FLOODS IN GEORGIA, MAGNITUDE AND FREQUENCY

Techniques for Estimating the Magnitude and Frequency of Floods in Georgia with Compilation of Flood Data Through 1974

U. S. GEOLOGICAL SURVEY

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FACTORS FOR CONVERTING INCH-POUND SYSTEM

TO INTERNATIONAL SYSTEM (SI) UNITS

Inch-pound units	Multiply by	To obtain SI units
inches (in.)	25.4	millimeters (mm)
feet (ft)	.3048	meters (m)
miles (mi)	1.609	kilometers (km)
feet per mile (ft/mi)	.1894	meters per kilometer (m/km)
square miles (mi^2)	2.590	square kilometers (km^2)
cubic feet per second (ft^3/s)	.02832	cubic meters per second (m^3/s)
cubic feet per second per square mile ($ft^3/s/mi^2$)	.0109	cubic meters per second per square kilometer ($m^3/s/km^2$)
acre-feet	1,233.5	cubic meters (m^3)

FLOODS IN GEORGIA, MAGNITUDE AND FREQUENCY

By McGlone Price

ABSTRACT

Techniques are presented for estimating the magnitude and frequency of floods having recurrence intervals of 2, 5, 10, 25, 50, and 100 years on streams with natural flow in Georgia. Multiple-regression analyses were used to define the relation between flood-discharge frequency for streams draining from 0.1 to 1,000 square miles and 10 climatological and physical basin characteristics. The analyses indicate that the drainage area of the basin is the most significant characteristic. Five regions having distinct flood-discharge frequency characteristics are delineated.

Data from 308 gaging stations with 10 or more years of record through September 30, 1974, were used in the analyses. The flood frequency of annual peak discharges at each gaging station was computed by fitting gaging station annual peak data to a log-Pearson Type III distribution.

Individual relations of flood magnitude and frequency to drainage area are given for parts of the main stems of the major rivers without significant regulation draining more than 1,000 square miles. A brief section is included for most of the major regulated streams giving sources of regulation.

Graphical relations of maximum floods of record to drainage area at gaging stations in Georgia are shown for each of the five regions delineated and for major rivers draining more than 1,000 square miles to provide an indication of maximum probable floods.

A method is described for estimating the magnitude and frequency of peak discharge on streams for urban areas based on previous studies in other parts of the United States and on the natural flood-frequency and rainfall characteristics of the local area.

A compilation of flood records at all gaging stations in Georgia and some selected sites in adjacent States is given in tables in the section, "Flood Data of Gaging Stations." Log-Pearson Type III frequency data and statistics are given for most stations.

INTRODUCTION

Knowledge of the magnitude and probable frequency of floods is essential for the proper design of highway bridges, culverts, embankments, dams, levees, and other structures near streams. Flood-plain management and flood insurance rates are based on the best available information on flood magnitude and frequency.

This report provides methods of estimating the magnitude of floods for streams in Georgia having recurrence intervals ranging from 2 to 100 years. This report is based on annual flood peak data available through the 1974 water year (year ending September 30). Since the last general statewide flood-frequency report, 13 years of additional data plus many additional gaging station records, especially on streams draining less than 50 mi^2, have become available. The log-Pearson Type III distribution with a regional skew is used for frequency analyses of gaging-station annual peak data. Equations were developed by the multiple-regression technique for streams having drainage areas between 0.1 and 1,000 mi^2. These equations were based on flood records collected through September 1974 at 262 sites in Georgia and 46 sites in adjacent States. The records for all available sites with at least 10 years of annual peak-discharge record and free of significant regulation or urbanization were used in developing these equations. Individual analyses are provided for the major streams draining more than 1,000 mi^2. The methods developed for calculating the magnitude and frequency of floods do not apply to urban areas or to streams significantly affected by regulation by manmade controls, except for some of the larger streams where the effects of regulation can be evaluated within the scope of this report.

A method is described for estimating the magnitude and frequency of peak discharges on streams for urban areas based on previous studies in other parts of the United States and on the natural flood-frequency and rainfall characteristics of the local area.

The report lists and compares maximum floods of record, along with drainage-basin size, to demonstrate maximum known floods. Gaging-station data are given in tables in the section, "Flood Data at Gaging Stations."

Previous Studies

The first two flood-frequency reports for Georgia streams, Carter (1951) and Bunch and Price (1962), are based on the index-flood method described by Dalrymple (1960). The third and fourth reports, Speer and Gamble (1964a, 1964b) and Barnes and Golden (1966), covered several States and most of the Georgia data used were abstracted from the Bunch and Price (1962) report. The fifth report, Golden and Price (1976), used basically the same methodology as this report, but was limited to streams with drainage areas of less than 20 mi^2.

Cooperation

This report was prepared as part of a program of water-resources investigations, under the provisions of a cooperative agreement between the Highway Division, Department of Transportation, State of Georgia, and the U.S. Geological Survey. It is based on data collected and published by the U.S. Geological Survey for many years as part of cooperative programs with various

State and Federal agencies, principally the Georgia Department of Transportation, Georgia Department of Natural Resources, U.S. Army Corps of Engineers and Tennessee Valley Authority. Most of the small-streams data used in this report were collected through a special project with the Georgia Department of Transportation and the Federal Highway Administration

FLOOD RECORDS

The flood records used in this report were collected mainly by the U.S. Geological Survey, in cooperation with State and other Federal agencies. A systematic collection of streamflow records began in Georgia in the late 1920's. Many continuous-record streamflow stations were installed from the late 1920's to 1940 to define the flow characteristics of streams. For many of the larger streams, records began in the period 1890 to 1910, but in many instances, consisted only of stream stages.

Carter (1951) studied the records of all floods that occurred in Georgia prior to October 1949. His study indicated a lack of available flood data for drainage areas less than 300 mi^2, especially in southern Georgia. As a result of his study, many crest-stage gages were established in 1950-51 to collect flood data in those areas where it was indicated additional geographic coverage was needed.

A small-streams flood-frequency program began in October 1963 for the purpose of defining the magnitude and frequency of floods on streams with drainage areas less than 20 mi^2. More than 100 small-stream gages were established throughout the State for the collection of flood data. A number of these sites have since been discontinued because sufficient data have been collected, but data are still being collected at 23 of the original sites. Another 15 small-stream gages were added in 1976 for better geographical coverage.

A summary of the drainage area size, distribution, number of stations, and average length of record for each hydrologic region is shown in table 1.

A desirable distribution of stations to drainage area size would be skewed because there are many small basins in comparison to larger basins within any reasonably large geographic area. The distribution of stations for Regions 1, 2, and 3 is fairly uniform, except for the lack of stations on drainage areas less than 10 mi^2. There is a need for additional stations throughout the range of drainage areas for both Regions 4 and 5. After preliminary analysis of the station flood data, 15 crest-stage stations were established in 1976, most of which were on drainage basins having areas of less than 1 mi^2. Several crest-stage stations were discontinued in 1975 and present plans are for installation of additional crest-stage gages, particularly in Regions 4 and 5, to obtain a larger number of sites for flood-peak data evaluation.

Table 1.--Size distribution, number of stations, and average length of record for stations in Regions 1-5 regression analyses

Drainage area, in mi^2	Hydrologic region									
	1		2		3		4		5	
	No. of stations	Average length of record, in years	No. of stations	Average length of record, in years	No. of stations	Average length of record, in years	No. of stations	Average length of record, in years	No. of stations	Average length of record, in years
Less than 1	2	10	8	12	8	12	1	11	0	0
1-5	17	11	19	11	24	10	0	0	2	10
5-10	6	12	10	11	15	10	0	0	1	10
10-50	14	23	13	17	20	16	5	13	3	15
50-100	11	23	11	18	13	18	2	28	1	30
100-300	17	33	18	26	23	20	1	12	2	24
300-600	6	21	9	28	8	26	0	0	1	36
600-1,000	2	37	2	58	6	34	0	0	0	0
Greater than 1,000	0	0	2	55	5	31	0	0	0	0
TOTALS	75		92		122		9		10	

The average length of record is closely related to drainage area for all regions. This is the result of priority being given to establishing gaging stations on the larger streams in the earlier years of the stream-gaging operation.

Tables in the section, "Flood Data at Gaging Stations," contain a listing of flood records at all gaging stations in Georgia having at least 5 years of record. Stations in nearby States used in the flood-frequency analyses are also listed. A total of 403 stations are included. Flood-frequency data and log-Pearson Type III statistics are also listed for most stations. The locations of all stream gages in Georgia and nearby States having flood records listed are shown on sectional maps (figs. 1-4).

Gaging-station numbers used throughout this report are U.S. Geological Survey national index numbers of the form 02317765. The first two digits (02) represent part 2, South Atlantic slope and eastern Gulf of Mexico basins. The final six digits represent the station numbers, which increase in a downstream direction. All streams in Georgia are within part 2, except for those in a small area of extreme north Georgia in the Tennessee River basin, which are included in part 3, the Ohio River basin. All streams listed for nearby States are also in either part 2 or 3.

FLOOD-FREQUENCY DATA AT GAGING STATIONS

The relation of flood-peak magnitude to probability of occurrence, or recurrence interval, is referred to as the flood-frequency relation. Probability of occurrence is the percentage chance that a flood will exceed a specific magnitude in any 1 year. Recurrence interval is the reciprocal of probability of occurrence times 100 and is the average number of years between exceedences over a long period of time. For example, a flood having a probability of occurrence of 4 percent has a recurrence interval of 25 years. This does not mean that each 25 years this flood will be exceeded, but that it will be exceeded on the average of every 25 years over a long period of time, such as 1,000 years. In fact, it may be exceeded in successive years or even twice in the same year or may not be exceeded in some specific 25-year period.

The flood-frequency relation for a station where gaging-station data are available can be defined by fitting the array of annual peak discharges to a theoretical distribution. The U.S. Water Resources Council (1976) has recommended a uniform technique for determining flood-flow frequencies by fitting the logarithms of the annual peak discharges to a log-Pearson Type III distribution. This procedure is now generally accepted by most Federal and State agencies. The log-Pearson Type III distribution is defined by three statistical parameters, which are: the mean, the standard deviation, and the skew of the data array. The skew coefficient has a greater variability between data sets and is, therefore, a less reliable estimator of a population statistic for a particular site than either the mean or the standard deviation.

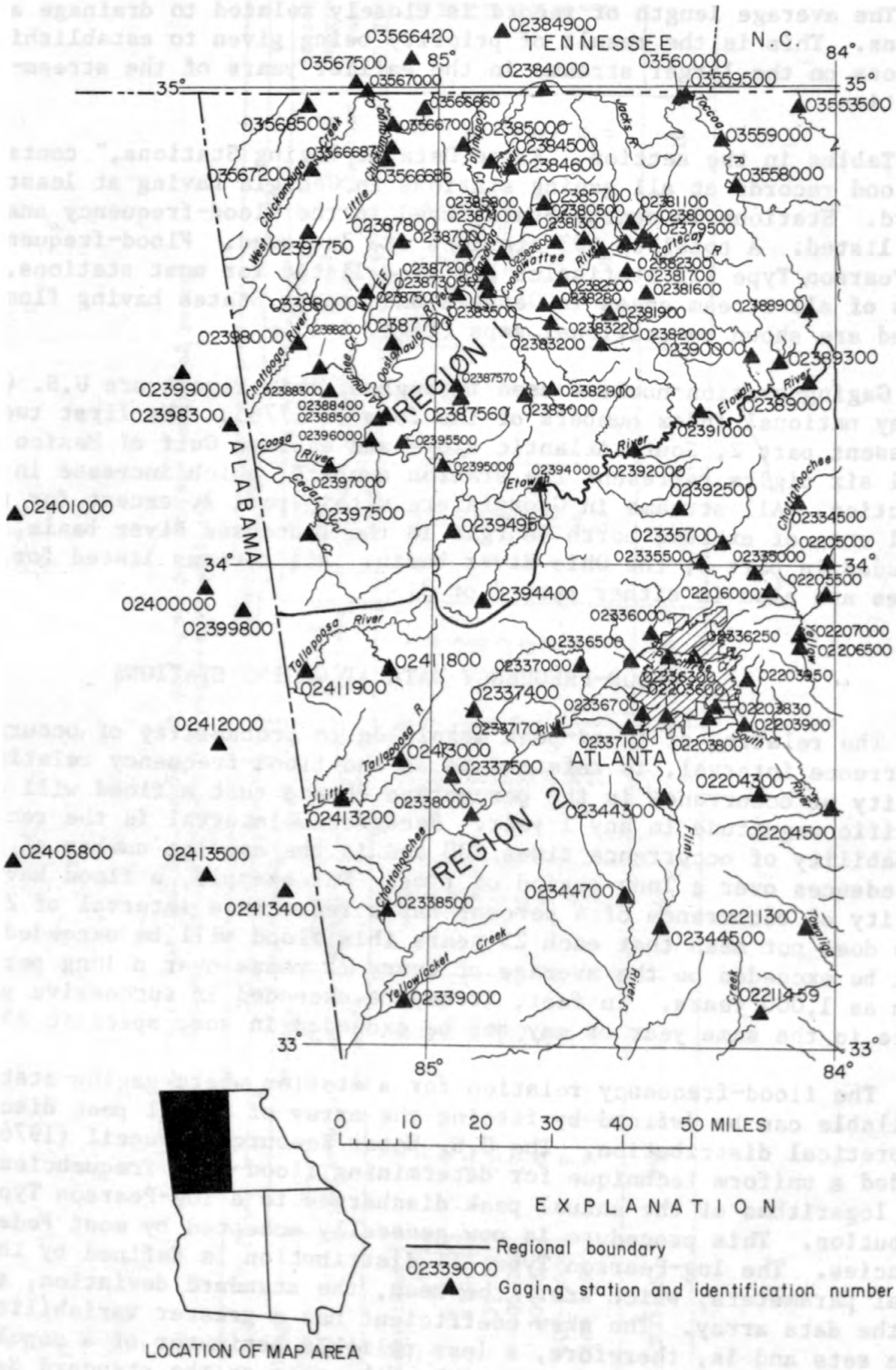

Figure 1.—Location of gaging stations in northwest Georgia.

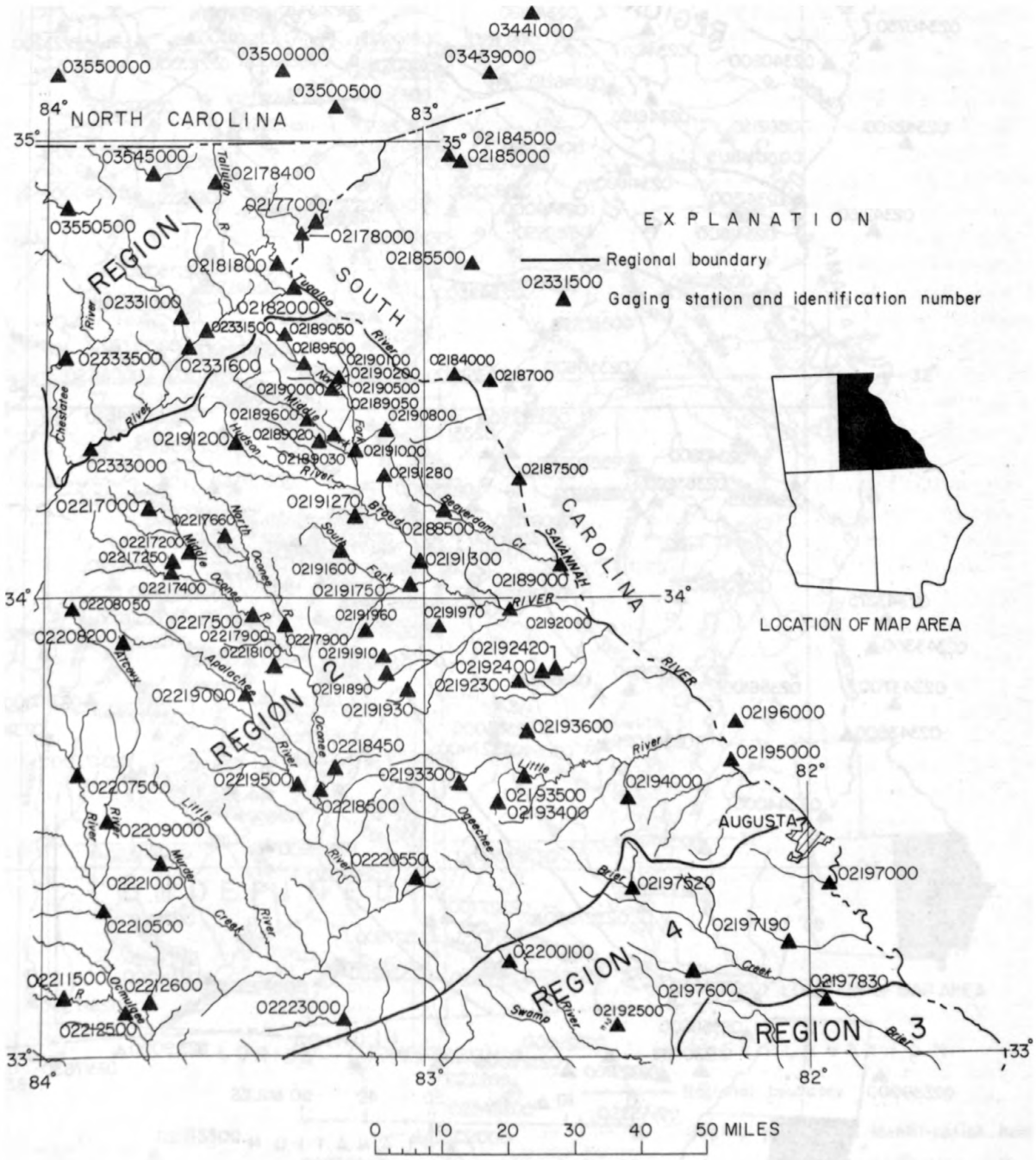

Figure 2.—Location of gaging stations in northeast Georgia.

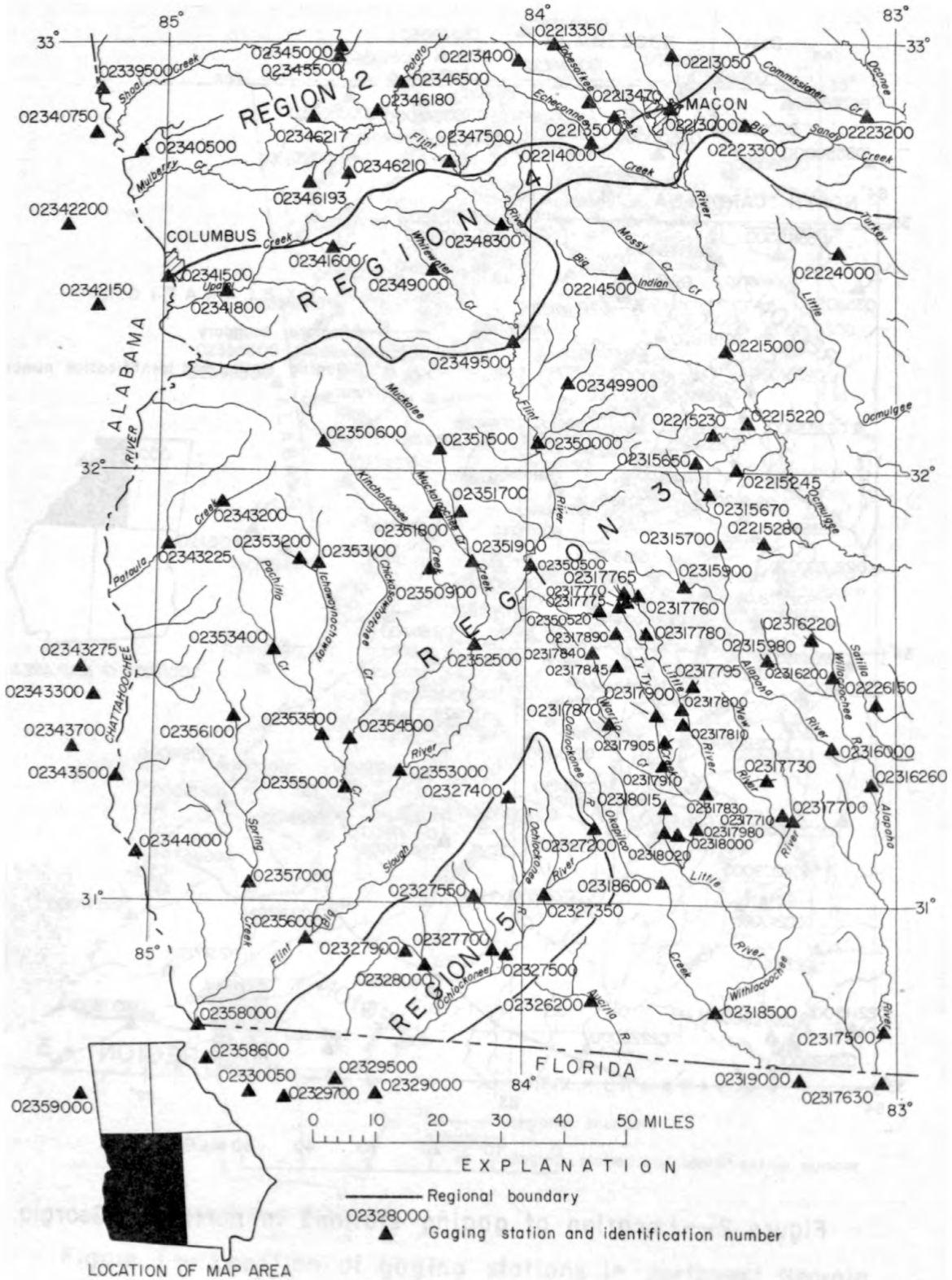

Figure 3.—Location of gaging stations in southwest Georgia.

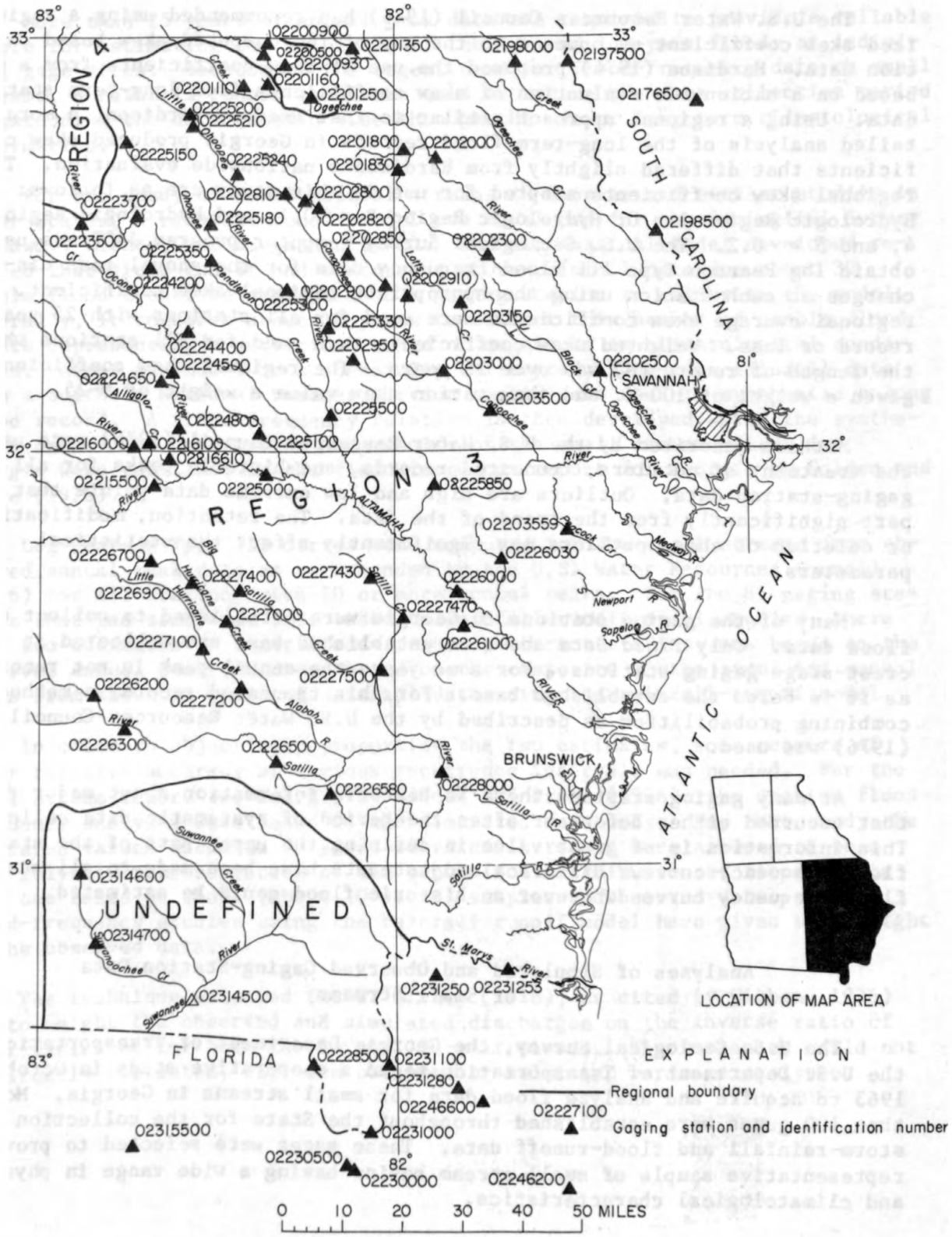

Figure 4.—Location of gaging stations in southeast Georgia.

