
1953	Apr. 10	3,730		8.27	
1954	Dec. 4	2,850		7.60	
1955	Feb. 7	2,510		7.30	
1956	Sept. 26	9,200		11.50	
1957	Apr. 6	7,100		10.30	
1958	Mar. 2	630		5.20	

02360000 West Fork Choctawhatchee River at Blue Springs—Continued

Location—Lat 31°39'49" long 87°30'18", in SE 1/4 sec. 14, T. 8 N., R. 25 E., Barbour County, Hydrologic Unit 03140201, on State Highway 10 at Blue Springs, 4 mi downstream from Lindsey Creek.

Drainage area—86.8 mi².

Gage—Water-stage recorder 1944–53. Crest-stage gage 1954–71. Datum of gage is 289.24 ft NGVD 29.

Water year	Date	Discharge	Discharge code	Gage height (feet)	Gage height code
1959	Feb. 5	1,090		5.80	
1960	Apr. 4	3,470		8.10	
1961	Apr. 15	1,470		6.24	
1962	Apr. 1	1,460		6.23	
1963	Jan. 21	1,900		6.70	
1964	Mar. 3	1,110		5.82	
1965	Oct. 5	2,000		6.80	
1966	Mar. 4	2,140		6.94	
1967	Jan. 3	3,330		7.99	
1968	Nov. 1	1,320		6.08	
1969	Mar. 24	930		5.60	
1970	Mar. 31	2,580		7.36	
1971	Mar. 26	2,490		7.28	
1990	Mar. 17	25,000	7	17.32	
1994	July 6	6,800	7	10.20	

For more information about this publication, contact
 Director, Lower Mississippi-Gulf Water Science Center
 U.S. Geological Survey
 640 Grassmere Park, Suite 100
 Nashville, TN 37211

For additional information, visit
<https://www.usgs.gov/centers/lmg-water/>

Publishing support provided by
 Lafayette Publishing Service Center