The U.S. Water Resources Council (1976) has recommended using a regionalized skew coefficient as opposed to the use of the computed skew based on station data. Hardison (1974) proposed the use of skew coefficients from a map based on a nationwide evaluation of skew coefficients from long-term station data. Using a regional approach similar to that used by Hardison, a more detailed analysis of the long-term flood records in Georgia produced skew coefficients that differed slightly from Hardison's nationwide evaluation. The regional skew coefficients adopted for use in this study are as follows: Hydrologic Region 1 = 0; Hydrologic Region 2 = -0.1; and Hydrologic Regions 3, 4, and 5 = -0.2. The U.S. Geological Survey computer program J407 was used to obtain log-Pearson Type III flood-frequency data for the annual peak discharges at each station using the appropriate regional skew coefficient. The regional average skew coefficients were used for all stations with 25 years of record or less. Weighted skew coefficients were used for all stations where the length of record (N) was over 25 years. The regional skew coefficient was given a weight of 100-N, and the station skew value a weight of N-25.

Methods described by the U.S. Water Resources Council (1976) were used in the treatment of outliers, truncated records, and historic peaks for all gaging-station data. Outliers are high and low extreme data points that depart significantly from the trend of the data. The retention, modification, or deletion of these outliers may significantly affect the statistical parameters.

Many of the gaging stations in Georgia were established to collect only flood data. Only flood data above an established base are collected at these crest-stage gaging stations. For some years the annual peak is not recorded as it is below the established base. For this truncated record, a method of combining probabilities as described by the U.S. Water Resources Council (1976) was used.

At many gaging stations there is historic information about major floods that occurred either before or after the period of systematic data collection. This information is of great value in defining the upper part of the station flood-frequency curve. Historical adjustments have been made to all station flood-frequency curves wherever an historic flood could be estimated.

Analyses of Simulated and Observed Gaging-Station Data for Small Streams

The U.S. Geological Survey, the Georgia Department of Transportation, and the U.S. Department of Transportation began a cooperative study in October 1963 to acquire and analyze flood data for small streams in Georgia. More than 100 gages were established throughout the State for the collection of storm-rainfall and flood-runoff data. These gages were selected to provide a representative sample of small stream basins having a wide range in physical and climatological characteristics.

More than 25 years of annual peak data are required to provide a reliable sample for estimating the magnitude of the 50- and 100-year floods at individual gage sites. Because of the urgent need for flood-frequency data on small streams, a rainfall-runoff model was used to reduce the data collection period by extending the data base in time through the use of long-term climatological information.

For the study of small natural streams in Georgia and similar studies in other States, a rainfall-runoff model was developed for the Geological Survey by Dawdy, Lichty, and Bergmann (1972). The mathematical model developed required that flood runoff and concurrent storm-rainfall data for about 30 usable flood events be collected at a gaging station to calibrate the model. Generally, it requires about 10 years to collect this number of usable flood events representing a sufficient range of magnitude in climatological conditions. After the model is successfully calibrated, long-term rainfall data from a suitable National Weather Service station are used to synthesize a long flood record. A flood-frequency relation is then developed using the synthesized data. The description and results of the small streams study for Georgia were published in the flood-frequency report for Georgia by Golden and Price (1976).

Log-Pearson Type III curves were computed for the small streams from observed annual peak data as recommended by the U.S. Water Resources Council (1976) for all stations with 10 or more annual peaks. For the 81 gaging stations that had simulated data based on rainfall-runoff model studies, there were two estimates of their flood-frequency characteristics, one based on the observed annual peaks, and one based on the composite of the simulated annual peaks from about 75 years of rainfall data using the rainfall-runoff model.

In order to objectively proportion the two estimates, some measure of their relative accuracy at various recurrence intervals was needed. For the small stream report for Georgia by Golden and Price (1976), the station flood-frequency analyses were based on the simulated data only. For that study the simulated values based on 75 years of rainfall record were assumed to be a more reliable representation of the population distribution of flood events than one based on small (about 10 years) samples of observed data. Later flood-frequency studies using the rainfall-runoff model have given some weight to the observed data.

The technique selected (R. W. Lichty (1978), as cited by Wibben, 1976) was to weight the observed and simulated discharges on the inverse ratio of their variances for both the 2- and 100-year floods. The variances could not be directly estimated, but were obtained by multistep variance analyses.

The method is outlined below:

1. The average variance between the observed and simulated discharges for the 2- and 100-year floods was computed using

$$V_r = \frac{\Sigma(\log Q_g ob - \log Q_g sim)^2}{n} \quad (1)$$

in which V_r = total variance, in log units,
$Q_g obs$ = observed station discharge in ft^3/s,
$Q_g sim$ = simulated station discharge in ft^3/s,
and
n = number of stations.

The variance, V_r, is predominantly caused by errors associated with the observed and synthesized data and the rainfall-runoff model. Assuming independence of the observed and simulated peak data, the equation for total variance may be written as $V_r = \overline{V}_{ts} + \overline{V}_m$, (2)
where: $\overline{V}_{ts}$ = average time-sampling variance of the observed estimate of discharge, in log units,
and
$\overline{V}_m$ = average variance of simulated estimate of discharge, in log units.

2. From log-Pearson Type III statistics of observed station data, the time-sampling variance was estimated for each station for the 2- and 100-year floods using a modification to the equation developed by Hardison (1971) as follows:

$$V_{ts} = \frac{(R)^2(I_v{}^2)}{N}, \quad (3)$$

where: V_{ts} = station time-sampling variance in log units,
R = factor relating standard error to I_v and N,
I_v = standard deviation of logarithms of annual events, in log units,
and
N = number of annual peaks.
The average time-sampling variance was computed from the station values.

3. $\overline{V}_m$ was computed as the difference between V_r and $\overline{V}_{ts}$.

4. The simulated data error for each recurrence interval cannot be estimated for individual stations since it encompasses a multitude of sources such as model error and long-term rainfall data errors, whose impact cannot be evaluated. For this analysis, the assumption was made that the simulated variance for individual station (V_m) closely approximates the average ($\overline{V}_m$). Using this assumption, the discharges can be weighted by the inverse ratio of V_{ts}/V_m such that weight of observed (W_{obs}) can be computed using the ratio:

$$\frac{V_m}{V_m + V_{ts}}, \quad (4)$$

and weight of simulated (W_{sim}) = 1 - W_{obs}. The final weighted station value is computed as follows:

$$Q_{g(w)} = W_{obs}\ Q_{gobs} + W_{sim}\ Q_{gsim} \qquad (5)$$

Although this technique is arbitrary, it does remove subjectivity from the process of combining the pair of curves. It assigns less weight to Q_{obs} values as the standard deviation (I_v) of the observed annual peak data increases and more weight as the standard deviation (I_v) decreases. It assigns less weight to Q_{obs} values from short records than it does from long ones. The weighting technique also gives more weight to Q_{obs} values at lower recurrence intervals than it does at higher ones. These trends are consistent with those normally associated with the relative accuracy of discharge-frequency curves.

The average weighting factors were computed for the 2- and 100-year floods (Q_2 and Q_{100}) based on 75 stations distributed throughout Georgia. The average weighting factors for the observed and synthetic estimates are given below:

Recurrence interval, in years	Weighting factors	
	observed	synthetic
2	0.40	0.60
100	.20	.80

The 2- and 100-year flood estimates provided two points on the station frequency curve and are a basis for determining the magnitude for other recurrence intervals. The magnitudes of the 5-, 10-, 25-, and 50-year recurrence interval floods were computed using the 2- and 100-year flood magnitudes and the regional skew coefficients. The first step was to compute a synthetic logarithmic standard deviation, SDs, required to make a log-Pearson Type III curve with a regional skew coefficient pass through the computed Q_2 and Q_{100}, using the equation:

$$SD_s = \log\ (Q_{100}/Q_2)/DK, \qquad (6)$$

in which DK, the increment ($K_{100} - K_2$) from the table of K values by the U.S. Water Resources Council (1976), varies with the skew coefficient. The next step was to compute a logarithmic mean $\overline{X}$, by the equation.

$$\overline{X} = \log Q_2 - K_2(SD_s). \qquad (7)$$

In the last step using the logarithmic mean, synthetic standard deviation, and K values for the regional skew coefficient from U.S. Water Resources Council (1976), discharges were computed that gave a log-Pearson Type III curve that passed through the 2- and 100-year discharges.

FLOOD FREQUENCY AT UNGAGED SITES ON STREAMS DRAINING BETWEEN 0.1 AND 1,000 SQUARE MILES

Flood-frequency relations can be estimated for ungaged sites up to 1,000 mi^2 through the use of the equations and graphs presented in this section. The equations were developed by relating the 2-, 5-, 10-, 25-, 50-, and 100-year floods to basin and climatic characteristics by multiple-regression analyses. Although numerous basin and climatic parameters were investigated, only drainage-area size appears to be significant. The regression analysis, the accuracy, and the limitation of the developed equations are discussed in the following paragraphs.

Regression Analysis

Since flood peak information is collected at only a few of the many sites where flood data are needed, gaging-station information must be transferred to ungaged sites. Regional analysis using the regression method as described by Riggs (1973) is a useful means of regionalization, as the discharge for a given frequency level (2- to 100-year flood) can be related to physical and climatological basin characteristics.

The regression model is of the form:

$$Q_N = a\, A^b B^c C^d \qquad (8)$$

where Q_N = flood magnitude having a N-year recurrence interval,
A, B, C = physical and climatological characteristics of drainage basin,
a, b, c, d = constant for a given recurrence interval.

Multiple-regression analysis provides a mathematical relation between a single dependent (2- to 100-year flood) variable and the independent (10 basin characteristics) variables. It also provides a measure of the accuracy of the defined relation (the standard error of estimate) and measures the significance of each independent variable in the relation.

Numerous studies have indicated that peak discharge is linearly related to most basin characteristics if the logarithmic transform of each is used. Therefore, all flood peaks and basin characteristics were transformed to logarithmic values before the regressions were made. The log transforms and the multiple-regression analyses were performed on a digital computer using both step-forward and step-backward analysis (Draper and Smith, 1967).

The standard error of estimate of a regression is a measure of the standard deviation of the distribution (assumed normal) of residuals about the regression line.

The value of each independent variable (physical and climatological characteristics) to the regression is assessed by its statistical significance in reducing the standard error of the regression. For this study, a 95-percent confidence limit was used to select the significant variables.

The flood-frequency data for the 2-, 5-, 10-, 25-, 50-, and 100-year floods discharges were computed as described in the preceding section. Excluded from the regression analyses were data from gages on streams draining areas greater than 1,000 mi^2 as most of these streams have long station records and generally have considerably more flood-plain storage than smaller streams. Streams having sigificant regulation of flood peak and draining urban areas were also excluded from the regression analyses.

The physical and climatological basin characteristics selected are the same as those used by Carter (1970) in an evaluation of the surface-water data program in Georgia, and subsequently used by Golden and Price (1976) in the flood-frequency analysis for small natural streams in Georgia. These characteristics are defined as follows:

Drainage area (A), in square miles, is the total contributing drainage area upstream from the gaging station as planimetered from U.S. Geological Survey topographic maps, county maps, or aerial photographs.

Main-channel length (L), in miles, is the length of the main channel between the gaging station and the basin divide, as measured along the channel which drains the largest area of the basin above each junction.

Main-channel slope (S), in feet per mile, is the average slope between points 10 percent and 85 percent of the distance from the gaging station to the basin divide.

Surface-storage area (St), is the surface area of lakes, ponds, and swamps expressed as a percentage of the total drainage area.

Mean-basin elevation (E), in feet, is the mean elevation of the entire basin above mean sea level.

Forested area (F), in percent, is the area of forest expressed as a percentage of the total drainage area.

Soils-infiltration-capacity index (Si), in inches, is soil infiltration capacity estimated by the U.S. Soil Conservation Service from information on soil type, cover, and agricultural practices.

Lag-time index (T), an index of basin lag time, is defined by the term $L/S^{0.5}$, where L is main-channel length and S is main-channel slope, as previously defined.

Mean annual precipitation (P), in inches, was determined from a map published by the U.S. Weather Bureau (now National Weather Service) (1959).

Precipitation intensity ($P_{24,2}$), the 24-hour, 2-year rainfall, in inches, was determined for each basin based on isopluvial maps prepared by the U.S. Weather Bureau (NWS) (1958).

The initial multiple-regression analysis utilized data from 274 gaging stations throughout the State. Drainage area, A, was the most significant variable, as expected, followed by P (annual precipitation), T (lag-time index) and Si (soils-infiltration-capacity index) except for the 2-year flood when the order was A, P, $P_{24,2}$ (the 24-hour, 2-year rainfall, in inches) and T. $P_{24,2}$ had a negative exponent that was not hydrologically reasonable. The standard error of estimate of the regression using the four significant variables ranged from 42 to 46 percent. Such large standard errors are not desirable and the residuals from the regression analysis were plotted on a State map to check for geographic bias.

A geographic bias, as previously noted by Carter (1970) and Golden (1973) was again detected. Five regional flood boundaries were delineated by considering results of the previous flood-frequency studies, geologic and soils maps, and the map of residuals (figs. 1-4). Region 1 includes all of the Valley and Ridge, the Cumberland Plateau, and the Blue Ridge physiographic provinces, and a small area of the adjacent Piedmont province. Region 2 includes all of the Piedmont province, except for the part in Region 1. Region 3 includes all of the Coastal Plain province, except the parts in Regions 4 and 5. Region 4 includes an area of low peak flows known as the Sand Hills area, which is located between Regions 2 and 3. Region 5 includes all of the Ochlockonee River basin downstream from Georgia Highway 27 in Moultrie.

A separate regression analysis was performed for each of the five regions. In each region drainage area was found to be the primary independent variable, followed in general order by length, slope, rainfall intensity, and soils index. In no case did the use of parameters other than drainage area improve the standard error of estimate more than 3 percent.

The regression analyses for Regions 4 and 5 were based on a small number of stations. The exponent of A ranged from 0.60 at the 2-year level to 0.80 at the 100-year level. Such an increase in exponent is not logical and is not supported by the regression analyses in Regions 1, 2, and 3, or by flood studies in surrounding States. Therefore, the exponent for the 2-year flood, which was thought to be the most reasonable, was assigned to all frequency intervals and regressions were run to determine the equations using the constant exponents. The standard error of estimate of the fixed exponent equations is greater than that determined from the "best fit" exponent equations, but nonetheless, the fixed exponent equations are considered to be more reliable for estimating flood frequency.

The recommended regression equations for all five regions for the 2-, 5-, 10-, 25-, 50-, and 100-year flood events are summarized in table 2. The discharge at any recurrence interval may be obtained by plotting Q_N versus its recurrence interval on log-probability paper and fitting a smooth line through the plotted points.

Table 2.--Summary of regression equations.

Recurrence interval (years)	Regression equations for the indicated hydrologic region, where A = drainage area in square miles				
	1	2	3	4	5
2	$169A^{.70}$	$195A^{.60}$	$99A^{.58}$	$55A^{.60}$	$120A^{.65}$
5	$269A^{.70}$	$337A^{.59}$	$167A^{.59}$	$92A^{.60}$	$250A^{.65}$
10	$344A^{.69}$	$446A^{.59}$	$216A^{.59}$	$120A^{.60}$	$337A^{.65}$
25	$443A^{.69}$	$600A^{.58}$	$280A^{.59}$	$150A^{.60}$	$491A^{.65}$
50	$524A^{.69}$	$727A^{.58}$	$332A^{.60}$	$180A^{.60}$	$629A^{.65}$
100	$610A^{.68}$	$862A^{.57}$	$384A^{.61}$	$215A^{.60}$	$785A^{.65}$

The 2- and 100-year flood estimating equations for all flood regions are compared graphically in figures 5 and 6. Note that the Region 1 and Region 2 relationship lines cross at about 5 and 20 mi^2 for the 2- and 100-year floods, respectively. The relationships show that flood-peak runoff for small drainage basins in Region 1 is less than that in Region 2. For the larger basins in Region 1, the flood-peak runoff is greater than in Region 2. This can be partly explained by the generally greater storage capacity of the drainage systems of the larger basins in Region 2, as compared with Region 1. Other influential factors may be differences in forest cover and soil types between the two regions. Both of these variables were used in the multiple-regression analyses and neither were of practical significance in determining the flood estimating equations. However, this lack of significance may be due to the difficulty in finding a proper measure of the effects of forest cover and soils infiltration characteristics. The Region 5 relationship indicates a higher flood runoff in basins larger than 5 mi^2 than the other regions. This is probably due to the small sample used or due to the fact that Region 5 has experienced several large floods during the last 30 years.

Accuracy

The accuracy of the regression equations can be expressed in two ways, in percent or in equivalent years of record. The accuracy in percent is usually referred to as the standard error of estimate of the regression equations. The standard error of estimate is a measure of the standard deviation of the distribution (assumed normal) of the residuals about the regression line. Two-thirds of the values based on gaged records are within 1 standard error of the computed value and 95 percent are within 2 standard errors. A large part of this error is the result of time-sampling errors in the actual record used in the regression analysis. Hardison (1971) has shown that the standard error of estimate of a regression is a reasonably good estimate of the standard error of prediction when the average interstation correlation coefficient

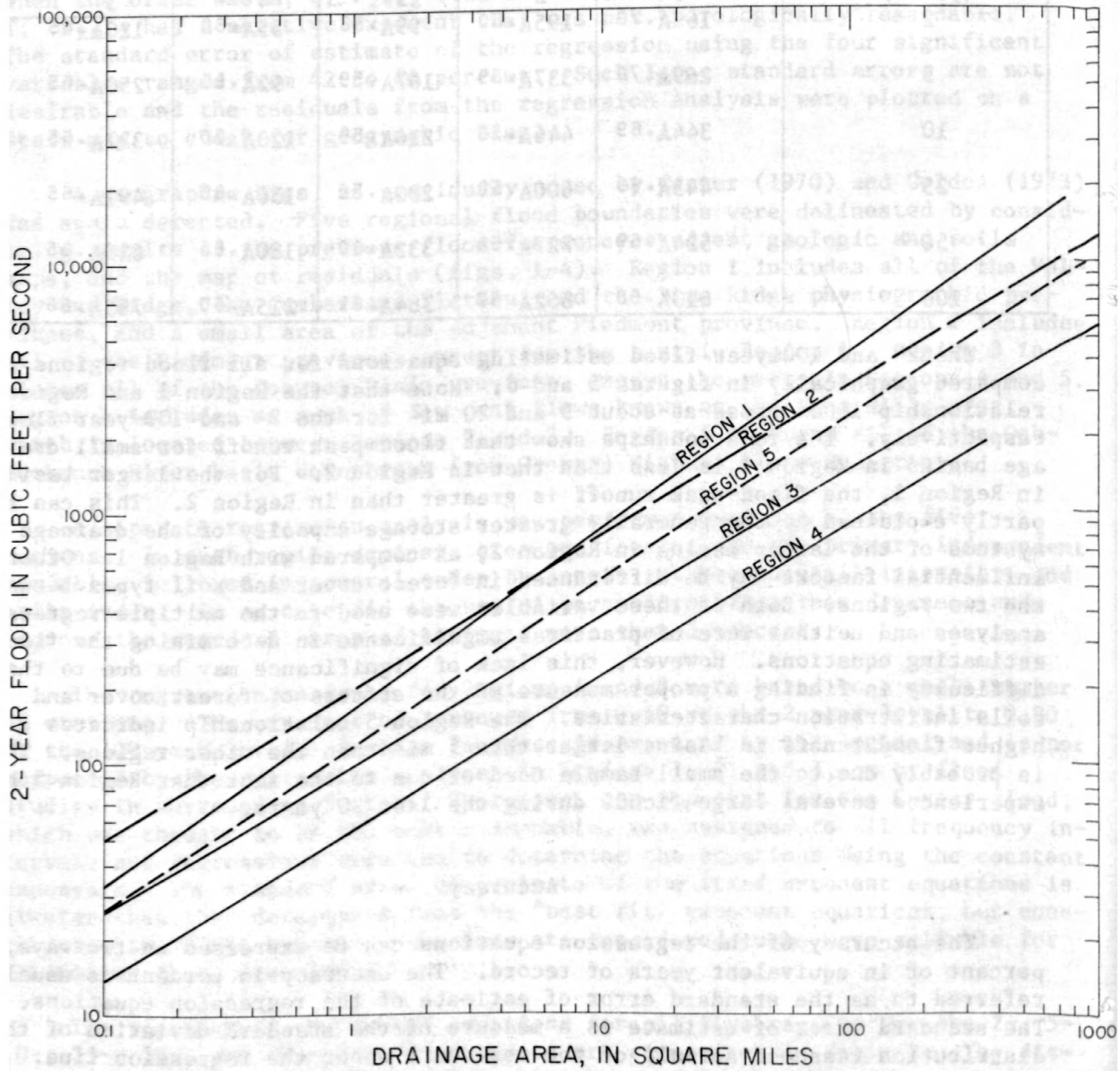

Figure 5.—Relation of 2-year flood to drainage area in Regions 1-5.

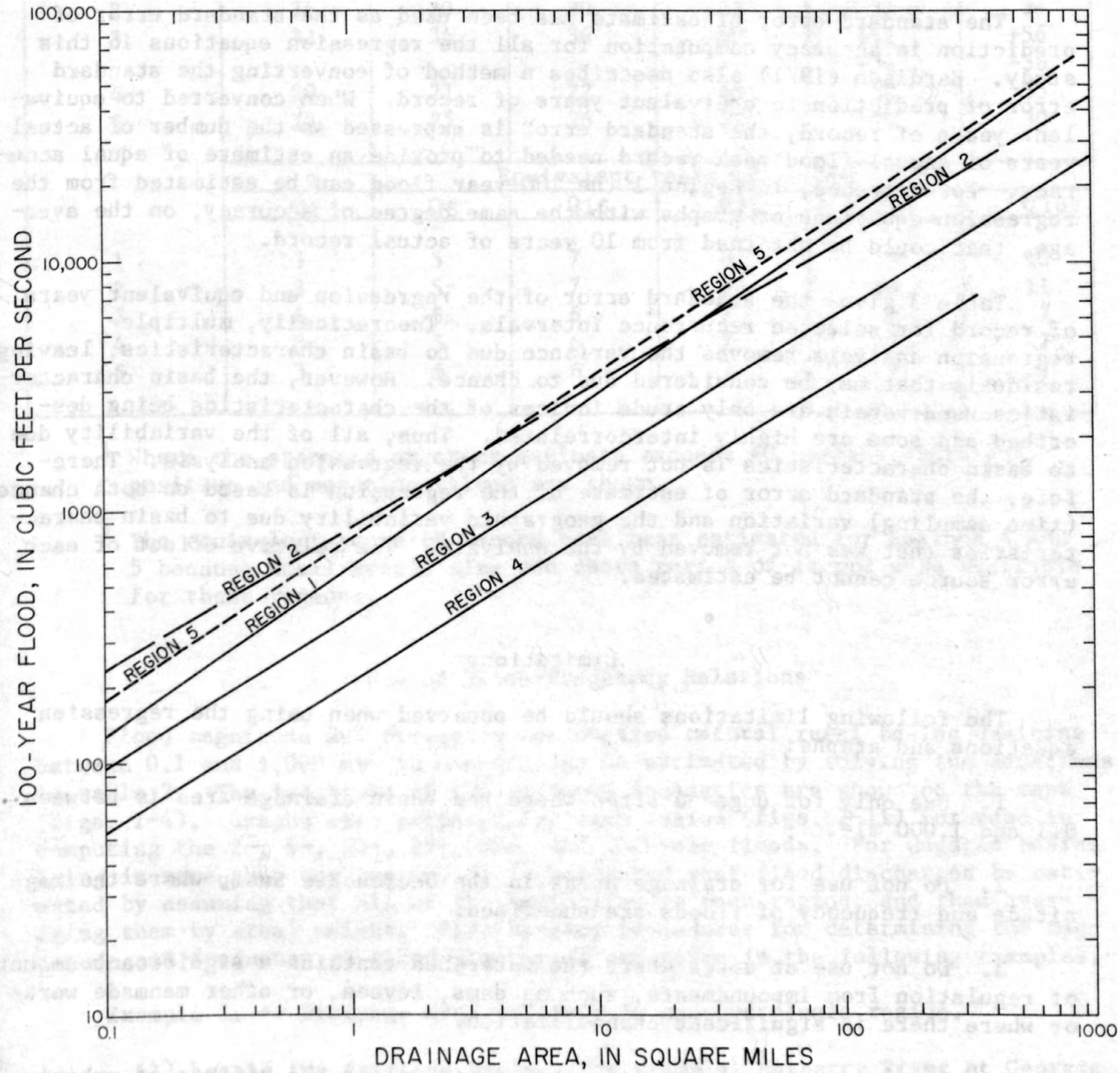

Figure 6.—Relation of 100-year flood to drainage area in Regions 1-5.

between the stations used in the regression is close to 0.5. Based on interstation correlation studies made for small-drainage area basins in Georgia, the average interstation correlation coefficient varies from about 0.3 in Region 3 to about 0.6 in Regions 1 and 2.

The standard error of estimate has been used as the standard error of prediction in accuracy computation for all the regression equations in this study. Hardison (1971) also describes a method of converting the standard error of prediction to equivalent years of record. When converted to equivalent years of record, the standard error is expressed as the number of actual years of annual flood peak record needed to provide an estimate of equal accuracy. For instance, in Region 1 the 100-year flood can be estimated from the regression equations or graphs with the same degree of accuracy, on the average, that could be obtained from 10 years of actual record.

Table 3 gives the standard error of the regression and equivalent years of record for selected recurrence intervals. Theoretically, multiple-regression analysis removes the variance due to basin characteristics, leaving residuals that may be considered due to chance. However, the basin characteristics used herein are only crude indices of the characteristics being described and some are highly intercorrelated. Thus, all of the variability due to basin characteristics is not removed by the regression analysis. Therefore, the standard error of estimate of the regression is based on both chance (time sampling) variation and the geographic variability due to basin characteristics that was not removed by the analysis. The relative effect of each error source cannot be estimated.

Limitations

The following limitations should be observed when using the regression equations and graphs:

1. Use only for ungaged sites where the basin drainage area is between 0.1 and 1,000 mi^2.

2. Do not use for drainage areas in the Okefenokee Swamp where the magnitude and frequency of floods are undefined.

3. Do not use at sites where the watershed contains a significant amount of regulation from impoundments, such as dams, levees, or other manmade works or where there is significant channelization.

4. Do not use for streams in urban areas unless the effects of urbanization are insignificant.

5. Do not use in areas in southwest Georgia where large limestone sinkholes or depressions have a significant storage potential in the watershed.

Table 3.--Accuracy of regression equations

Flood Region	Standard error of regression, in percent[1]					
	Q_2	Q_5	Q_{10}	Q_{25}	Q_{50}	Q_{100}
1	29	27	27	28	30	31
2	34	30	30	31	32	34
3	33	34	36	40	+51 -34	+56 -36
4	20	21	22	25	30	35
5	25	25	26	27	28	30
	Equivalent years of record					
	Q_2	Q_5	Q_{10}	Q_{25}	Q_{50}	Q_{100}
1	3	5	7	8	9	10
2	3	5	7	9	10	11
3	4	5	6	7	7	7
[2]4	3	5	6	7	7	7
[2]5	3	5	6	7	7	7

[1] Where the standard error or estimate exceeds 40 percent, both the positive and negative values are shown.

[2] The equivalent years of record have been estimated for Regions 4 and 5 because small sample size and short period of record were available for these regions.

Use of Flood-Frequency Relations

Flood magnitude and frequency for ungaged natural rural basins draining between 0.1 and 1,000 mi^2 in Georgia can be estimated by solving the equations in table 2. The locations of the regional boundaries are shown on the maps (figs. 1-4). Graphs were prepared for each region (figs. 7-11) for ease in computing the 2-, 5-, 10-, 25-, 50-, and 100-year floods. For ungaged basins lying in more than one region, it is suggested that flood discharges be estimated by assuming that all of the basin lies in each region, and then averaging them by areal weight. Step-by-step procedures for determining the magnitude and frequency of flood discharges are given in the following examples.

Example 1. -- Drainage area entirely in one hydrologic region.

(1) Locate the drainage basin. For example, Mulberry River at Georgia Highway 53 near Winder, Barrow County, lies wholly within Region 2.

(2) From the best available topographic map or aerial photograph, determine the drainage area upstream from the highway crossing. The drainage area is determined from U.S. Geological Survey quadrangle maps as 117 mi^2.

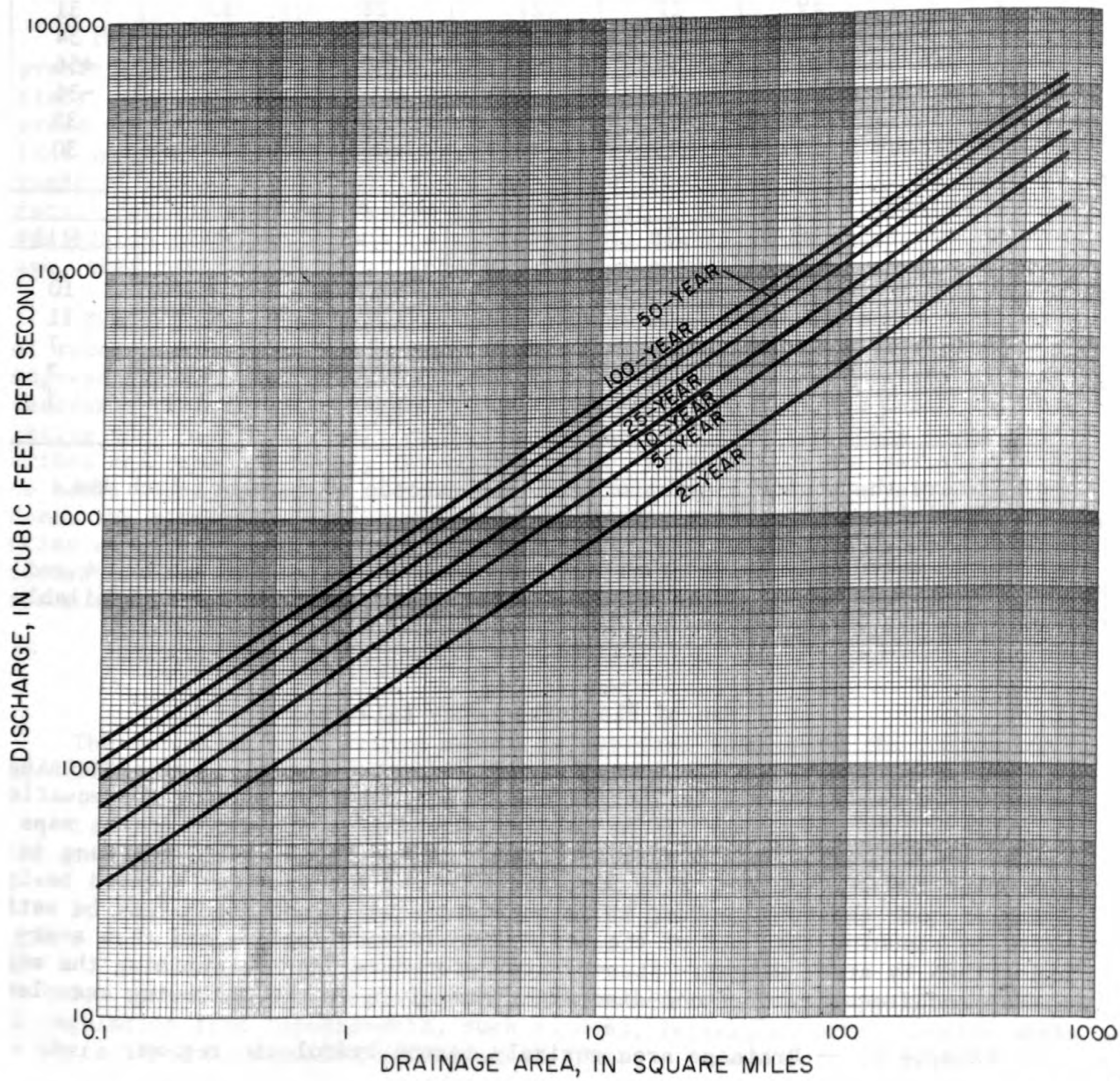

Figure 7.—Relation of flood discharge to drainage area for selected frequencies in Region I.

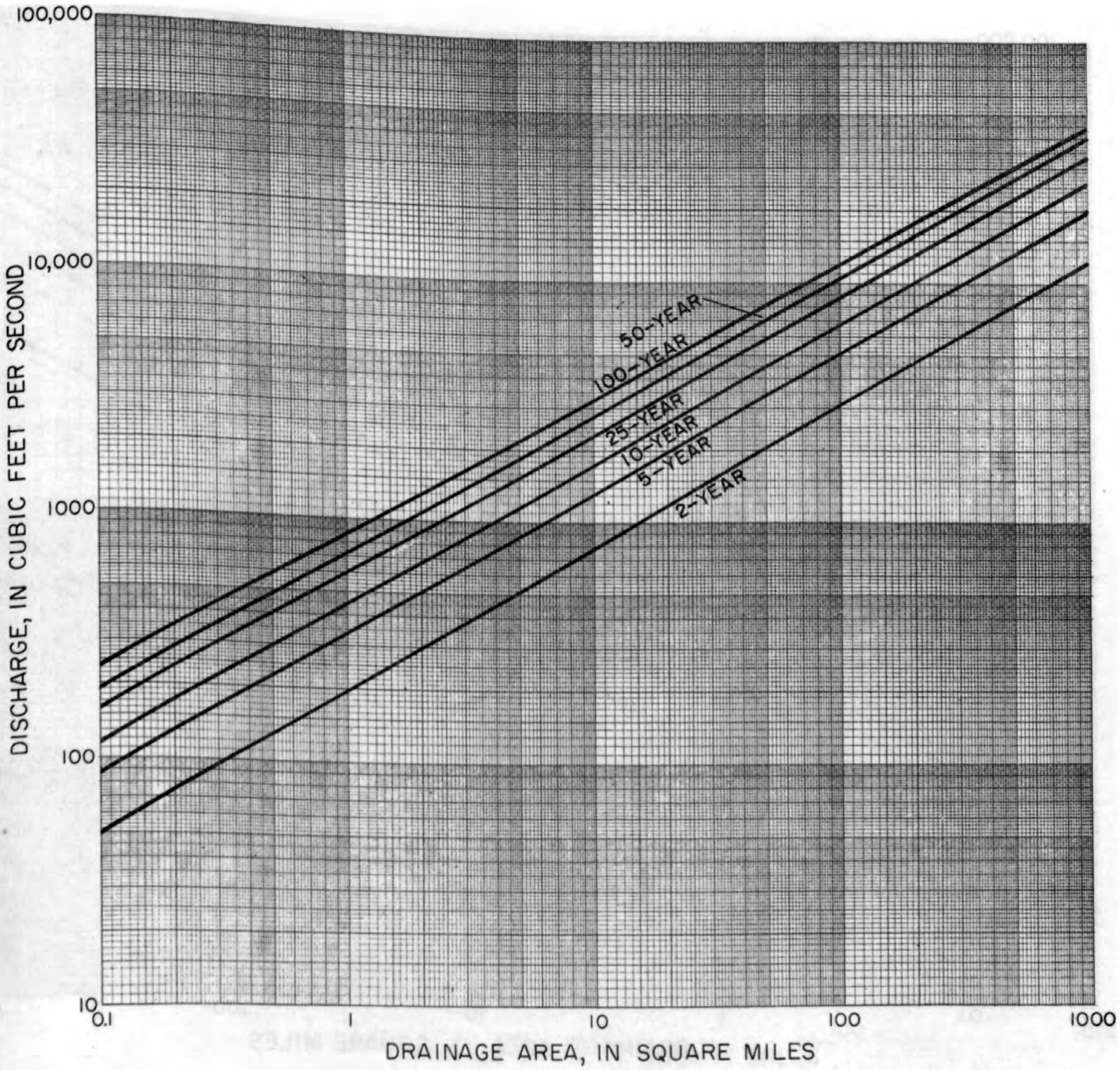

Figure 8.—Relation of flood discharge to drainage area for selected frequencies in Region 2.

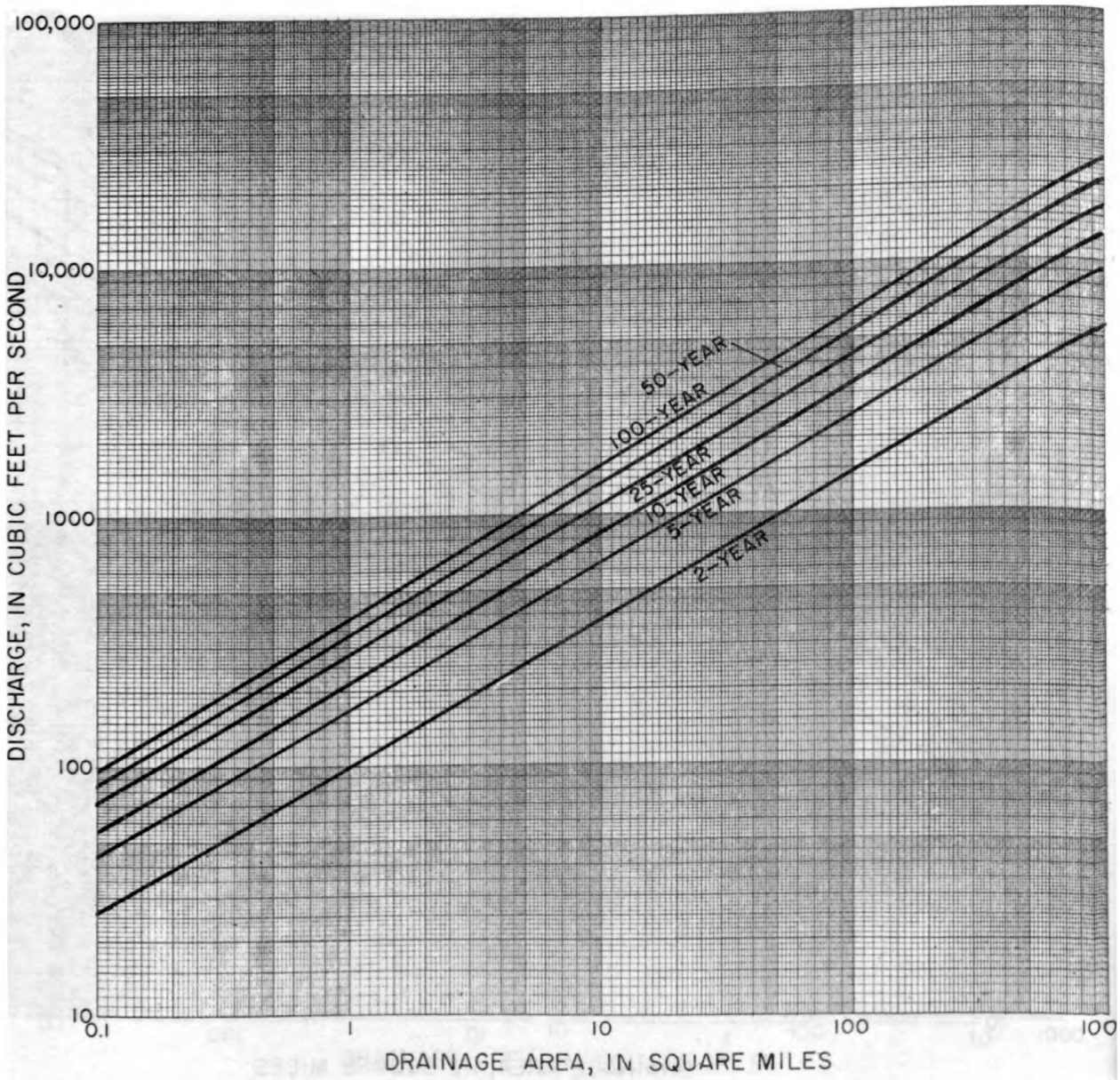

Figure 9.—Relation of flood discharge to drainage area for selected frequencies in Region 3.

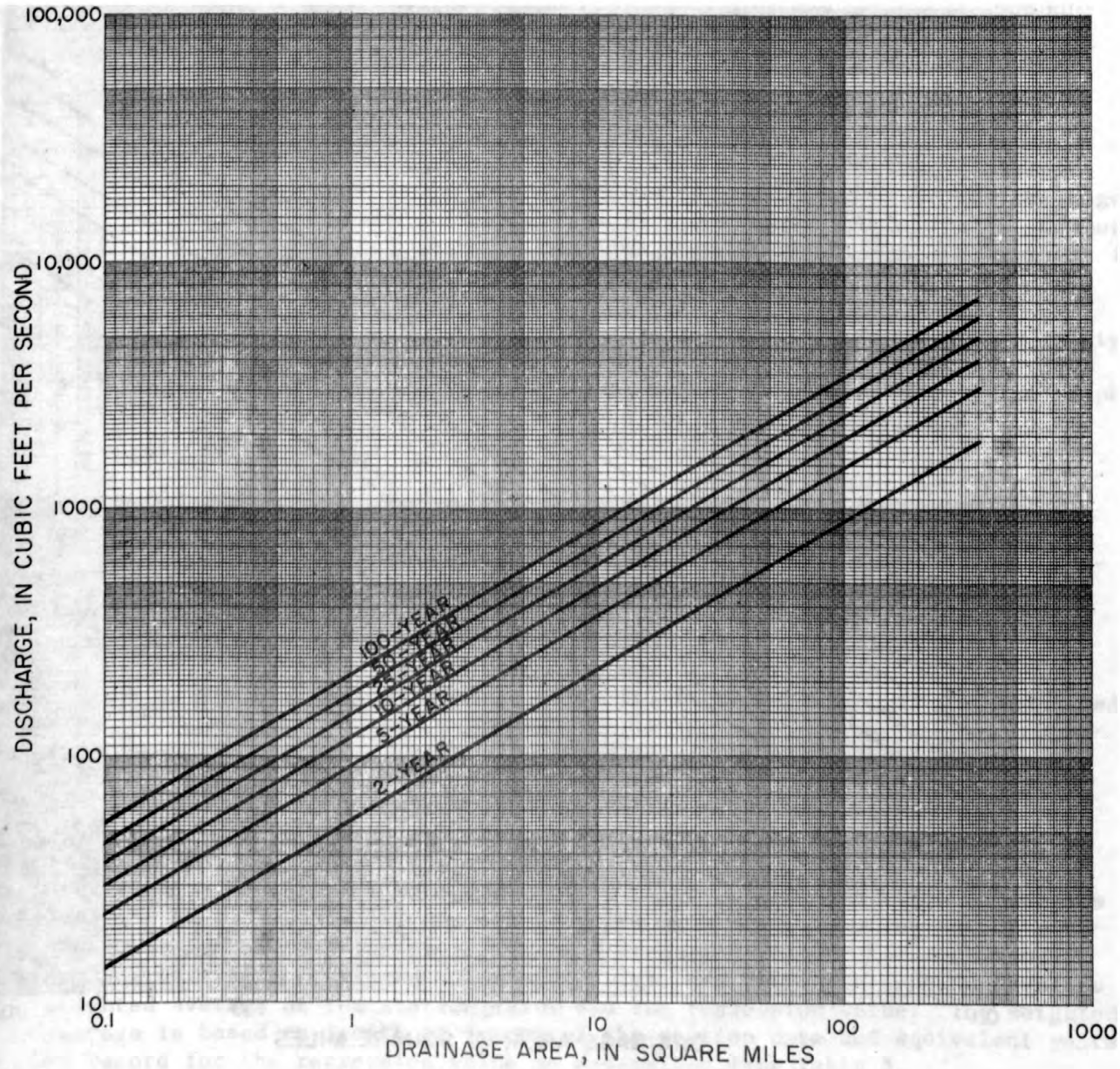

Figure 10.—Relation of flood discharge to drainage area for selected frequencies in Region 4.

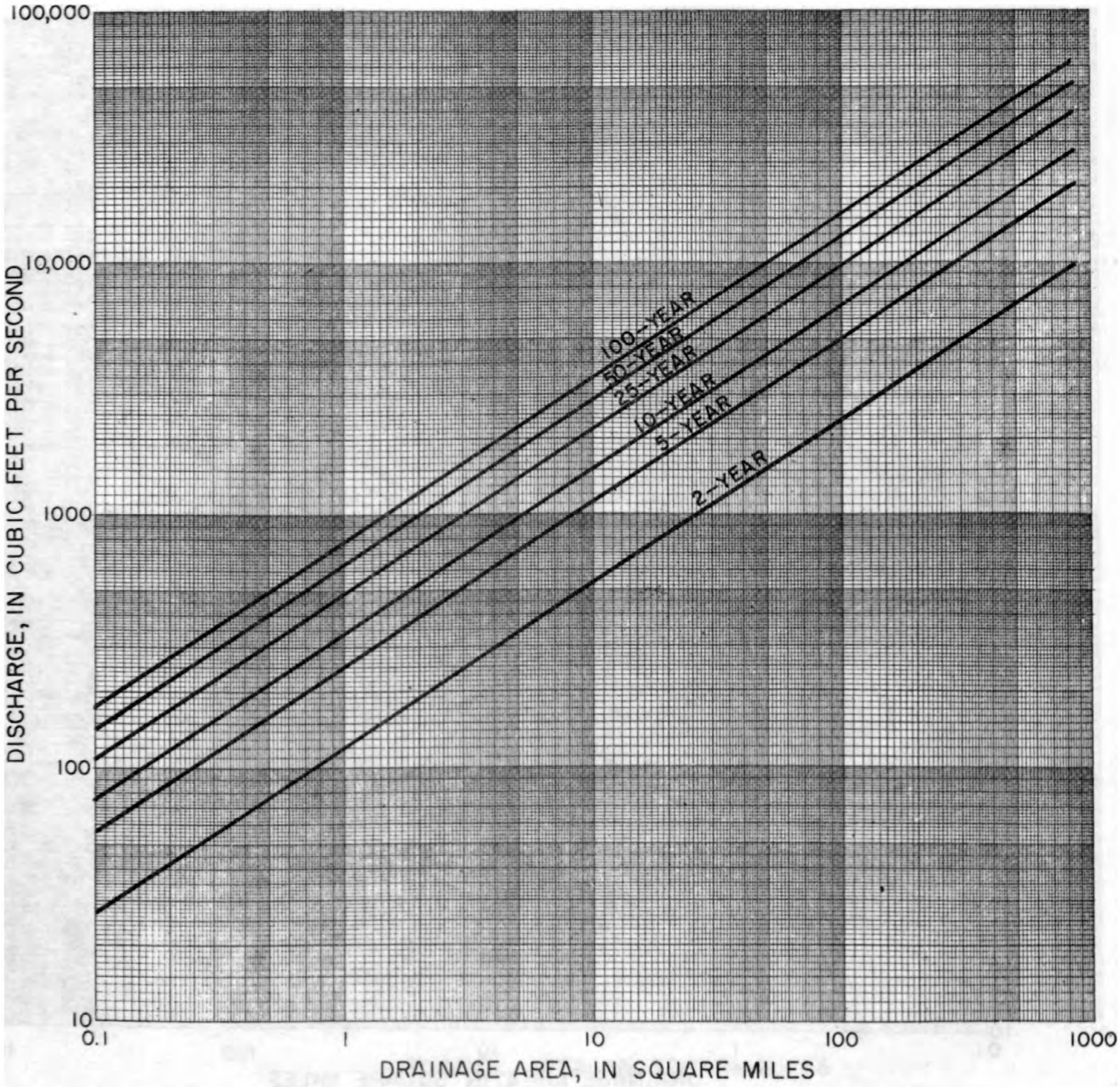

Figure 11.— Relation of flood discharge to drainage area for selected frequencies in Region 5.

(3) Using the equations for Region 2 from table 2 or the graph in figure 8, the 100-year flood is determined to be 13,000 ft^3/s. This is the 100-year flood discharge for Mulberry River near Winder.

Example 2. -- Drainage basin lying in more than one hydrologic region.

(1) Locate the drainage basin. For example, Brier Creek at Georgia Highway 4 near Wrens, Jefferson County, lies in Regions 2 and 4.

(2) From the best available topographic map or aerial photograph, determine the drainage area upstream from the highway crossing. The total drainage area is determined as 171 mi^2, and the drainage areas in Regions 2 and 4, are 72 and 99 mi^2, respectively. Compute the percentage of total drainage area in each region (42 percent in Region 2 and 58 percent in Region 4).

(3) Using the equations for Region 2 from table 2, or the graph in figure 8, the 50-year flood for 171 mi^2 is determined to be 14,300 ft^3/s. Using the equation for Region 4 from table 2, or the graph in figure 10, the 50-year flood for 171 mi^2 is determined to be 3,940 ft^3/s.

(4) Prorate the discharges computed in Step 3 by the percentage of drainage area computed in Step 2, as follows:

Region 2:	14,300 ft^3/s x 42 percent	=	6,010 ft^3/s
Region 4:	3,940 ft^3/s x 58 percent	=	2,290 ft^3/s
	SUM		8,300 ft^3/s

Thus, a 50-year discharge for Brier Creek at Georgia Highway 4 near Wrens is estimated as 8,300 ft^3/s.

FLOOD FREQUENCY AT OR NEAR GAGE SITES ON STREAMS DRAINING BETWEEN 0.1 AND 1,000 SQUARE MILES

Flood magnitude and frequency can be obtained at gaged sites on streams draining between 0.1 and 1,000 mi^2 by a combined use of the regression equations, or graphs, and the gaging-station frequency curve. The recommended procedure is to compute the discharge for the desired recurrence interval as a weighted average of the station value and the regression value. The weighted average is based on length of record of the station data and equivalent years of record for the regression value as determined from table 3.

The equation used to compute the weighted average is

$$\log Q_{g(w)} = \frac{N \log Q_g + EY \log Q_N}{N + EY}, \qquad (9)$$

where

$Q_{g(w)}$ = the weighted discharge for selected recurrence interval
Q_g = the station discharge for selected recurrence interval
Q_N = the regression discharge for selected recurrence interval
N = the number of years of station data used to compute $Q_{g(s)}$,

and

EY = the equivalent years of record for $Q_{x(v)}$ as determined from the table.

Weighted average values using table 3 and equation (9) have been computed for most stations and listed in the section "Flood Data at Gagings Stations" of this report. The weighted values are considered the best estimates for design purposes at the gaging-station site.

Flood frequency at sites on streams draining between 0.1 and 1,000 mi^2 near gaging stations on the same stream can be estimated by transferring the nearby weighted station data to the ungaged site and weighting with the regression data for the ungaged site.

The following procedure can be used if the drainage area of the site is within 50 percent of that of the gaged site.

$$Q_u = \left(\frac{A_u}{A_g}\right)^b Q_{g(w)} \qquad (10)$$

and a weighted value can be computed by the equation

$$Q_{u(w)} = \frac{2\Delta A}{A_g} + \left(1 - \frac{2\Delta A}{A_g}\right) Q_u \qquad (11)$$

where

Q_u = the discharge at the ungaged site transferred from the gaged site by the drainage area ratio for selected recurrence interval,
$Q_{g(w)}$ = the weighted discharge for selected recurrence interval from nearby gaging station,
Q_N = the regression discharge for selected recurrence interval at the ungaged site computed from applicable hydrologic region equation or graph,
$Q_{u(w)}$ = the weighted discharge for selected recurrence interval at the ungaged site,
b = the drainage area exponent from table 2 for the applicable hydrologic region and selected recurrence interval,
A_u = drainage area at ungaged site,
A_g = drainage area of the nearby gaged site,

and

ΔA = difference in drainage areas of the gaged and ungaged site.

Where the drainage area at the ungaged site on a gaged stream differs by more than 50 percent from that of the gaged site, the computed results of the regression equations or graphs should be used without adjustment.

Step-by-step procedures for determining the magnitude and frequency of flood discharges are given in the following example.

Example 3. -- Ungaged site on same stream with gaged site.

(1) Locate the drainage basin. For example, Spring Creek at Georgia Highway 38 at Brinson, Decatur County.

(2) For the gaged site on Spring Creek near Iron City, Station 02357000, determine from tables in section, "Flood Data at Gaging Stations," the drainage area, A_g, as 485 mi^2, and the weighted 100-year flood $Q_{g(w)}$ as 20,200 ft^3/s.

(3) For the ungaged site, about 5 miles downstream from the gaged site, determine the drainage area A_u, to be 560 mi^2. The difference in drainage area, ΔA, between the gaged and ungaged sites is 75 mi^2.

(4) From table 2, determine "b" for hydrologic Region 3 for the 100-year flood to be 0.61.

(5) Transfer the 100-year flood at the gaged site using equation (10).

$$Q_u = \left(\frac{A_u}{A_g}\right)^b Q_{g(w)},$$

$$Q_u = \left(\frac{560}{485}\right)^{.61} (20,200) = 22,100 \text{ ft}^3/\text{s}.$$

(6) At the ungaged site from the equation for hydrologic Region 3 in table 2 or graph in figure 9 determine the regional 100-year flood, Q_N, to be 18,200 ft^3/s.

(7) Weight the transferred station data, $Q_{g(w)}$ and the regional data Q_N using equation (11).

$$Q_{u(w)} = \frac{2(75)}{485}(18,200) + \left(1 - \frac{2(75)}{485}\right)(22,100)$$

$Q_{u(w)}$ = 5,630 + 15,300 = 20,900 ft^3/s the 100-year flood for the ungaged site.

The ungaged site for which flood frequency calculations are desired could be between 2 gaged sites on the same stream and within 50 percent of the drainage area of each. In this instance, the discharge can be computed by a simple graphical analysis. On log-log paper, plot the weighted discharges at the two gaging stations against drainage area and make a log-linear interpolation using the drainage area at the ungaged site to determine the discharge.

FLOOD FREQUENCY FOR LARGE STREAMS

The flood frequency of streams having natural flow and drainage areas of more than 1,000 mi^2 is discussed in the following paragraphs. Several of these streams may have some minor regulation that does not materially affect the annual peak discharges. Large streams that have extensive regulation are discussed in a subsequent section of this report.

Broad River

The Broad River is contained within Region 2, the Piedmont province, and flows into the Savannah River. The U.S. Department of Agriculture, Soil Conservation Service reservoirs regulate flood flows in the upper reaches, but the regulation probably is not significant for the larger drainage areas. The relation of flood discharge to drainage area for selected frequencies for the Broad River, shown in figure 12, is based on the records of long-term gaging stations near Bell (station 02192000) and at Carlton (station 02191300).

Ogeechee River

The Ogeechee River lies almost entirely within Region 3 of the Coastal Plain. It heads in Region 2 of the Piedmont province and flows south through Regions 3 and 4 into the Atlantic Ocean. The slope of the curve relating flood frequency to drainage area is small in the lower reaches of the Ogeechee River because of the large amount of natural swamp storage. The relation of flood discharge to drainage area for selected frequencies for the Ogeechee River, shown in figure 13, is based mainly on the records of long-term gaging stations at Scarboro (station 02202000) and near Eden (station 02202500). The relation of flood discharge to drainage area below the Canoochee River has been estimated, based on records for the long-term gaging station near Eden and the slopes of the Region 3 flood-frequency regression curves.

Canoochee River

The Canoochee River lies entirely within Region 3 of the Coastal Plain and is tributary to the Ogeechee River. Flood peaks in the lower reaches are affected by swamp storage. The relation of flood discharge to drainage area for selected frequencies for the Canoochee River, shown in figure 14, is estimated, based on the Region 3 regression equation. The relation of the flood frequencies to drainage area for the gaging station on the Canoochee River near Claxton (station 02203000) agrees closely with the Region 3 regression equations.

Ocmulgee River

The Ocmulgee River begins at the confluence of the South and Alcovy Rivers in Region 2, and flows south through the Sand Hills area, Region 4, into Region 3 where it joins with the Oconee River to form the Altamaha River.

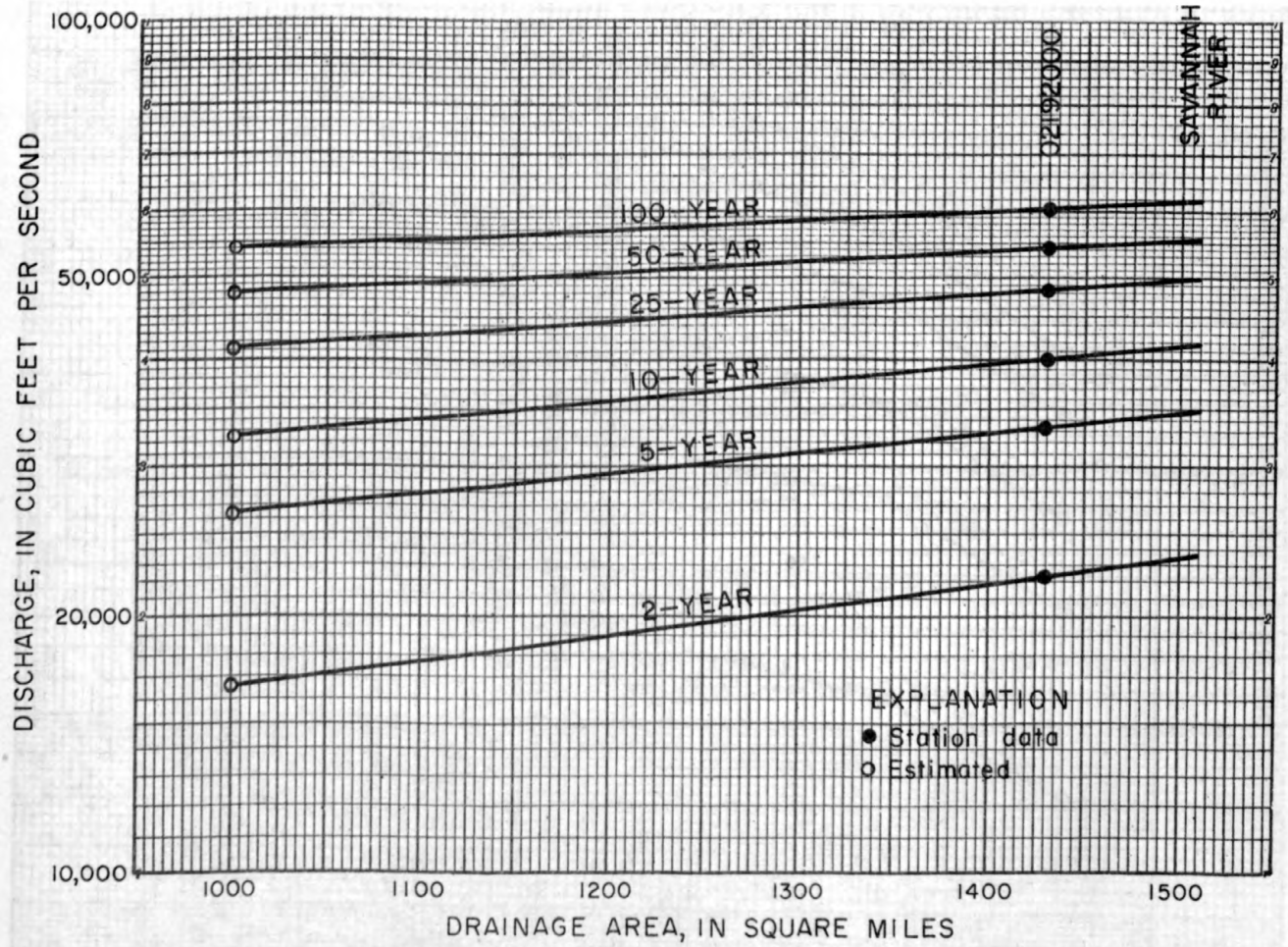

Figure 12.—Relation of flood discharge to drainage area for selected frequencies on main stem of Broad River.

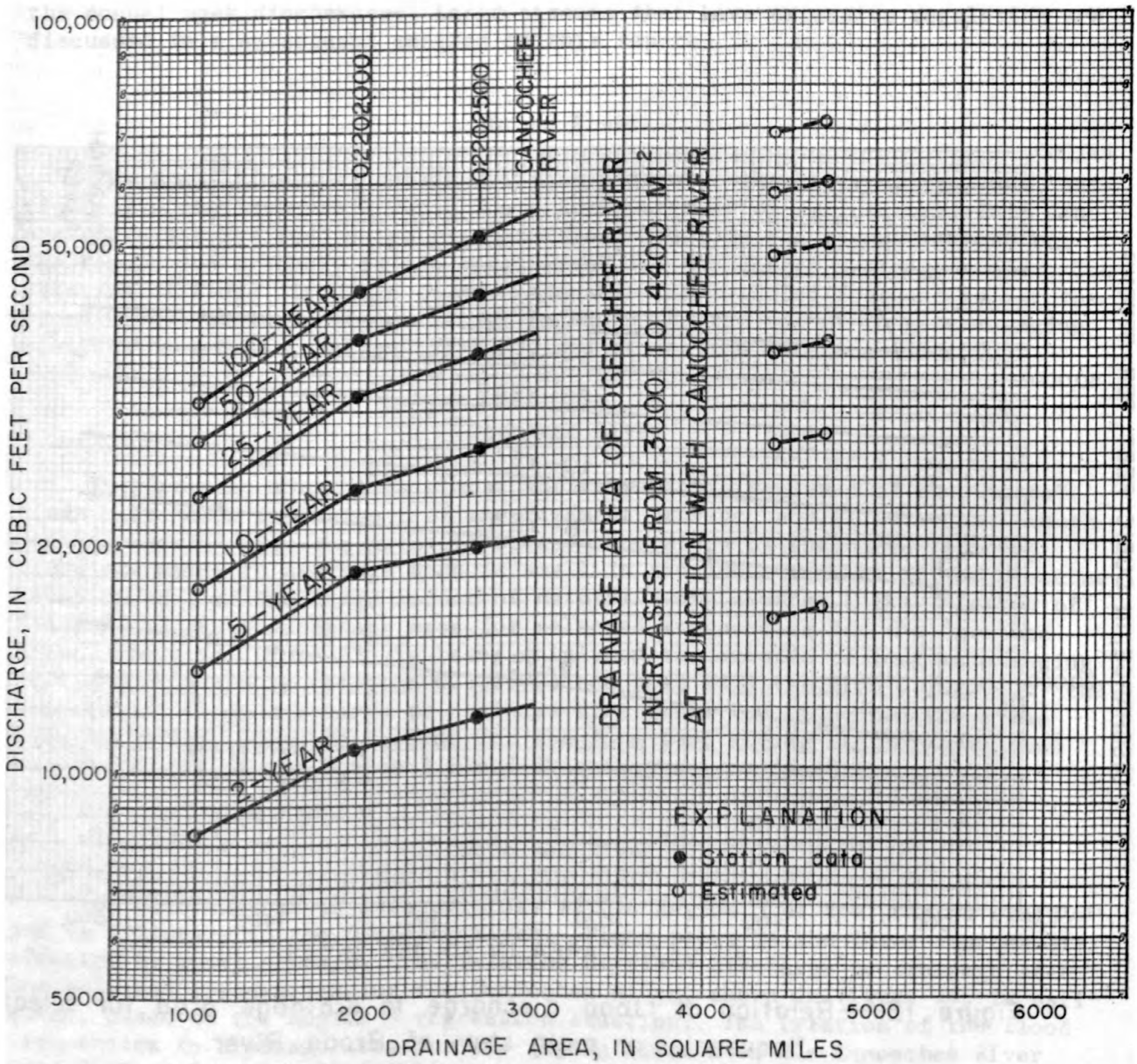

Figure 13.—Relation of flood discharge to drainage area for selected frequencies on main stem of Ogeechee River.

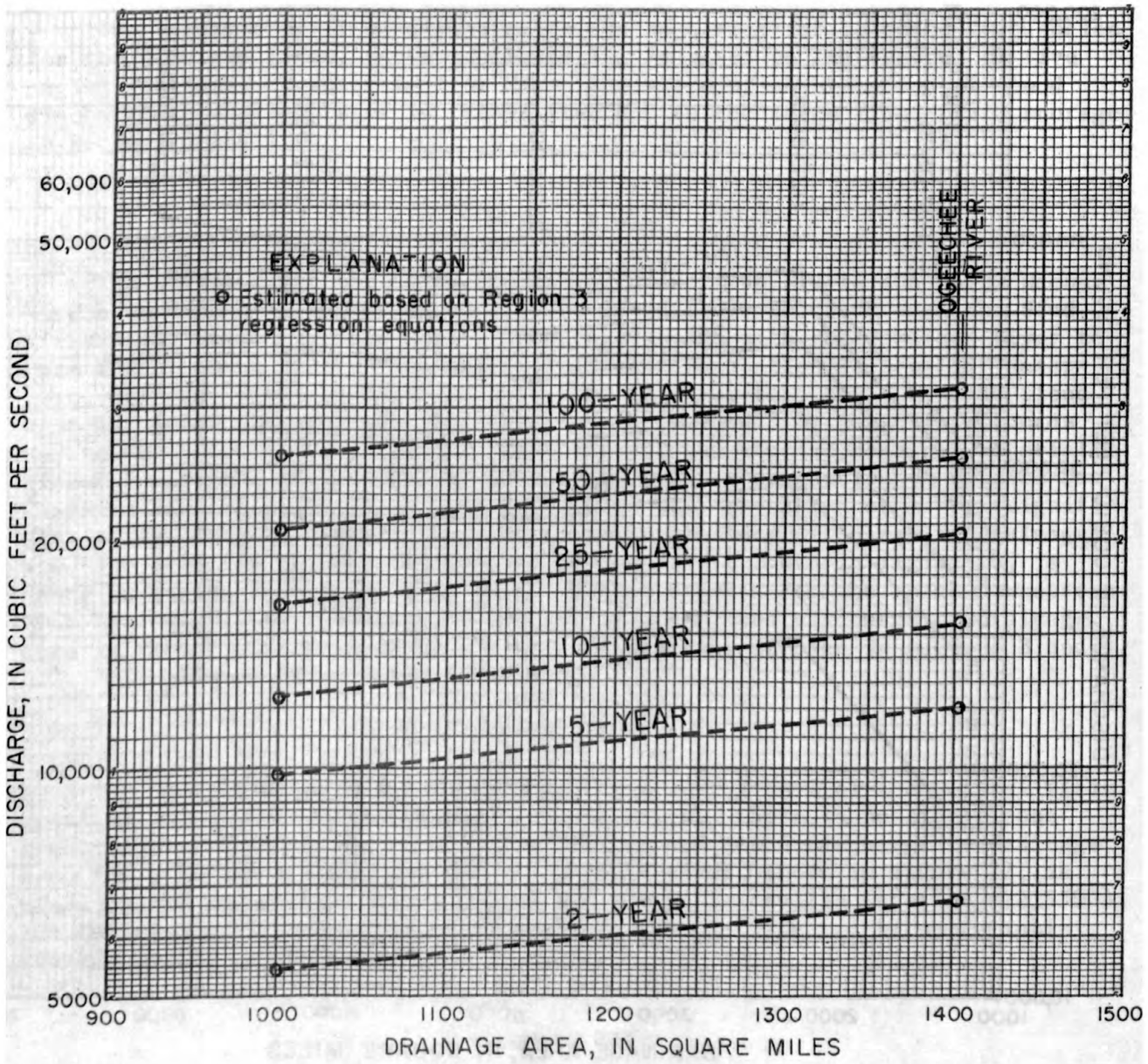

Figure 14.—Relation of flood discharge to drainage area for selected frequencies on main stem of Canoochee River.

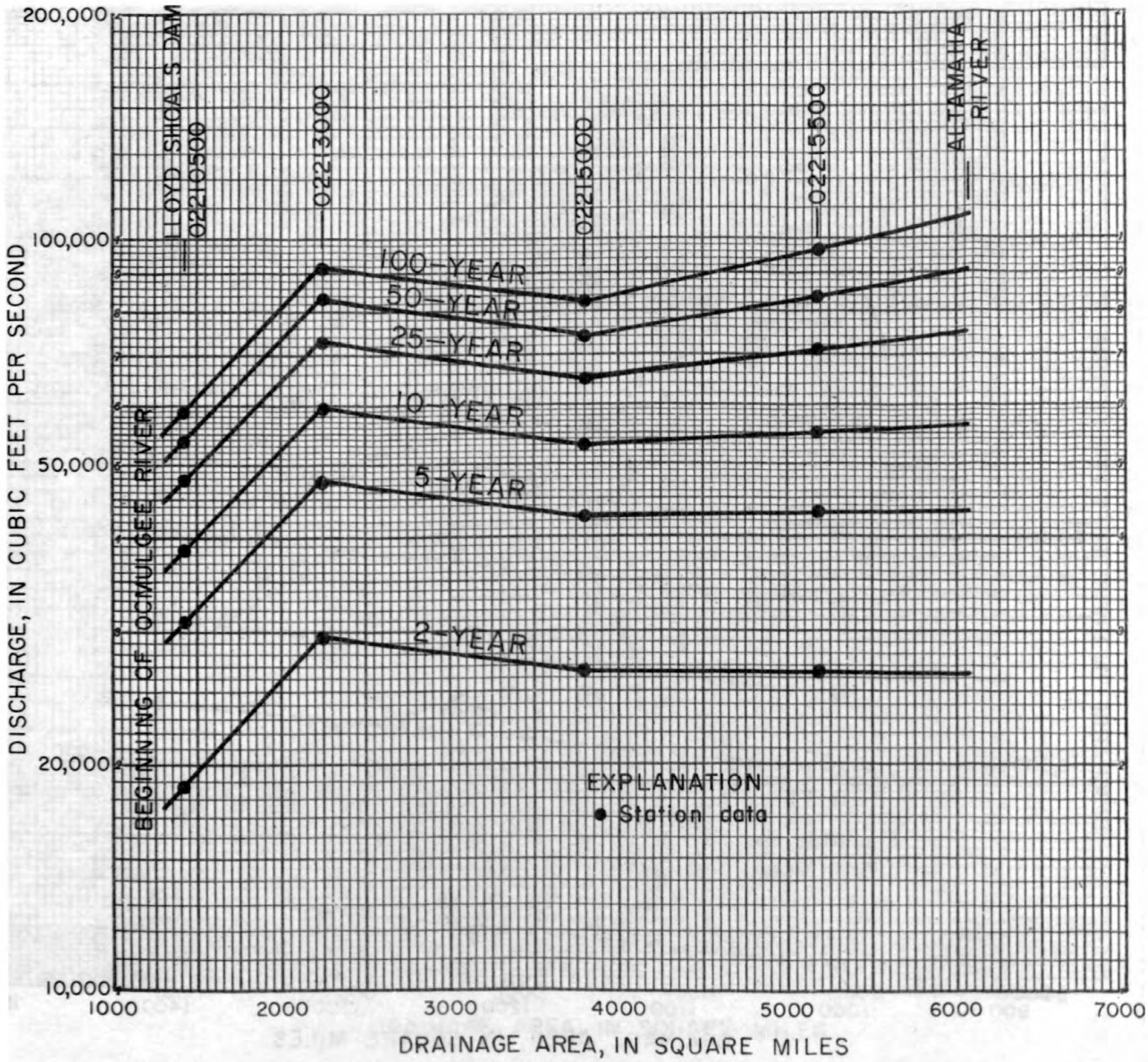

Figure 15.—Relation of flood discharge to drainage area for selected frequencies on main stem of Ocmulgee River.

The only major manmade regulation is Lloyd Shoals Dam, drainage area 1,400 mi^2, constructed in 1910, which has maximum flood storage of approximately 20,000 acre-ft. The regulation from Lloyd Shoals Dam probably does not significantly affect most annual peak flows downstream from Macon.

The relation of flood discharge to drainage area for selected frequencies for the Ocmulgee River, shown in figure 15, is based on the records of five gaging stations. Downstream from Macon the slope of the relation of flood discharge to drainage area is rather flat due to the large flood-plain storage in Regions 3 and 4.

Oconee River

The Oconee River begins at the confluence of the Middle and North Oconee Rivers in Region 2, the Piedmont province, and flows south through the Sand Hills area, Region 4, into Region 3 where it joins with the Ocmulgee River to form the Altamaha River. The only significant regulation is Sinclair Reservoir, drainage area 2,900 mi^2, constructed in 1952, that has a maximum flood storage of approximately 200,00 acre-ft. On the basis of peak-flow records before and after Sinclair Dam was constructed, the storage does not materially affect the higher frequency peak discharges. The construction of Wallace Dam (underway in 1977), drainage area 1,830 mi^2, will probably not have a significant affect on peak discharges. The relation of flood discharge to drainage area for selected frequencies for the Oconee River, shown in figure 16, is based on gaging-station records on the Oconee River. For the reach downstream from Milledgeville, the slope of the relation of flood discharge to drainage area is rather flat because of the large floodplain stroage in Regions 3 and 4.

Ohoopee River

The Ohoopee River heads in the upper end of Region 3 of the Coastal Plain province and flows south into the Altamaha River. There is no significant regulation on the Ohoopee River. The relation of flood discharge to drainage area for selected frequencies for the Ohoopee River, shown in figure 17, is based on the long-term gaging station records at Reidsville (station 02225500). The relation of flood discharge to drainage area is affected by appreciable storage on the flood plain.

Altamaha River

The Altamaha River begins at the confluence of the Oconee and Ocmulgee Rivers in Region 3, and flows southeast into the Atlantic Ocean. There is no significant regulation, except that the peak discharges are affected by large amounts of storage on the flood plain. The relation of flood discharge to drainage area for selected frequencies for the Altamaha River, shown in figure 18, is based on the long-term gaging station records at Doctortown (station 02226000).

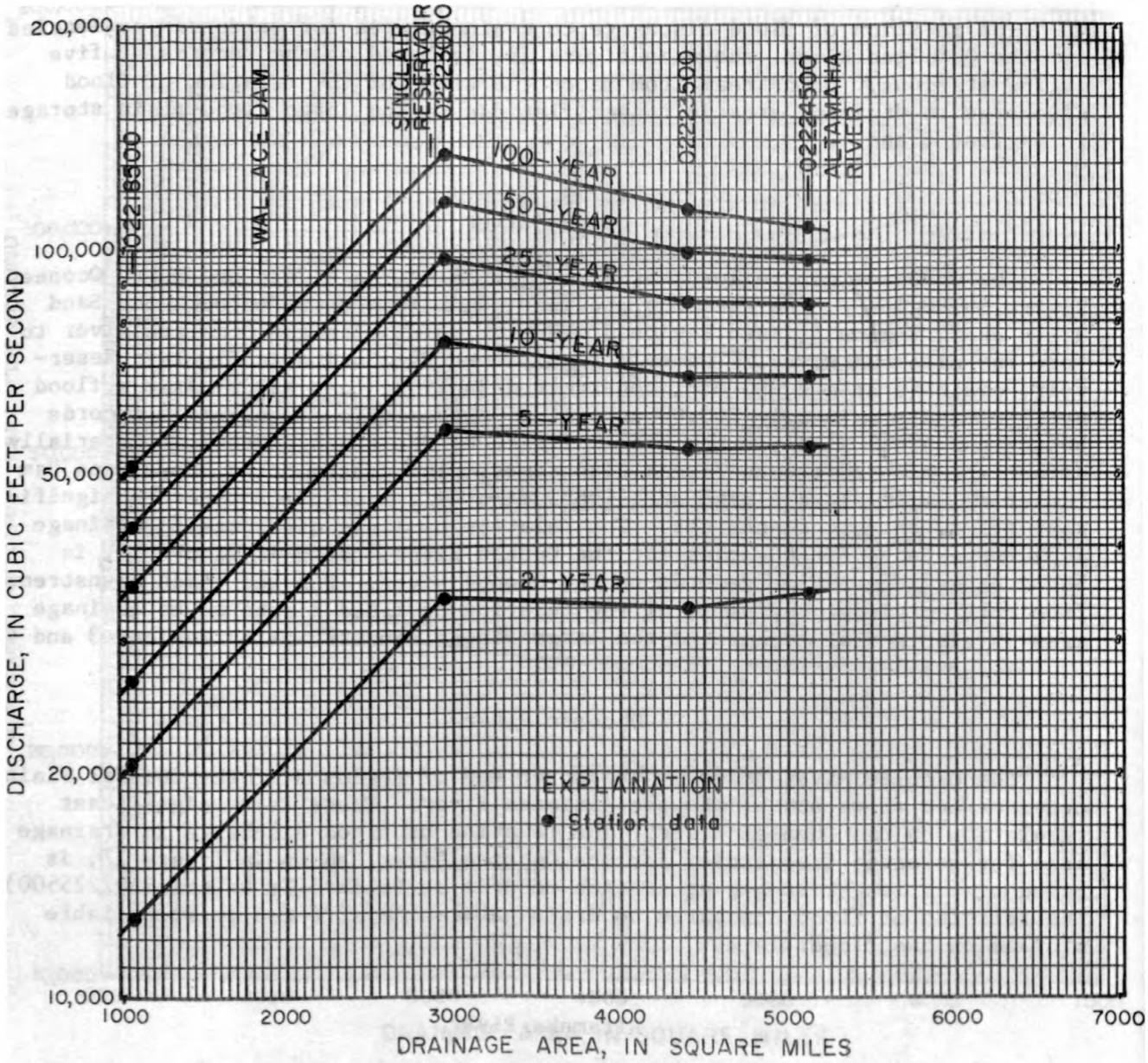

Figure 16.—Relation of flood discharge to drainage area for selected frequencies on main stem of Oconee River.

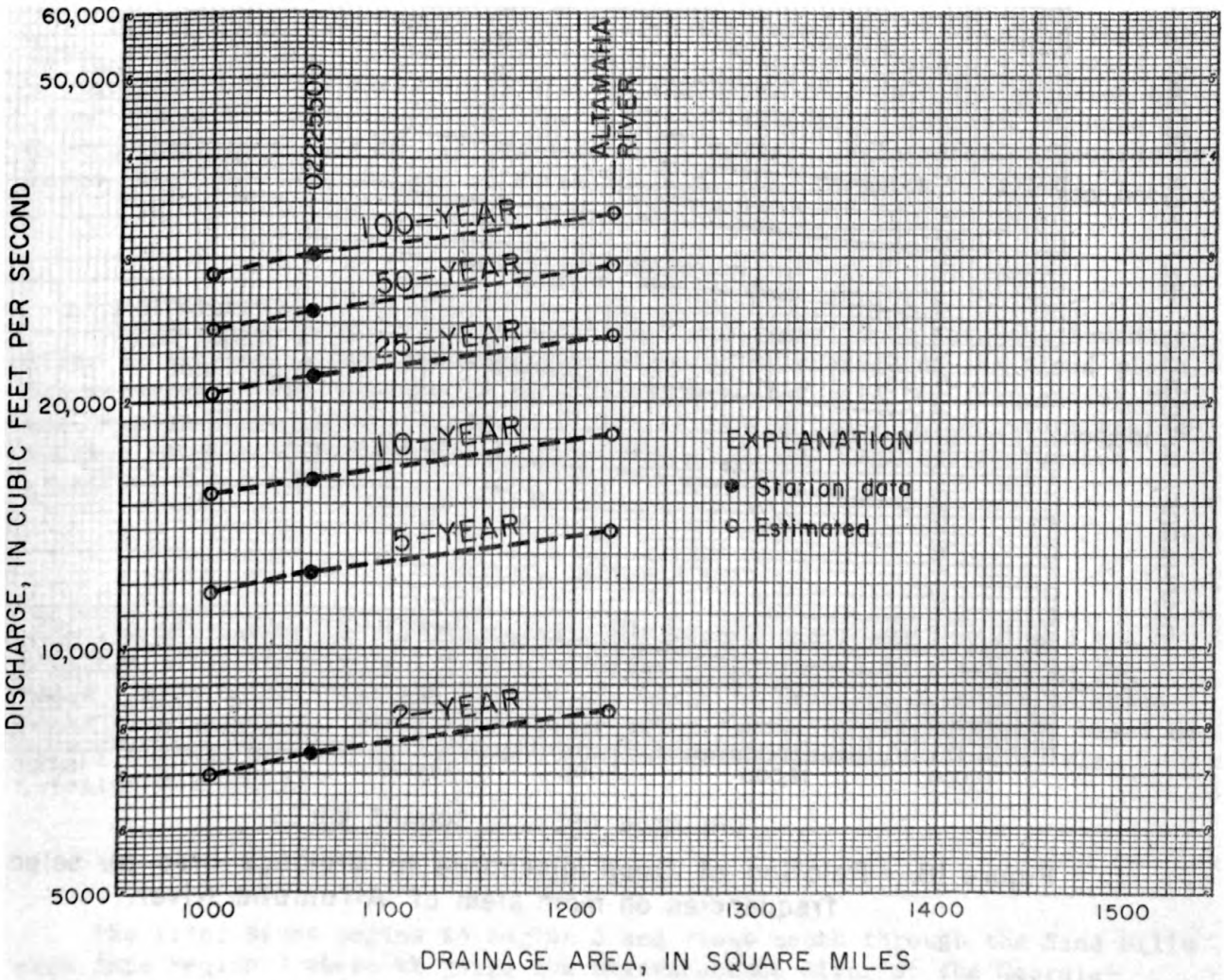

Figure 17.—Relation of flood discharge to drainage area for selected frequencies on main stem of Ohoopee River.

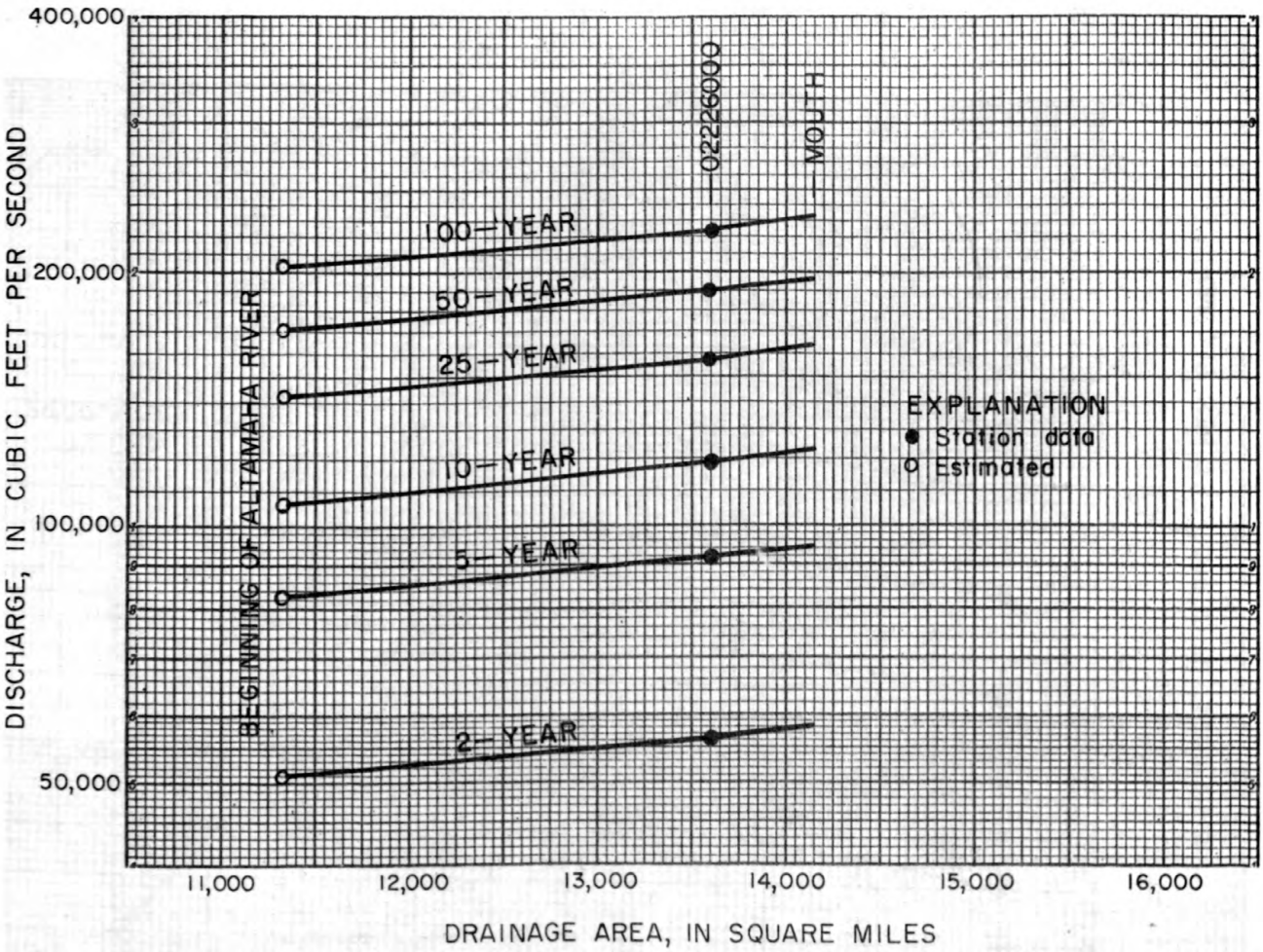

Figure 18.—Relation of flood discharge to drainage area for selected frequencies on main stem of Altamaha River.

Satilla River

The Satilla River, which is completely within Region 3, flows into the Atlantic Ocean. There is no significant regulation, except that the peak discharges are affected by appreciable storage on the flood plain. The relation of flood discharge to drainage area for selected frequencies for the Satilla River, shown in figure 19, is based on long-term gaging-station records near Waycross (station 02226500) and at Atkinson (station 02228000).

Suwannee River

The Suwannee River heads in the Okefenokee Swamp and flows south through Georgia and Florida into the Gulf of Mexico. Peak discharges are affected significantly by the large swamp area in the upper reaches. The relation of flood discharge to drainage area for selected frequencies for the Suwannee River, shown in figure 20, is based on the long-term gaging-station records at Fargo (station 02314500) and at White Springs, Fla. (station 02315500).

Alapaha River

The Alapaha River lies within Region 3 and flows south into the Suwannee River in Florida. Peak discharges are affected by storage on the flood plain. The relation of flood discharge to drainage area for selected frequencies for the Alapaha River, shown in figure 21, is estimated based on long-term gaging-station records at Statenville (station 02317500) and Region 3 regression equations for 1,000 mi^2.

Withlacoochee River

The Withlacoochee River lies within Region 3 and flows south into the Suwannee River in Florida. Peak discharges are affected by storage on the flood plains. The relation of flood discharge to drainage area for selected flood frequencies for the Withlacoochee River, shown in figure 22, is based on gaging station records at Quitman (station 02318500) and at Pinetta, Fla. (station 02319000).

Flint River

The Flint River begins in Region 2 and flows south through the Sand Hills area into Region 3 where it joins the Chattahoochee River at the Georgia-Florida State line to form the Apalachicola River. The only regulation is from Georgia Power Company reservoirs at Crisp County Dam (Lake Blackshear) and Lake Worth, which do not have sufficient storage to affect the higher frequency flood discharges. The relation of flood discharge to drainage area for selected frequencies for the Flint River, shown in figure 23, is based on gaging-station records for seven stations. For the reach downstream from

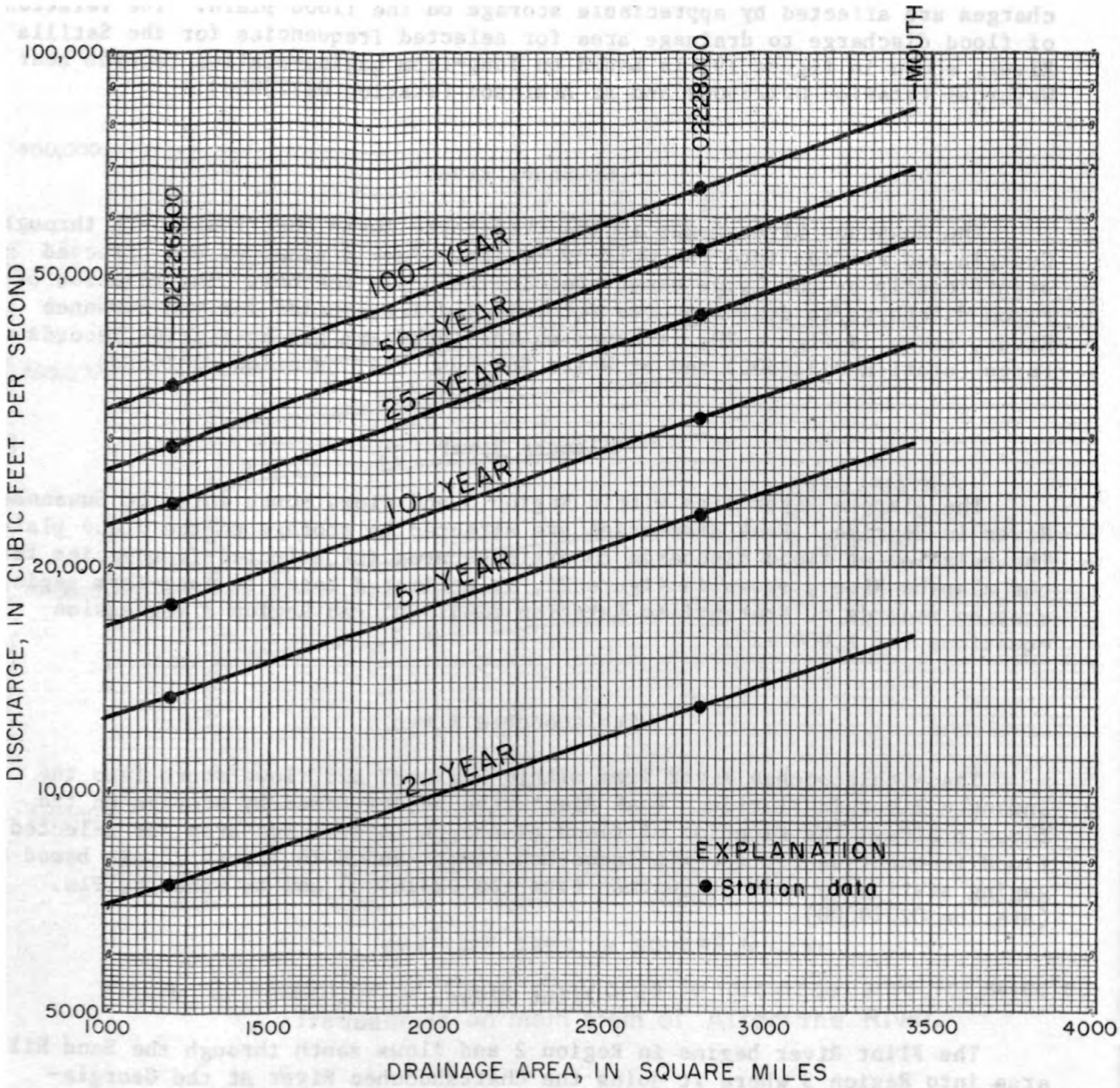

Figure 19.—Relation of flood discharge to drainage area for selected frequencies on main stem of Satilla River.

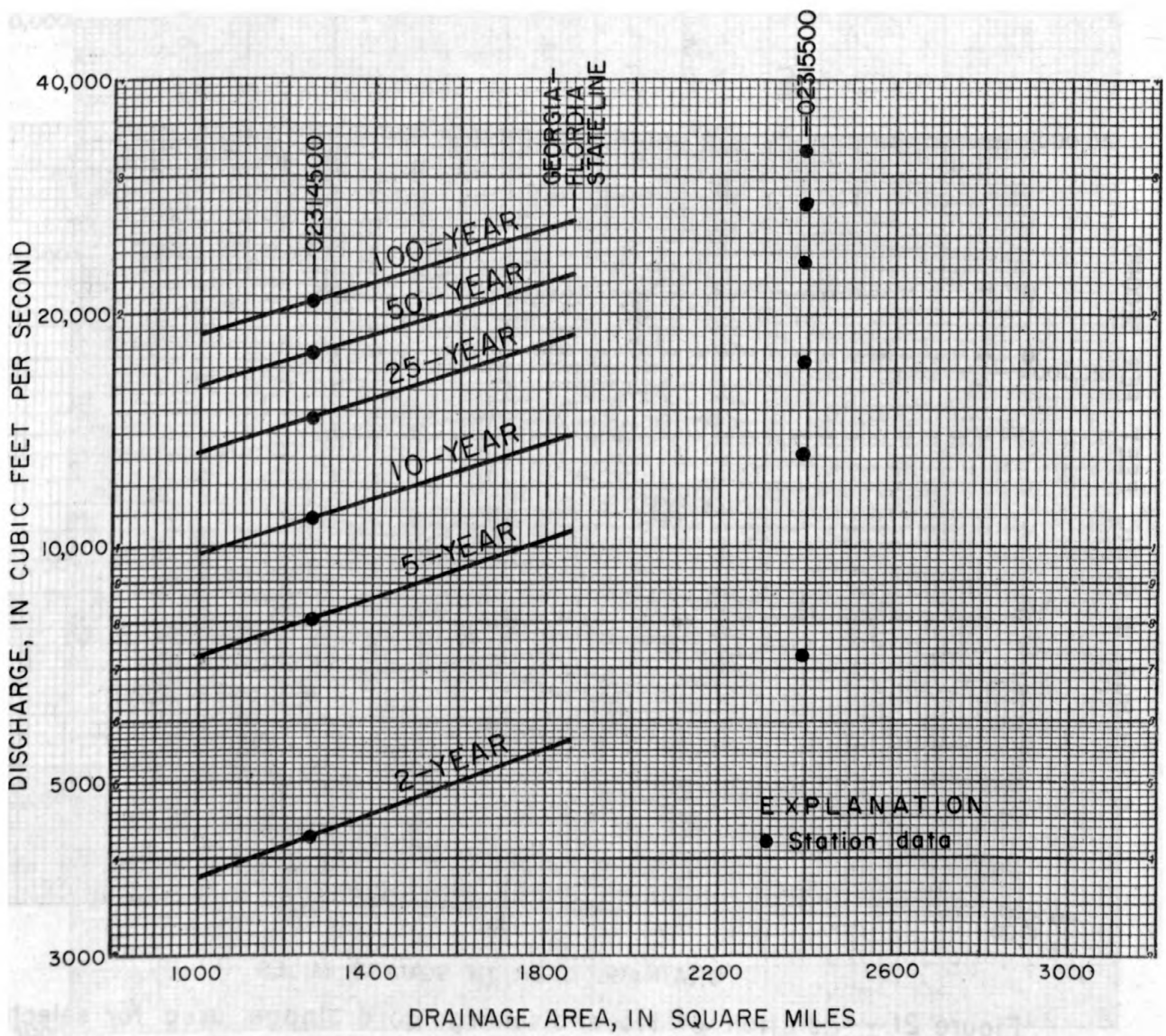

Figure 20.—Relation of flood discharge to drainage area for selected frequencies on main stem of Suwannee River.

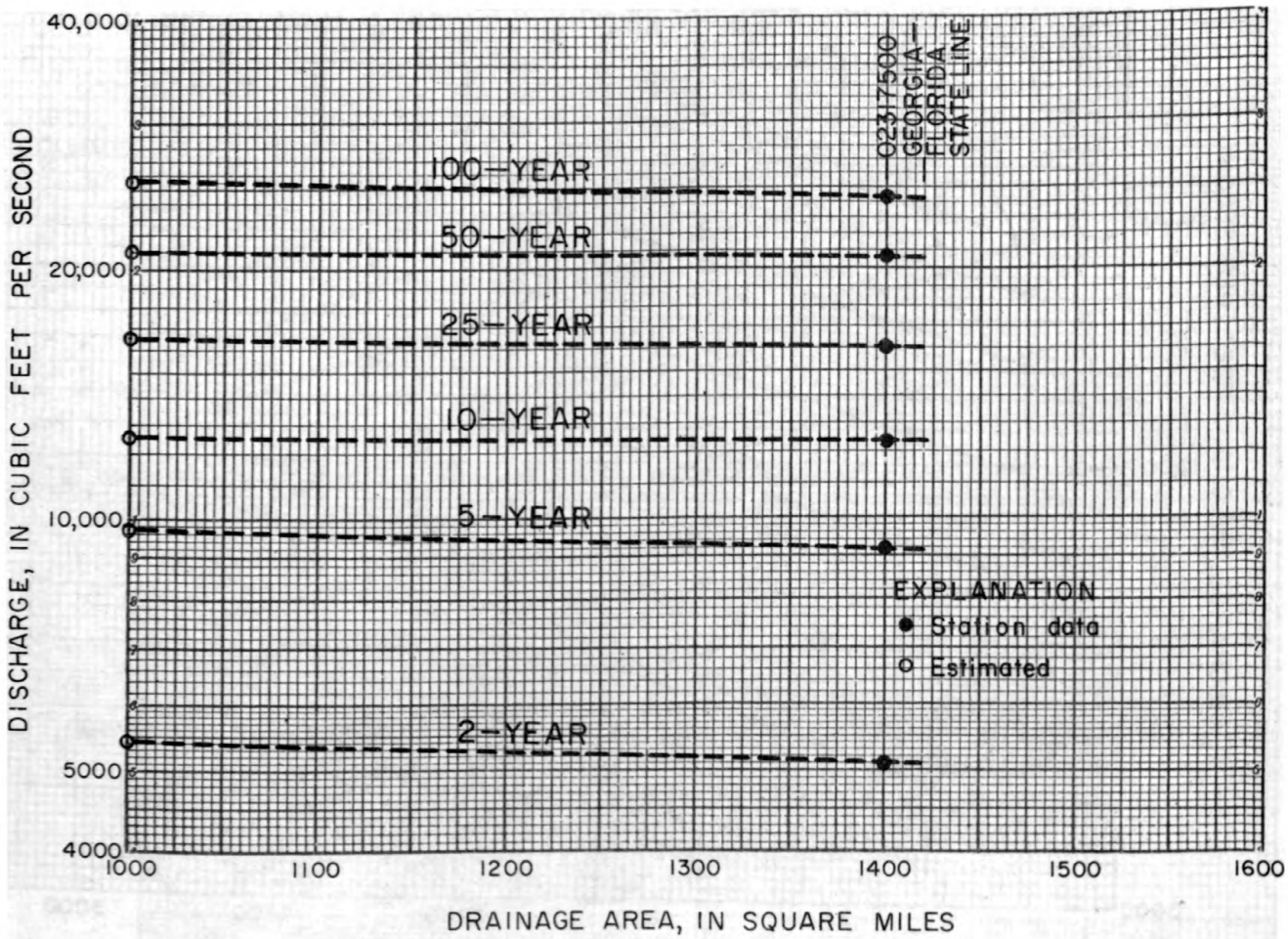

Figure 21.—Relation of flood discharge to drainage area for selected frequencies on main stem of Alapaha River.

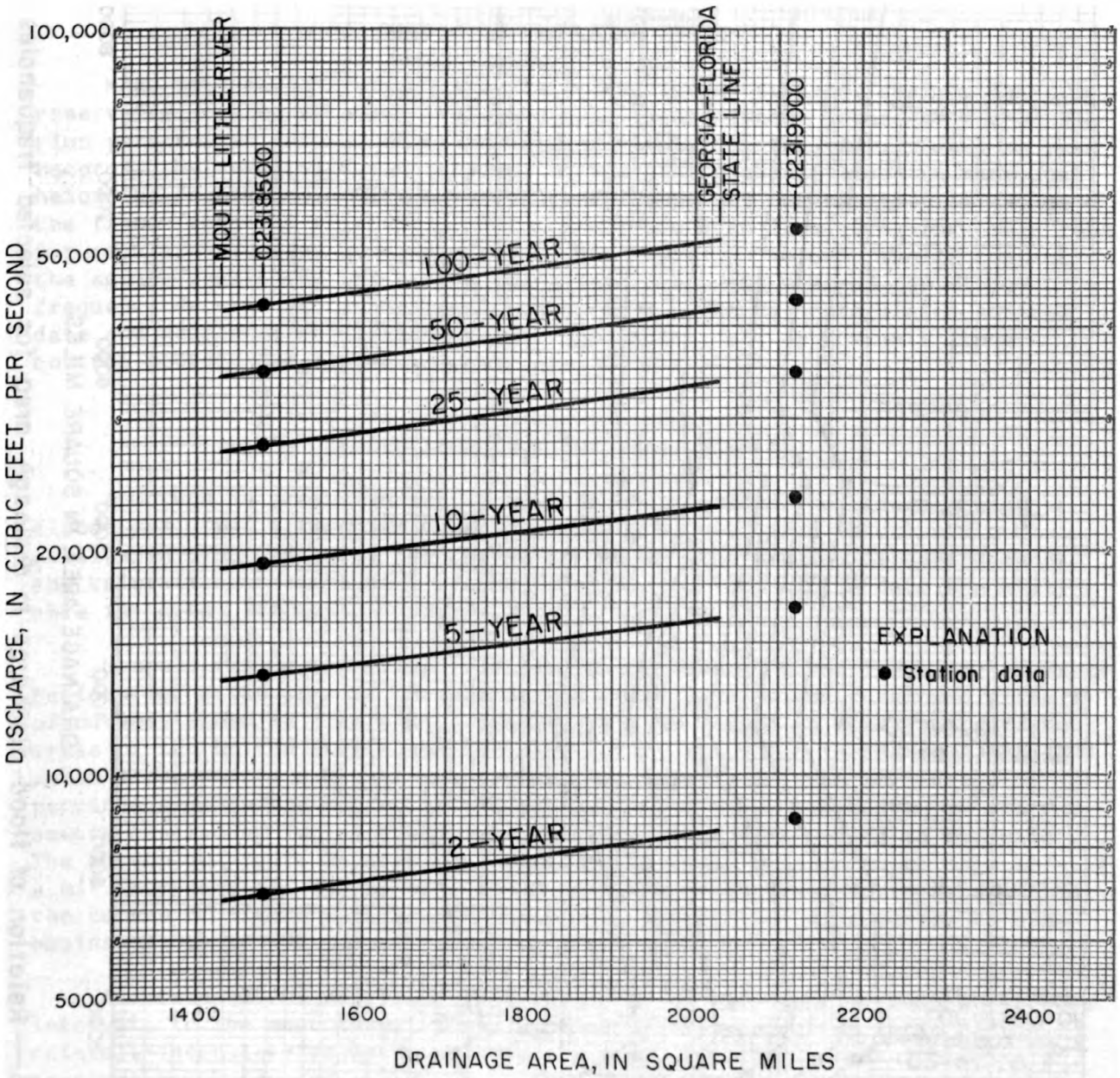

Figure 22.—Relation of flood discharge to drainage area for selected frequencies on main stem of Withlacoochee River.

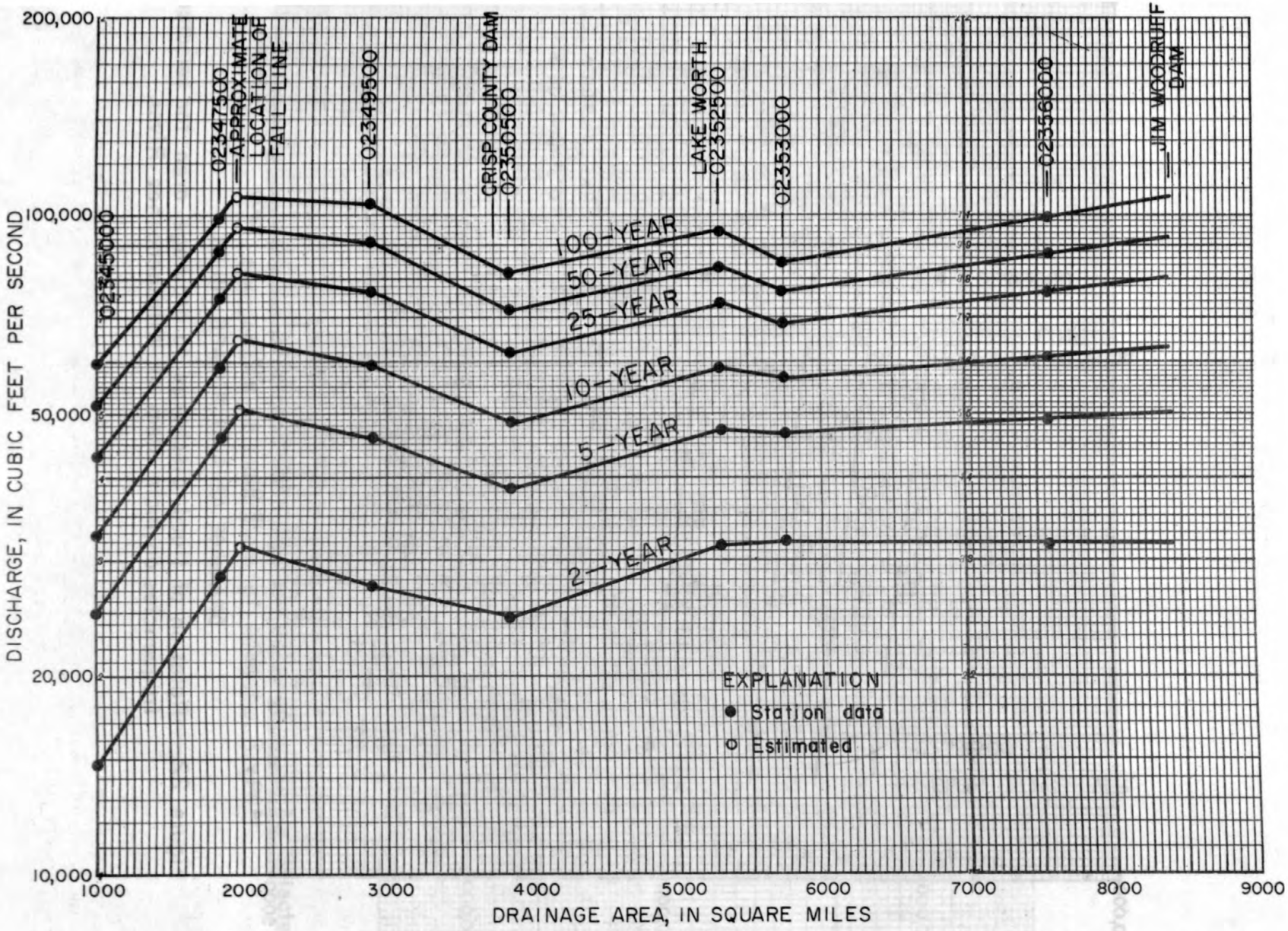

Figure 23.—Relation of flood discharge to drainage area for selected frequencies on main stem of Flint River.

Region 2 (at drainage area about 2,000 mi^2) to the mouth, the slope of the curve relating flood discharge to drainage area is rather flat because of storage in the wide flood plain.

FLOODS ON REGULATED STREAMS

Many streams in Georgia, especially the larger streams, are regulated by reservoirs. Flood-frequency relations for these streams depend on the regulation patterns as determined by the agency regulating the flow. Based on past records, the regulation patterns may be subject to change based on water use below the reservoirs. Likewise, construction of new reservoirs will change the flood-frequency relations. For these reasons no flood-frequency relations for regulated streams are included in this report. The user should contact the agency regulating the stream where information is desired for flood-frequency determinations on regulated streams. The major regulated streams, date and source of regulation, regulating agency, and approximate flood-control storage are listed in table 4.

FLOOD FREQUENCY FOR URBAN STREAMS

A method is presented for estimating the magnitude and frequency of floods for urban streams in Georgia. The method is based on urban flood studies in other parts of the United States and the natural flood-frequency and rainfall characteristics of the local area. Very little data are available for urban streams in Georgia.

Leopold (1968) summarized the results of several flood-frequency investigations for urban streams throughout the United States and developed a family of curves, shown in figure 24. These curves are based on data from different areas of the United States and define a ratio, R_L, which is the mean annual urban flood, divided by the mean annual natural flood. The percentage of impervious area in the basin and the percentage of the basin served by storm sewers (including improved channels) are the parameters needed to estimate R_L. The curves in figure 24 were developed on the basis of a unit drainage area of 1 mi^2 from data for basins of 1 to 40 mi^2. For this study it is assumed that the curves of figure 24 are applicable with little loss of accuracy to urban basins of 0.1 to 100 mi^2.

Anderson (1970) suggested that the ratio of floods of various recurrence intervals to the mean annual flood approached the respective ratio of the rainfall-intensity-frequency relations as the impervious area of the basin approaches 100 percent.

Sauer (1974) combined a summary of data and methods from the Leopold and Anderson reports with local rainfall-intensity data and natural-flow flood-frequency data to define urban flood-frequency data for Oklahoma. This report adopts Sauer's method to Georgia by use of rainfall-intensity records collected in Georgia.

Table 4.—Data for major regulated streams in Georgia.

Stream	Region	Regulating structure	Date constructed	Operating agency	Approximate flood-control storage (acre-feet)
Tallulah River	1	Lake Burton	1920	Georgia Power Company	106,000
		Lake Seed	1926	Georgia Power Company	small
		Mathis Reservoir	1924	Georgia Power Company	23,000
Tugaloo River	1	Tugaloo Lake	1923	Georgia Power Company	small
		Lake Yonah	1925	Georgia Power Company	small
		Peak flows are also affected by structures on Tallulah River.			
Savannah River	1,2,3,4	Hartwell Lake	1961	U.S. Army Corps of Engineers	1,700,000
		Clark Hill Lake	1952	U.S. Army Corps of Engineers	1,700,000
		Richard B. Russell Lake	Proposed 1977	U.S. Army Corps of Engineers	--
Chattahoochee River	1,2,3,4	Lake Sidney Lanier	1956	U.S. Army Corps of Engineers	637,000
		West Point Lake	1974	U.S. Army Corps of Engineers	400,000
		Morgan Falls Dam	1946	U.S. Army Corps of Engineers	small
		Lake Harding	1929	Georgia Power Company	50,000
		Walter F. George Lake	1962	U.S. Army Corps of Engineers	200,000
Coosawattee River	1	Carters Lake	1974	U.S. Army Corps of Engineers	230,000
		Carters Re-regulation Dam	1974	U.S. Army Corps of Engineers	small
Oostanaula River	1	Peak flows affected by structures on Coosawattee River.			
Etowah River	1,2	Allatoona Lake	1949	U.S. Army Corps of Engineers	587,000
Coosa River	1,2	Peak flows affected by structures on Coosawattee and Etowah Rivers.			
Hiwassee River	1	Lake Chatuge	1942	Tennessee Valley Authority	220,000
Nottely River	1	Nottely Lake	1942	Tennessee Valley Authority	162,000
Toccoa River	1	Blue Ridge Lake	1930	Tennessee Valley Authority	184,000

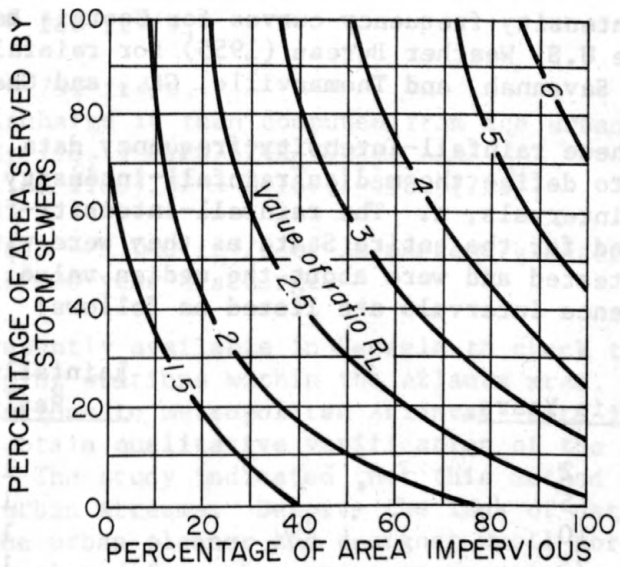

Figure 24.—Urban adjustment ratio, R_L for mean annual flood. (From Leopold, 1968, and Sauer, 1974)

Sauer's method uses the following general equation to compute the urban peak discharge, $Q_{n(u)}$, for recurrence interval, n.

$$Q_{n(u)} = \frac{7\ R_n\ Q_2\ (R_L-1)}{6} + \frac{Q_n(7-R_L)}{6} \qquad (12)$$

where R_n is the median rainfall-intensity ratio for recurrence interval, n,
Q_2 is the 2-year natural discharge,
R_L is the urban adjustment ratio for the mean annual flood,
and
Q_n is natural flood discharge for recurrence interval, n.

The maximum value of R_L = 7, as indicated by figure 24, can be used to compute a theoretical upper limiting flood-frequency curve for a fully developed basin. The flood-frequency curve for a natural condition (R_L = 1) defines the lower limiting flood-frequency curve. Flood-frequency curves for intermediate degrees of development can be interpolated on the basis of R_L.

The urban adjustment ratio developed by Leopold and used by Sauer was based on analyses using the mean annual flood. Current use of log-Pearson Type III flood-frequency analysis has resulted in a change to the 2-year recurrence-interval flood as the base flood. For rural Georgia streams, the 2-year flood is approximately 0.9 the mean annual flood. Because of the numerous uncertainties and assumptions utilized in this analysis, the urban adjustment ratios (fig. 24) defined by the mean annual flood have not been adjusted to the 2-year flood.

Rainfall-intensity-frequency curves for Georgia have been developed and published by the U.S. Weather Bureau (1955) for rainfall stations at Atlanta, Augusta, Macon, Savannah, and Thomasville, Ga., and Chattanooga, Tenn.

Based on these rainfall-intensity-frequency data, the Atlanta rainfall data were used to define the median rainfall-intensity ratios, R_n, for selected recurrence intervals, n. The rainfall-intensity-frequency values for Atlanta were used for the entire State as they were within 15 percent of the other stations tested and were about the median value. The R_n ratios for the selected recurrence intervals are listed as follows:

N, in Years	Rainfall-Intensity Ratio, R_n
2	1.00
5	1.31
10	1.50
25	1.72
50	1.94
100	2.12

It is assumed that the flood-frequency curve for a basin that is fully developed, 100-percent impervious, and 100-percent storm sewered would have the same ratios, R_n, as the rainfall-intensity-frequency relations.

Using the appropriate R_n ratios in equation 12 results in the following flood-frequency equations for urban areas in the five hydrologic regions in Georgia.

$$Q_{2(u)} = R_L Q_2$$
$$Q_{5(n)} = 1.53(R_L-1)Q_2 + 0.167(7-R_L) Q_5$$
$$Q_{10(n)} = 1.75(R_L-1)Q_2 + 0.167(7-R_L) Q_{10}$$
$$Q_{25(u)} = 2.01(R_L-1)Q_2 + 0.167(7-R_L) Q_{25}$$
$$Q_{50(u)} = 2.26(R_L-1)Q_2 + 0.167(7-R_L) Q_{50}$$
$$Q_{100(u)} = 2.47(R_L-1)Q_2 + 0.167(7-R_L) Q_{100}$$

where Q_2, Q_5, Q_{10}, Q_{25}, Q_{50}, and Q_{100} are from the regression equations given in table 2.

The following example is given to illustrate the use of the urban equations. It is desired to know the 100-year discharge for an urban stream in Hydrologic Region 3, which has the following parameters.

Example 4. -- Computation of discharge for urban streams.

Location: Hydrologic Region 3
Drainage area: 3 mi^2
Amount of basin impervious: 30 percent
Amount of basin served by storm sewers: 20 percent
R_L = 1.85 (from figure 24)

Using the Region 3 regression equation from table 2,

$$Q_2 = 99A^{.58} = 187 \text{ ft}^3/\text{s},$$

and

$$Q_{100} = 384A^{.61} = 751 \text{ ft}^3/\text{s}.$$

The 100-year urban discharge is then computed from the urban equation

$$Q_{100(u)} = 2.47(R_L-1)Q_2 + 0.167(7-R_L)Q_{100},$$

$$Q_{100(u)} = 2.47(1.85-1.00)187 + 0.167(7-1.85)(751),$$

and

$$Q_{100(u)} = 393 + 646 = 1{,}040 \text{ ft}^3/\text{s}$$ or 38 percent greater than the natural 100-year discharge.

The only data presently available in Georgia to check the accuracy of the method are data at gaging stations within the Atlanta area. Golden (1977) adapted the Sauer equations to metropolitan Atlanta. Data from 12 urban streams were used to obtain qualitative verification of the 2- and 100-year estimating equations. The study indicated that this method works reasonably well for the Atlanta urban streams. Despite the lack of data, these relations should be useful to the urban planner and designer until more data are collected and studies are completed for urban areas in Georgia.

RISK IN RELATION TO DESIGN OF STRUCTURES

The design of structures that might be damaged by floods requires a knowledge as to the probability of occurrence of floods. The flood-frequency concept used in this report is the average interval of time within which the given flood will be exceeded once. Thus, during a given 100-year period, a 100-year flood may be exceeded several times or not at all, but on the long-time basis the 100-year flood will be exceeded on an average of once in 100 years. The recurrence interval is a measure of average time between flood exceedences.

The U.S. Water Resources Council (1976) defines risk "***as the probability that one or more events will exceed a given magnitude within a specified period of years. Accepting the flood-frequency data as accurately representing the flood exceedence probability, an estimate of risk may be computed for any selected time period." From the laws of probability, the probability, P_n, of peak flow being exceeded at least once in t years is given by

$$P_n = 1 - (1-1/n)^t, \qquad (13)$$

where n is the recurrence interval of the peak flow, in years, and t is the design period, in years.

An example of a risk computation is given by the following example. What is the probability of a 100-year flood being exceeded at least one time in the next 100 years? From the equation above,

$$P_n = 1 - (1-1/100)^{100} = 1-.37 = 0.63$$

therefore, there is a 63-percent chance of at least one 100-year flood occurring in the next 100 years.

The probabilities of floods of selected recurrence intervals being exceeded during specified time periods are shown in table 5.

Table 5.--Probability of a flood of indicated recurrence interval being exceeded during a specified time period

Recurrence interval of flood (years)	Probability for indicated time periods, in years				
	5	10	25	50	100
5	0.67	0.89	[1]1.0	1.0	1.0
10	.41	.65	.93	.99	1.0
25	.18	.34	.64	.87	.98
50	.10	.18	.40	.64	.87
100	.05	.10	.22	.39	.63

[1] This probability is less than one, but for all practical purposes may be taken as unity.

MAXIMUM FLOODS OF RECORD

Maximum known floods at gaging stations and miscellaneous sites have been plotted against their drainage areas for Regions 1-5 and are shown in figures 25-28. The 100-year flood equations for Regions 1-5 are shown for comparison with the maximum known floods.

The maximum known floods for 65 gaging stations and 35 miscellaneous sites are shown on the plot for Region 1 in figure 25. The average length of flood record for the 65 gaging stations is 36 years. Based on probability, the 100-year flood would be exceeded at 30 percent of the gaging stations. The maximum flood exceeded the 100-year flood in Region 1 at 38 percent of the stations.

The maximum known floods for 94 gaging stations and 11 miscellaneous sites for Region 2 are shown in figure 26. The average length of flood record for the 94 stations is 25 years. Based on probability, the 100-year flood would be exceeded 21 percent of the stations. The maximum floods exceeded the 100-year flood at 25 percent of the stations.

The maximum known flood for 100 gaging stations and two miscellaneous sites in Region 3 are shown in figure 27. The average length of flood record for the 100 gaging stations is 23 years. Based on probability, the 100-year flood would be exceeded at 21 percent of the gaging stations. The maximum floods exceeded the 100-year flood at 28 percent of the stations.

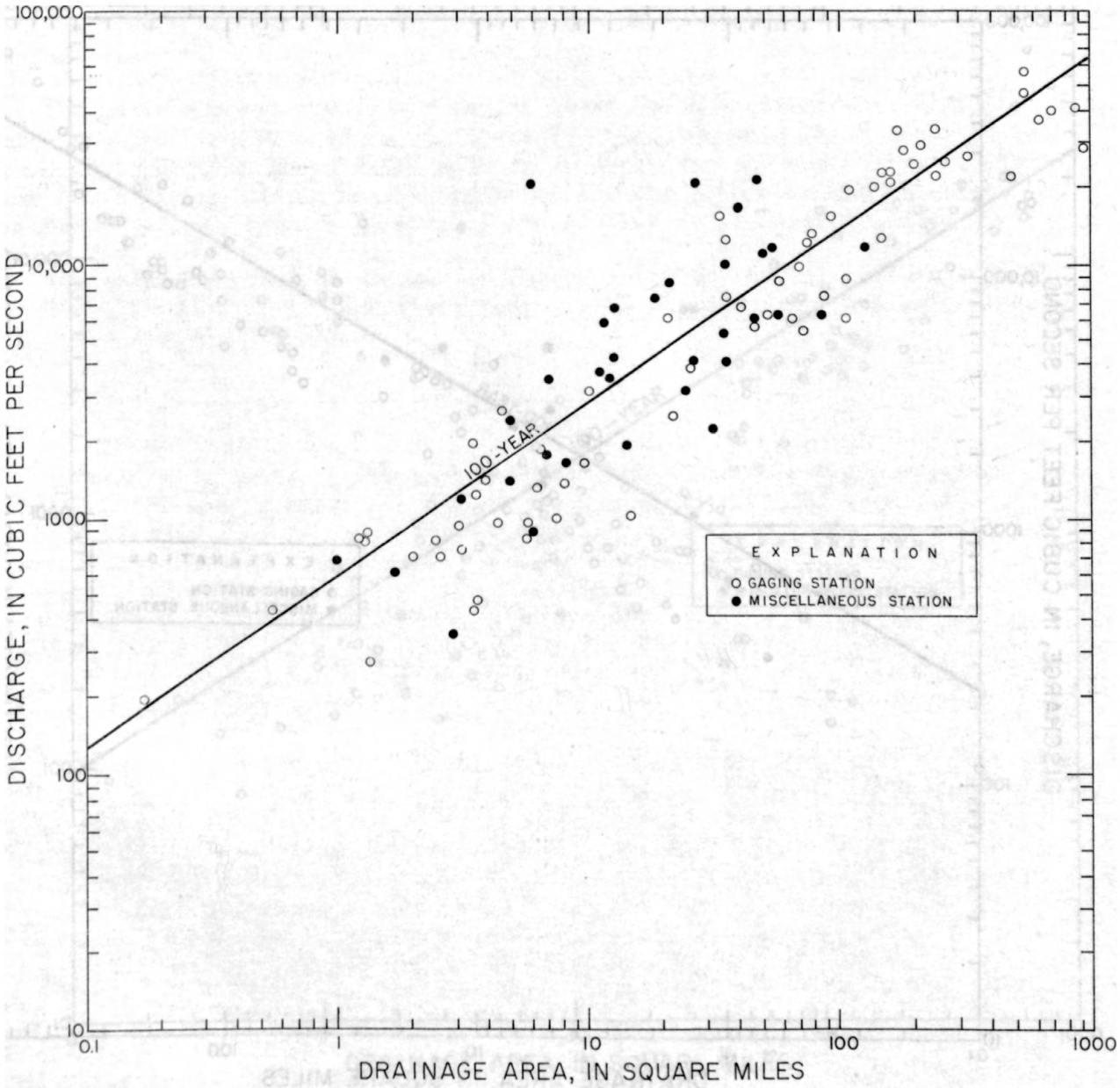

Figure 25.—Relation of maximum known floods to drainage area in Region 1.

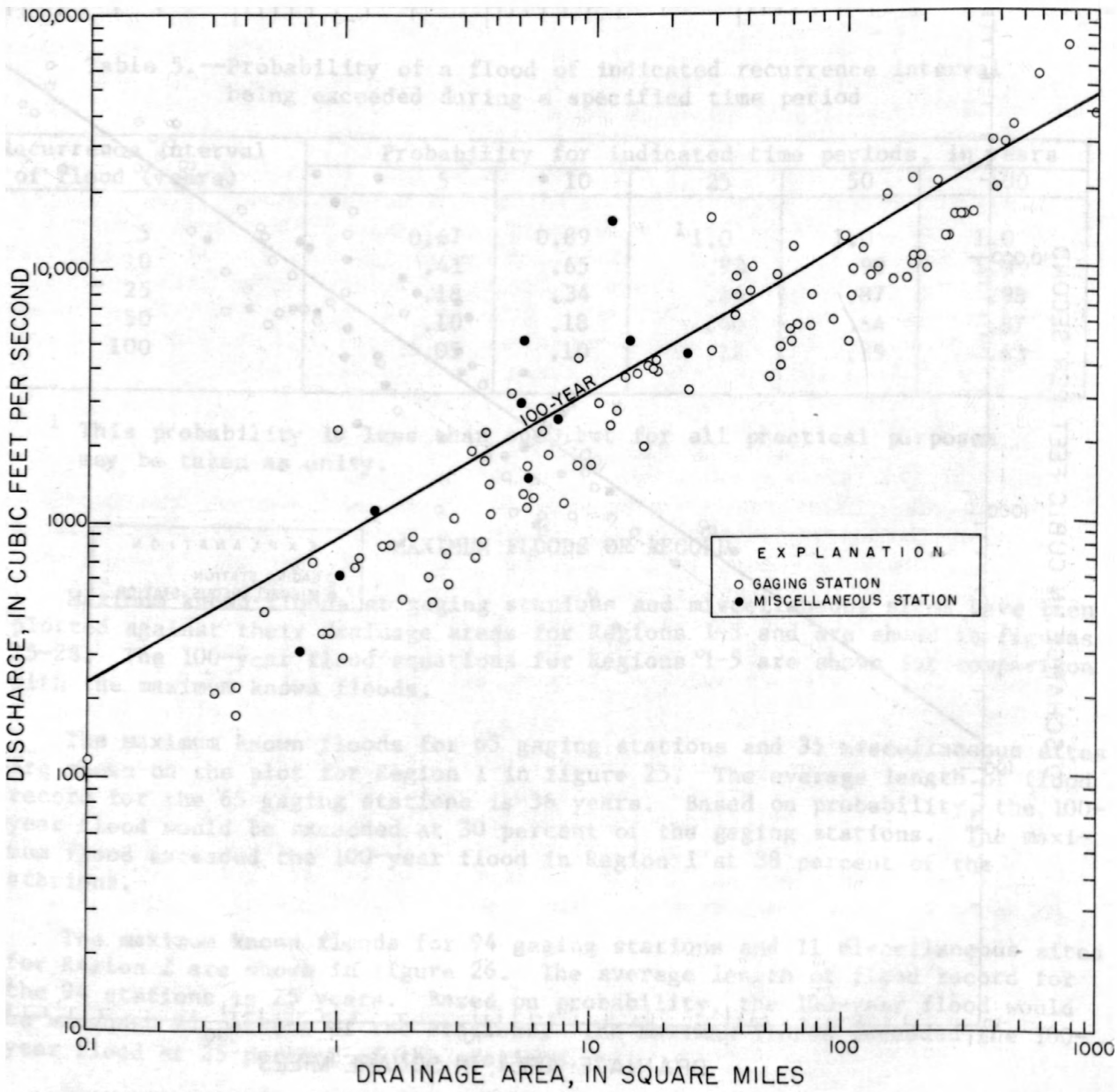

Figure 26.—Relation of maximum known floods to drainage area in Region 2.

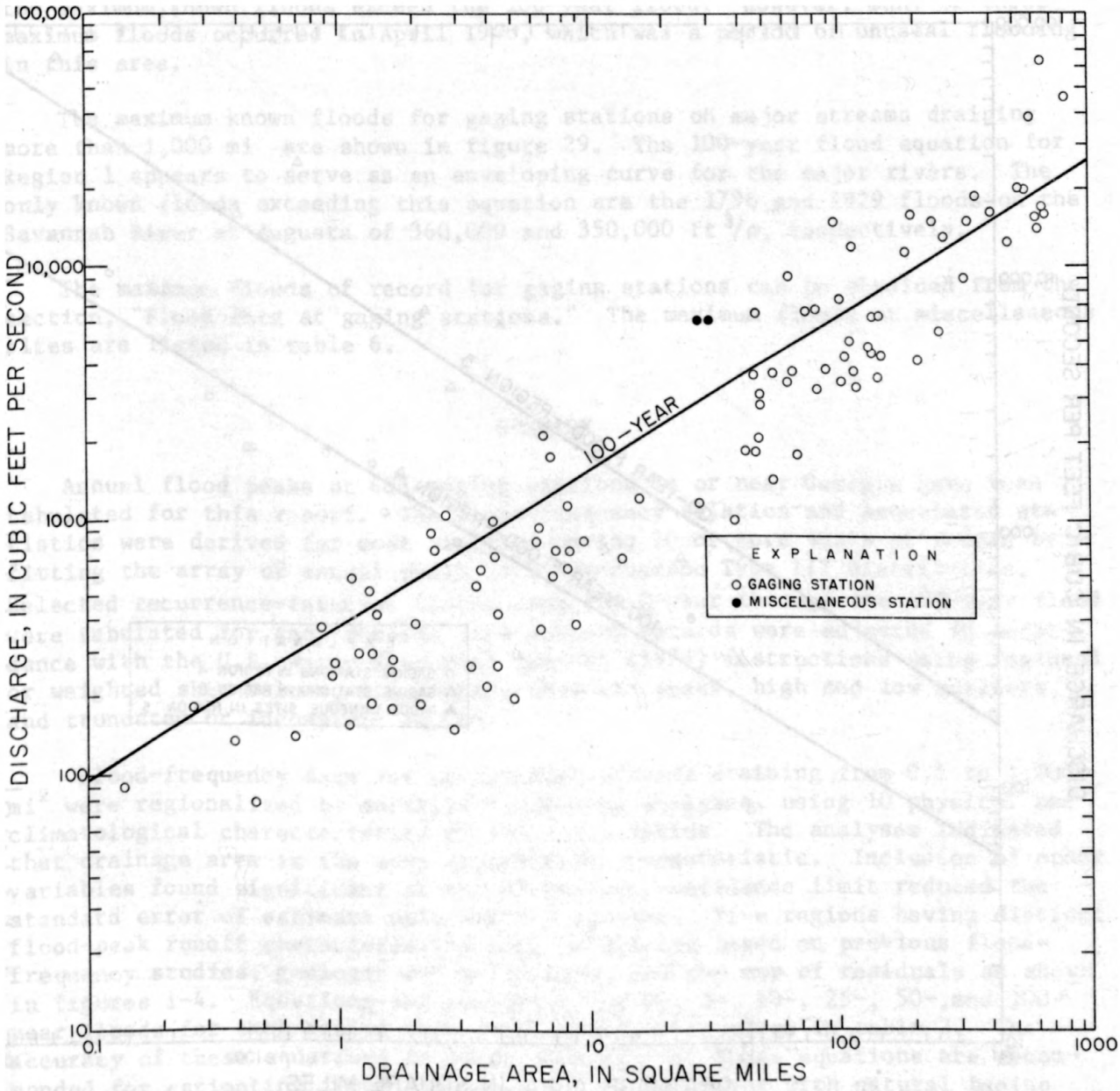

Figure 27.—Relation of maximum known floods to drainage area in Region 3.

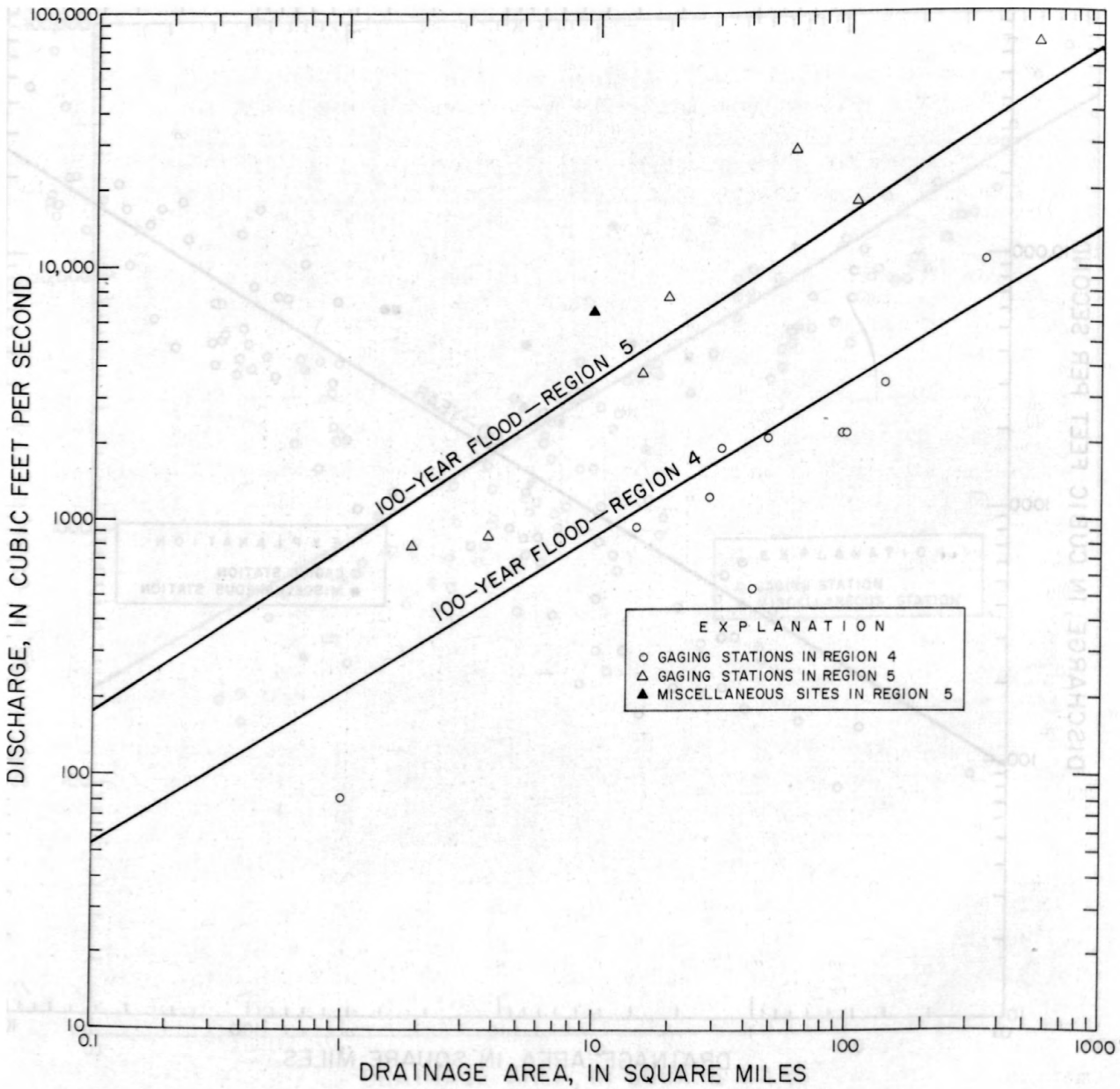

Figure 28.—Relation of maximum known floods to drainage area in Region 4 and 5.

The maximum known floods for Regions 4 and 5 are shown in figure 28. Owing to the small sample for each and a relatively short period of record, no probability analyses have been made. The comparison of the maximum floods with the 100-year flood appears reasonable for Region 4. For Region 5 many of the maximum known floods exceed the 100-year flood. However, many of these maximum floods occurred in April 1948, which was a period of unusual flooding in this area.

The maximum known floods for gaging stations on major streams draining more than 1,000 mi are shown in figure 29. The 100-year flood equation for Region 1 appears to serve as an enveloping curve for the major rivers. The only known floods exceeding this equation are the 1796 and 1929 floods on the Savannah River at Augusta of 360,000 and 350,000 ft^3/s, respectively.

The maximum floods of record for gaging stations can be obtained from the section, "Flood data at gaging stations." The maximum floods at miscellaneous sites are listed in table 6.

SUMMARY

Annual flood peaks at 403 gaging stations in or near Georgia have been tabulated for this report. The flood-frequency relation and associated statistics were derived for most stations having 10 or more years of record by fitting the array of annual peaks to a log-Pearson Type III distribution. Selected recurrence-interval floods from the 2-year through the 100-year flood were tabulated for each record. All station records were adjusted in accordance with the U.S. Water Resources Council (1976) instructions using regional or weighted skew values, considering historic peaks, high and low outliers, and truncated or incomplete record.

Flood-frequency data for unregulated streams draining from 0.1 to 1,000 mi^2 were regionalized by multiple-regression analyses, using 10 physical and climatological characteristics of the gaged basins. The analyses indicated that drainage area is the most significant characteristic. Inclusion of other variables found significant at the 95-percent confidence limit reduced the standard error of estimate only about 3 percent. Five regions having distinct flood-peak runoff characteristics were delineated based on previous flood-frequency studies, geologic and soils maps, and the map of residuals as shown in figures 1-4. Equations for computing the 2-, 5-, 10-, 25-, 50-,and 100-year floods for each region were developed and are given in table 2. The accuracy of these equations is given in table 3. These equations are recommended for estimating flood frequency at ungaged sites with natural basins whose drainage areas are between 0.1 and 1,000 mi^2. Flood-frequency data at gaged sites can be estimated using a weighted average based on the equivalent years of accuracy of the regression equations and the station record. For ungaged sites on gaged streams, where the drainage area of the ungaged sites differs by less than 50 percent from that of the gaged site, the flood-frequency data can be estimated by transferring the gaged data to the ungaged site and weighting with the regression data for the ungaged site.

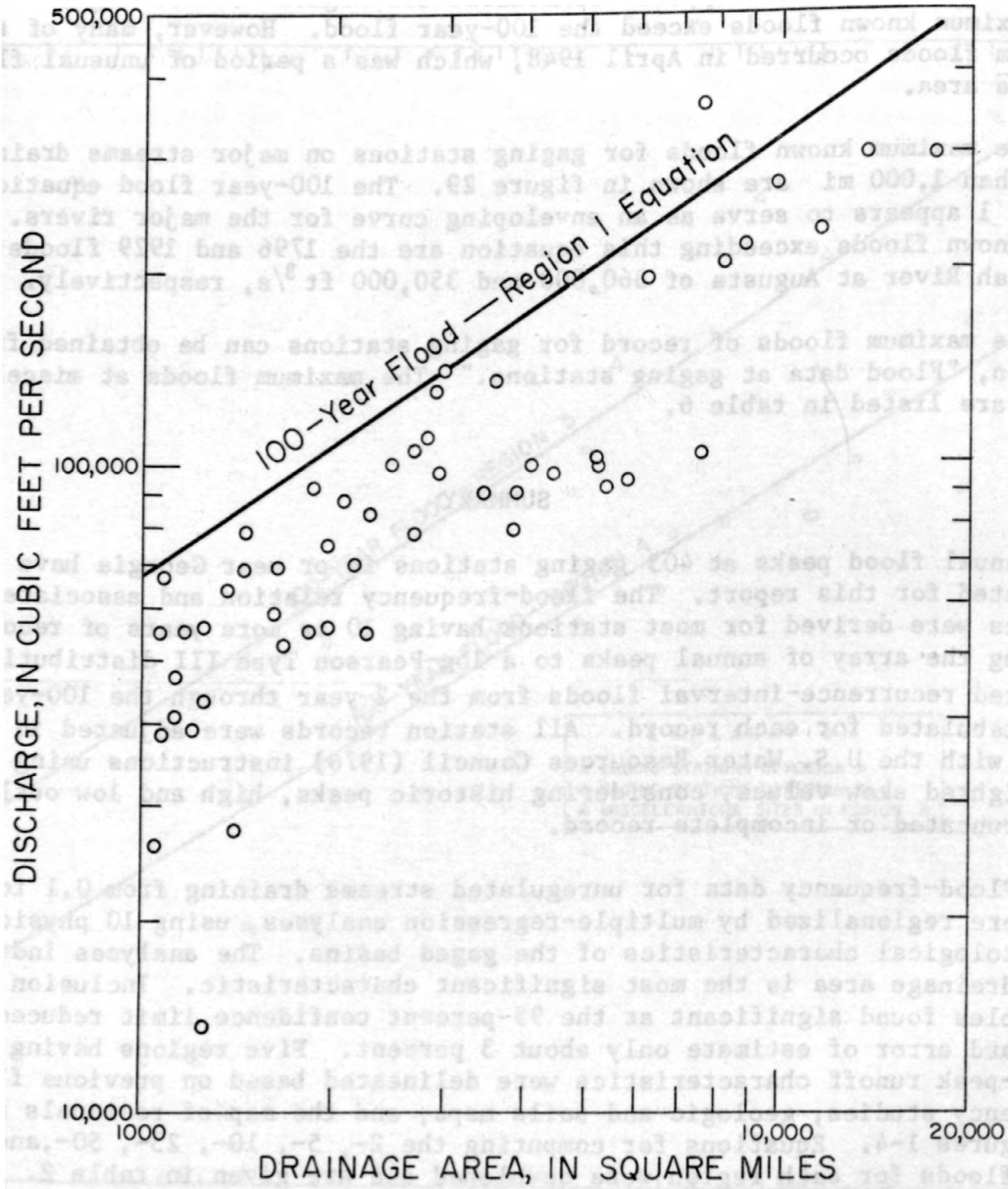

Figure 29.—Relation of maximum known floods to drainage area for major rivers draining over 100 square miles.

Individual relations of flood magnitude and frequency to drainage area are given for parts of the main stems of major rivers draining more than 1,000 mi^2. For many of the major rivers that have extensive regulation from large reservoirs, the agency regulating the flow may be able to provide flood-frequency information.

Graphical relations of maximum floods of record to drainage area at gaging stations provide a guide to maximum probable floods for each of the five hydrologic regions delineated in Georgia.

A method is described for estimating the magnitude and frequency of floods on streams in urban areas. The method should be considered preliminary until more data are available and more rigorous analyses are completed for urban streams in Georgia.

Table 6.--Peak discharge at miscellaneous sites

Stream and location of site	Contributing drainage area (mi^2)	Region	Date	Peak discharge (ft^3/s)
1938 WATER YEAR				
Talona Creek at Whitestone	5.61	1	4- 7-38	20,400
1948 WATER YEAR				
Okapilco Creek near Moultrie	27.4	3	4- 1-48	6,070
Okapilco Creek near Moultrie	30.8	3	4- 1-48	6,120
Little Tired Creek near Cairo	9.5	5	4- 1-48	6,540
1949 WATER YEAR				
Colman River near Clayton	5.6	1	6-16-49	830
Persimmon Creek near Clayton	14	1	6-16-49	1,900
Timpson Creek near Clayton	5.8	1	6-16-49	890
Panther Creek Tributary near Clayton	4.8	1	6-16-49	1,400
Dicks Creek near Toccoa	.7	2	6-16-49	318
Soque River near Clarkesville	34	1	6-16-49	5,300
Sutton Mill Creek near Clarkesville	3.1	1	6-16-49	1,200
1959 WATER YEAR				
Bitter Creek near Jacksonville	4.78	1	5-31-59	840
Brasstown Creek near Jacksonville	12.6	1	5-31-59	2,280
Brasstown Creek near Young Harris	20.3	1	5-31-59	3,990
Corn Creek near Young Harris	2.87	1	5-31-59	355
Brasstown Creek at Welch	34.5	1	5-31-59	4,560
Brasstown Creek near Brasstown, N.C.	83.1	1	5-31-59	6,380
Butternut Creek near Blairsville	.98	1	5-31-59	249
Butternut Creek at Blairsville	11.1	1	5-31-59	1,730
1961 WATER YEAR				
Raccoon Creek near Huntsville	24	1	2-21-61	3,140
Simpson Creek near Rockmart	8.0	1	2-21-61	1,640
Euharlee Creek near Rockmart	45	1	2-21-61	5,920
Euharlee Creek near Taylorsville	125	1	2-21-61	11,800
1965 WATER YEAR				
West Fork Chattooga River near Pine Mountain	53	1	10- 4-64	11,900
Fork Creek near Clayton	6.44	1	10- 4-64	1,800
Tiger Creek near Lakemont	26	1	10- 4-64	4,160
Chattahoochee River at Helen	35	1	10- 4-64	4,060

Table 6.--Peak discharge at miscellaneous sites--Continued

Stream and location of site	Contributing drainage area (mi^2)	Region	Date	Peak discharge (ft^3/s)
1965 WATER YEAR--Continued				
Little Tennessee River near Dillard	54.9	1	10- 4-64	6,240
Bitter Creek near Jacksonville	4.78	1	10- 4-64	1,500
Brasstown Creek near Jacksonville	12.6	1	10- 4-64	3,360
Brasstown Creek near Young Harris	20.3	1	10- 4-64	4,030
Brasstown Creek at Welch	34.5	1	10- 4-64	5,320
Butternut Creek near Blairsville	.98	1	10- 4-64	346
Butternut Creek at Blairsville	11.1	1	10- 4-64	2,980
1967 WATER YEAR				
West Fork Trail Creek Tributary near Athens	1.40	2	6- 4-67	1,080
West Fork Trail Creek near Athens	5.27	2	6- 4-67	5,100
Trail Creek at Athens	11.8	2	6- 4-67	15,000
Chattahoochee River near Helen	48.2	1	8-23-67	11,000
Bitter Creek near Jacksonville	4.78	1	8-23-67	2,440
Brasstown Creek near Jacksonville	12.6	1	8-23-67	4,260
Brasstown Creek near Young Harris	20.3	1	8-23-67	8,590
Brasstown Creek at Welch	34.5	1	8-23-67	10,000
Stink Creek near Blairsville	7.81	1	8-23-67	1.390
Nottely River near Blairsville	45.4	1	8-23-67	21,200
Arkaqua Creek near Blairsville	11.0	1	8-23-67	3,770
Butternut Creek near Blairsville	.98	1	8-23-67	690
Butternut Creek at Blairsville	11.1	1	8-23-67	5,880
Canada Creek near Gaddistown	12.2	1	8-23-67	6,750
Toccoa River near Gaddistown	18.0	1	8-23-67	7,360
Suches Creek near Gaddistown	6.82	1	8-23-67	3,500
Grizzle Creek near Gaddistown	1.65	1	8-23-67	620
Toccoa River near Gaddistown	38.1	1	8-23-67	16,600
Noontoola Creek near Dial	31.0	1	8-23-67	2,210
1969 WATER YEAR				
Town Creek at LaFayette	12.3	1	9- 5-69	3,390
1973 WATER YEAR				
Long Island Creek at Atlanta	5.17	2	6- 5-73	2,950
North Fork Peachtree Creek near Doraville	5.48	2	6- 5-73	1,470
North Fork Peachtree Creek near Chamblee	10.5	2	6- 5-73	2,900
Vermack Creek near Doraville	1.0	2	6- 5-73	620

Table 6.--Peak discharge at miscellaneous sites--Continued

Stream and location of site	Contributing drainage area (mi^2)	Region	Date	Peak discharge (ft^3/s)
1973 WATER YEAR--Continued				
Nancy Creek near Doraville	7.20	2	6- 5-73	2,510
Nancy Creek near Atlanta	14.0	2	6- 5-73	5,050
Nancy Creek at Atlanta	23.6	2	6- 5-73	4,420

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SUPPLEMENTAL DATA

SUPPLEMENTAL DATA--FLOOD DATA AT GAGING STATIONS

Explanation of Tables

The following tables contain flood data for gaging stations having 5 or more years of record through the 1974 water year. The tables contain a brief description of the gage location, type of gage, gage datum (if known), drainage area in square miles, stage-discharge relation, bankfull stage in feet, bankfull discharge in cubic feet per second, historical data, and explanatory remarks.

The log-Pearson Type III flood-frequency data, as calculated from station data using a regional skew coefficient, and adjusted for historic peaks, high and low outliers, and truncated or incomplete record, are given for most stations with 10 or more years of record. A weighted average of the regression results and the gaging-station data are also shown and suggested for use. For 75 small-stream stations that had simulated data from rainfall-runoff studies, the station skew was not computed, as station values for the 2- and 100-year floods were obtained by weighting the observed and simulated data using regional skew values for each. The adjustments made to the station data are shown by the following headnotes:

a Historic peak
b High outlier
c Low outlier
d Peak below base of gage; discharge shown is less than actual discharge unless gage height is shown.

The tables of peak stages and discharges show only the annual maximums. A line in the water-year column indicates a break in record; a line in the gage-height column indicates a change in datum; a line in the date and discharge column indicates a change in gage location.

Records for gaging station in Georgia with less than 5 years of record were not tabulated in this report.

Alphabetical Index of Gaging Stations

Alphabetical Index of Gaging Stations--Continued

Alphabetical Index of Gaging Stations--Continued

Alphabetical Index of Gaging Stations--Continued

Alphabetical Index of Gaging Stations--Continued

BROAD RIVER BASIN

02176500 COOSAWHATCHIE RIVER NEAR HAMPTON, S.C.

LOCATION.--Lat 32°50'10", long 81°07'55", Hampton County, near left bank on downstream side of bridge on U.S. Highway 601, 1.6 mi downstream from Black Creek, 2.5 mi southwest of Hampton, and at mile 33.0.

DRAINAGE AREA.--203 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 50.30 ft above mean sea level. Prior to Oct. 26, 1954, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 1,830	
Q_5 = 2,980	
Q_{10} = 3,860	
Q_{25} = 4,890	
Q_{50} = 5,730	
Q_{100} = 6,580	

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.254
Standard deviation	= 0.259
Station skew	= 0.002
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Apr. 1	4.82	1,220	1959	Mar. 6	5.87	2,950	1967	Aug. 12	4.53	974
1952	Feb. 16	5.20	1,780	1960	Jan. 31	5.48	2,150	1968	June 9	3.89	416
1953	Mar. 24	5.78	2,750	1961	Apr. 17	5.16	1,580	1969	Sept. 2	8.39	8,160
1954	May 16	5.45	2,360	1962	Mar. 12	[1]4.89	1,250	1970	Mar. 31	5.66	2,120
1955	Apr. 15	5.05	1,430	1963	Jan. 29	5.61	2,190	1971	Mar. 4	5.16	1,530
1956	Feb. 7	4.98	1,390	1964	Aug. 30	6.21	3,720	1972	Feb. 4	5.23	1,660
1957	May 31	4.26	649	1965	Oct. 16	6.27	3,880	1973	June 14	5.47	1,940
1958	Apr. 16	5.07	1,400	1966	Mar. 5	5.65	2,370	1974	Feb. 9	5.11	1,520

[1] Occurred at different time than peak discharge.

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.

LOCATION.--Lat 34°48'50", long 83°18'22", Oconee County, S.C., on left bank 150 ft downstream from bridge on U.S. Highway 76, 2.8 mi upstream from Stekoa Creek, 7 mi southeast of Clayton, 9 mi downstream from War Woman Creek, and 9 mi upstream from confluence with Tallulah River.

DRAINAGE AREA.--207 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 1,165.6 ft above mean sea level. May 1907 to June 1908, nonrecording gage at site 400 ft upstream at different datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 4,700 ft^3/s and extended above on basis of slope-area measurements at 15,700, 29,000 ft^3/s.

REMARKS.--Stage records for 1915, 1928, and 1929 from Georgia Power Company. Discharge records for 1917-27 estimated on basis of records for U.S. Geological Survey gage on Chattooga River near Tallulah Falls, Ga. (02178000); drainage area, 256 mi^2.

FLOOD-FREQUENCY DATA (ft^3/s)
49 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 7,570	7,540
Q_5 = 12,200	12,100
Q_{10} = 15,700	15,400
Q_{25} = 20,800	20,300
Q_{50} = 25,100	24,400
Q_{100} = 29,700	28,400

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.886
Standard deviation	= 0.239
Station skew	= 0.558
Regional or weighted skew	= 0.180

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1915	Oct. 15	8.25	12,600	1943	Dec. 29	5.8	6,870	1960	Oct. 9	5.60	6,440
1917	Mar. 24		14,000	1944	Mar. 19	4.25	3,840	1961	Feb. 25	6.0	7,310
1918	Jan. 28		5,900	1945	Apr. 17	3.70	2,930	1962	Dec. 12	7.01	9,660
1919	Dec. 22		16,000	1946	Feb. 10	5.70	6,650	1963	Mar. 6	5.1	5,420
1920	Dec. 9		8,200	1947	Jan. 20	5.57	6,440	1964	Sept.29	7.08	9,880
1921	Feb. 10		4,100	1948	July 12	8.11	12,400	1965	Oct. 4	13.2	27,200
1922	Jan. 21		6,200	1949	June 16	8.66	13,900	1966	Feb. 13	8.50	13,400
1923	Dec. 17		5,300	1950	Mar. 13	4.73	4,740	1967	June 4	9.27	15,400
1924	Sept.20		9,200	1951	Dec. 7	5.02	5,220	1968	Mar. 12	5.25	5,620
1925	Dec. 8		3,900	1952	Mar. 11	8.5	13,400	1969	June 15	9.00	14,700
1926	Jan. 18		6,200	1953	Feb. 21	5.4	6,020	1970	Nov. 2	4.15	3,480
1927	Dec. 26		3,600	1954	Jan. 22	5.5	6,230	1971	Feb. 22	3.91	3,290
1928	Aug. 15	10.9	20,100	1955	Feb. 6	5.3	5,820	1972	Dec. 7	6.06	7,440
1929	Sept.26	7.7	11,400	1956	Apr. 16	5.3	5,820	1973	May 28	10.74	19,600
1940	Aug. 30	13.80	29,000	1957	Apr. 5	5.34	5,820	1974	Dec. 26	5.58	6,400
1941	July 7	6.10	7,530	1958	Nov. 19	5.20	5,620				
1942	Feb. 17	5.75	6,870	1959	May 31	5.17	5,620				

02178000 CHATTOOGA RIVER NEAR TALLULAH FALLS, GA.

LOCATION.--Lat 34°47'31", long 83°19'22", Rabun County, on right bank 300 ft upstream from Camp Creek, 5.5 mi upstream from confluence with Tallulah River, and 8 mi east of Tallulah Falls.

DRAINAGE AREA.--256 mi^2.

GAGE.--Nonrecording prior to Aug. 18, 1977; water-site recorder therafter. Altitude of gage is 960 ft (from Corps of Engineers river profile).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 5,800 ft^3/s and extended above on basis of computation of peak flows passing station near Clayton.

REMARKS.--Weighted average flood-frequency data based on station upstream on Chattooga River near Clayton (02177000), Region 1 regression, and station data at site.

FLOOD-FREQUENCY DATA (ft^3/s)
13 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 9,340	8,900
Q_5 = 14,800	14,000
Q_{10} = 18,700	18,000
Q_{25} = 24,200	24,000
Q_{50} = 28,300	28,000
Q_{100} = 32,900	33,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.971
Standard deviation	= 0.236
Station skew	= 0.268
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1917	Mar. 24	14.0	17,600	1922	Jan. 21	8.20	7,690	1926	Jan. 18	8.25	7,760
1918	Jan. 28	8.0	7,410	1923	Dec. 17	7.43	6,610	1927	Dec. 26	5.78	4,470
1919	Dec. 22	15.0	19,600	1924	Sept.20	10.68	11,500	1928	Aug. 15	16.4	22,400
1920	Dec. 9	9.90	10,200	1925	Dec. 8	6.10	4,840	1929	Sept.26	12.3	14,200
1921	Feb. 10	6.30	5,100								

02178400 TALLULAH RIVER NEAR CLAYTON, GA.

LOCATION.--Lat 34°53'25", long 83°31'50", Rabun County, on right bank 100 ft downstream from county highway bridge, 120 ft downstream from Persimmon Creek, 8 mi upstream from Burton Dam, and 10.3 mi west of Clayton.

DRAINAGE AREA.--56.5 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 1,880 ft, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,500 ft^3/s and extended above on basis of contracted-area and slope-area estimates at 7,500 ft^3/s. Bankfull stage and discharge, 6 ft and 2,100 ft^3/s.

REMARKS.--Peak discharges for 1965-66 and 1973-74 are estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 3,020	2,980
Q_5 = 4,960	4,810
Q_{10} = 6,420	6,050
Q_{25} = 8,450	7,850
Q_{50} = 10,100	9,300
Q_{100} = 11,800	10,600

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.479
Standard deviation	= 0.257
Station skew	= -0.179
Regional or weighted skew	= -0.022

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Oct. 4	11.12	7,500	1969	June 15	6.48	2,470	1972	Dec. 7	6.11	2,160
1966	Feb. 13	9.17	5,000	1970	Dec. 30	5.93	2,010	1973	May 28	12.00	a8,500
1967	Aug. 23	6.84	2,800	1971	Feb. 22	4.41	976	1974	Dec. 26	8.74	4,600
1968	Mar. 12	7.18	3,100								

02181800 LITTLE PANTHER CREEK NEAR TALLULAH FALLS, GA.

LOCATION.--Lat 34°42'48", long 83°24'07", Habersham County, at culvert on U.S. Highway 441, 1.3 mi southwest of Tallulah Falls.

DRAINAGE AREA.--2.5 mi^2.

GAGE.--Crest-stage gage prior to Jan. 12, 1967; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 60 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood of June 16, 1949, was highest since 1927 based on information at nearby stations.

FLOOD-FREQUENCY DATA (ft^3/s)
19 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 120	137
Q_5	= 269	307
Q_{10}	= 414	467
Q_{25}	= 663	710
Q_{50}	= 904	929
Q_{100}	= 1,200	1,180

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.082
Standard deviation	= 0.382
Station skew	= 0.399
Regional or weighted skew	= 0.140

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1949	June 16	11.10	a710	1962	Dec. 11	8.85	183	1969	June 10	8.86	183
1956	Apr. 14	8.20	78	1963	Mar. 12	10.64	585	1970	- - -		d30
1957	Apr. 5	7.90	48	1964	Jan. 24	8.91	194	1971	Mar. 3	8.01	57
1958	Nov. 19	8.05	61	1965	Oct. 4	8.59	138	1972	May 14	8.81	176
1959	May 31	8.30	92	1966	Feb. 13	9.24	258	1973	May 27	11.01	678
1960	Apr. 12	7.90	48	1967	June 4	9.54	319	1974	Dec. 31	7.84	43
1961	Feb. 25	8.50	124	1968	Mar. 12	8.20	78				

02182000 PANTHER CREEK NEAR TOCCOA, GA.

LOCATION.--Lat 34°40'40", long 83°20'43", Stephens County, on left bank at Yonah Dam Settlement, 0.2 mi upstream from mouth, and 7 mi north of Toccoa.

DRAINAGE AREA.--32.5 mi^2.

GAGE.--Water-stage recorder prior to 1972; crest-stage gage thereafter. Datum of gage is 673.53 ft above mean sea level (levels by Georgia Power Company).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 800 ft^3/s and extended above on basis of slope-area measurements at 2,500, 5,500, and 15,000 ft^3/s. Bankfull stage and discharge, 10 ft and 3,350 ft^3/s.

REMARKS.--Gage-height record prior to 1943 furnshished by Georgia Power Company.

FLOOD-FREQUENCY DATA (ft^3/s)
48 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 2,100	2,090
Q_5	= 4,300	4,170
Q_{10}	= 6,250	5,870
Q_{25}	= 9,300	8,480
Q_{50}	= 12,000	10,700
Q_{100}	= 15,100	13,100

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.405
Standard deviation	= 0.370
Station skew	= -0.044
Regional or weighted skew	= -0.013

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1927	Feb. 23	4.7	1,050	1943	Apr. 19	6.8	2,180	1959	May 31	5.6	1,530
1928	Aug. 15	8.4	3,500	1944	Mar. 19	7.2	2,430	1960	Feb. 5	4.60	1,000
1929	Sept.25	8.4	3,500	1945	Sept.16	4.18	814	1961	Feb. 25	6.7	2,220
1930	Mar. 8	3.8	650	1946	Jan. 6	11.3	5,440	1962	Dec. 12	6.54	2,110
1931	Nov. 16	3.1	385	1947	Jan. 20	5.9	1,660	1963	Mar. 12	11.64	5,680
1932	Dec. 14	5.9	1,710	1948	July 11	7.0	2,430	1964	Jan. 25	7.15	2,480
1933	Oct. 16	6.8	2,290	1949	June 16	18.0	15,100	1965	Oct. 4	9.79	4,260
1934	June 6	8.3	3,420	1950	June 8	4.67	1,020	1966	Feb. 13	8.95	3,660
1935	Oct. 6	7.5	2,780	1951	Oct. 20	4.18	810	1967	June 4	10.79	5,030
1936	Sept.29	17.0	13,500	1952	Mar. 11	8.4	3,500	1968	Mar. 12	4.32	860
1937	Dec. 31	5.5	1,470	1953	July 22	8.78	3,740	1969	Feb. 2	7.49	2,640
1938	Oct. 18	6.6	2,150	1954	Jan. 22	7.2	2,570	1970	Nov. 2	2.83	290
1939	Aug. 17	12.7	7,750	1955	Feb. 6	6.4	2,010	1971	July 31	3.62	574
1940	Aug. 13	9.6	4,540	1956	Apr. 15	4.85	1,150	1972	May 14	6.36	1,990
1941	July 7	6.9	2,360	1957	Apr. 4	4.20	810	1973	May 28	12.46	6,460
1942	Feb. 16	8.9	3,910	1958	Nov. 19	3.65	592	1974	July 7	4.55	975

02184000 TUGALOO RIVER NEAR HARTWELL, GA.

LOCATION.--Lat 34°29'06", long 82°54'33", Hart County, on right bank three quarters of a mile upstream from Beaverdam Creek, 5 mi upstream from confluence with Seneca River, and 10 mi north of Hartwell.

DRAINAGE AREA.--909 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 570 ft (by barometer). April 1925 to September 1927 at datum about 1 ft higher.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 28,000 ft^3/s.

REMARKS.--The peak discharges have minor regulations from powerplants above station and from Lake Burton and Mathis Reservoir on the Tallulah River. Lake Burton (maximum flood-control storage, 106,000 acre-ft) completed in 1926, and Mathis Reservoir (maximum flood-control storage, 23,000 acre-ft) completed in 1914, regulate the flow from 150 (sq mi) of Tallulah River basin. Station inundated by Hartwell Reservoir since October 1959.

FLOOD-FREQUENCY DATA (ft^3/s)
23 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 16,200	16,600
Q_5 = 21,400	22,900
Q_{10} = 24,700	27,300
Q_{25} = 28,900	33,100
Q_{50} = 31,900	37,700
Q_{100} = 34,900	41,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.210
Standard deviation	= 0.143
Station skew	= -0.088
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1926	Jan. 18	7.76	18,200	1946	Jan. 7	10.3	25,400	1954	Jan. 16	8.98	19,200
1927	Dec. 29	5.67	9,140	1947	Jan. 20	8.25	15,200	1955	Feb. 7	8.67	18,200
1940	Aug. 31	10.8	28,600	1948	July 13	8.98	18,800	1956	Apr. 16	7.64	12,800
1941	July 7	7.8	13,200	1949	June 17	10.4	27,800	1957	Apr. 5	8.5	16,700
1942	Feb. 17	9.4	20,500	1950	Sept. 9	7.61	12,800	1958	Nov. 19	6.9	10,300
1943	Dec. 29	8.7	17,400	1951	Oct. 20	8.22	15,300	1959	June 1	7.6	12,800
1944	Mar. 20	8.96	18,800	1952	Mar. 11	10.0	25,100	1960	Feb. 6	7.6	12,400
1945	Feb. 23	6.55	8,600	1953	Feb. 21	8.25	15,300				

02184500 WHITEWATER RIVER AT JOCASSEE, S.C.

LOCATION.--Lat 34°58'19", long 82°56'24", Oconee County, on right bank at highway bridge at Jocassee, 0.8 mi upstream from confluence with Toxaway River.

DRAINAGE AREA.--47.3 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 777.79 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements and velocity-area studies.

FLOOD-FREQUENCY DATA (ft^3/s)
16 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 3,190	
Q_5 = 4,530	
Q_{10} = 5,430	
Q_{25} = 6,600	
Q_{50} = 7,480	
Q_{100} = 8,380	

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.505
Standard deviation	= 0.180
Station skew	= 0.706
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1952	Mar. 11	11.17	5,280	1958	Dec. 20		2,410	1963	Mar. 6	5.78	2,370
1953	Feb. 21	6.53	2,820	1959	May 31		1,990	1964	Sept.29	12.48	5,990
1954	Jan. 22	6.38	2,730	1960	Oct. 9		2,340	1965	Oct. 4	14.30	6,900
1955	Feb. 6		2,260	1961	Feb. 25	6.65	2,890	1966	Oct. 1	11.20	5,350
1956	Apr. 15	5.10	1,950	1962	Dec. 12	7.00	3,100	1967	June 4	9.76	4,630
1957	Apr. 4	6.31	2,710								

02185000 KEOWEE RIVER NEAR JOCASSEE, S.C.

LOCATION.--Lat 34°57'41", long 82°54'41", Oconee County, on right bank 0.6 mi downstream from bridge on State Highway 11, 1.8 mi southeast of Jocassee, and 2.6 mi upstream from Eastotoe Creek.

DRAINAGE AREA.--148 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 727.43 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements and velocity-area studies.

FLOOD-FREQUENCY DATA (ft^3/s)
18 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE

Q_2	= 9,650
Q_5	= 13,700
Q_{10}	= 16,500
Q_{25}	= 20,100
Q_{50}	= 22,900
Q_{100}	= 25,600

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.984
Standard deviation	= 0.182
Station skew	= 0.385
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1950	Sept. 1	11.46	11,800	1956	Apr. 16	6.74	5,780	1962	Dec. 12	10.45	10,400
1951	Dec. 7	8.29	7,700	1957	Apr. 4	9.03	8,540	1963	Mar. 6	[1]7.41	6,620
1952	Mar. 11	16.23	16,200	1958	Dec. 20	7.08	6,260	1964	Sept.29	17.84	17,700
1953	Feb. 21	10.03	9,840	1959	Apr. 12	6.85	5,900	1965	Oct. 4	22.03	21,000
1954	Jan. 22	9.49	9,190	1960	Feb. 5	6.52	5,540	1966	Mar. 13	16.07	16,100
1955	Feb. 6	7.77	7,100	1961	Feb. 25	9.67	9,450	1967	June 4	14.12	14,100

[1]Peak stage occurred at different time than peak discharge.

02185500 KEOWEE RIVER NEAR NEWRY, S.C.

LOCATION.--Lat 34°44'09", long 82°52'19", Oconee County, on left bank 800 ft downstream from Lawrence Bridge, 0.7 mi upstream from Six Mile Creek, and 2.2 mi east of Newry.

DRAINAGE AREA.--455 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 625.00 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

REMARKS.--Stage-discharge relation affected by backwater from construction of Hartwell Reservoir subsequent to Apr. 21, 1961.

FLOOD-FREQUENCY DATA (ft^3/s)
22 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE

Q_2	= 15,900
Q_5	= 20,800
Q_{10}	= 24,000
Q_{25}	= 28,000
Q_{50}	= 30,900
Q_{100}	= 33,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.200
Standard deviation	= 0.141
Station skew	= -1.680
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1940	Aug. 13	24.60	25,200	1948	Aug. 4	19.09	17,500	1955	Feb. 6	[1]19.19	17,500
1941	July 7	13.27	10,400	1949	Nov. 29	20.54	19,000	1956	Apr. 16	17.32	14,900
1942	Feb. 17	20.28	18,900	1950	Oct. 7	22.69	21,100	1957	Apr. 5	20.32	18,300
1943	Dec. 29	[1]20.28	17,100	1951	Dec. 7	15.97	13,000	1958	Nov. 19	13.72	10,800
1944	Mar. 20	17.01	14,900	1952	Mar. 11	23.16	22,000	1959	Apr. 12	17.01	14,400
1945	Feb. 22	8.25	5,530	1953	Feb. 21	18.89	16,300	1960	Mar. 30	15.92	13,300
1946	Jan. 7	21.32	20,300	1954	Jan. 22	[1]21.19	19,700	1961	June 22	20.94	20,200
1947	Jan. 20	16.26	13,900								

[1]Peak stage occurred at different time than peak discharge.

02187000 SENECA RIVER NEAR ANDERSON, S.C.

LOCATION.--Lat 34°29'10", long 82°49'45", Anderson County, on right bank 0.25 mi downstream from bridge on State Highway 80, 1.9 mi downstream from Deep Creek, 4.2 mi upstream from confluence with Tugaloo River, and 10 mi west of Anderson.

DRAINAGE AREA.--1,026 mi^2.

GAGE.--Nonrecording prior to Jan. 24, 1929; recording thereafter. Altitude of gage is 520 ft (from Corps of Engineers profile).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 18,000 ft^3/s and extended by logarithmic plotting.

REMARKS.--Peaks are from graphs on gage readings prior to Jan. 24, 1929. Gage heights prior to October 1931 furnshished by Corps of Engineers. Station inundated by Hartwell Reservoir since October 1959.

FLOOD-FREQUENCY DATA (ft^3/s)
32 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 22,600	
Q_5 = 33,100	
Q_{10} = 40,300	
Q_{25} = 49,600	
Q_{50} = 56,500	
Q_{100} = 63,500	

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.368
Standard deviation	= 0.221
Station skew	= 0.190
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1928	Aug. 17	25.75	81,100	1939	Aug. 19	15.68	33,300	1950	Oct. 8	13.51	24,300
1929	Mar. 5	14.72	25,900	1940	Aug. 14	18.30	45,600	1951	Oct. 21	10.31	13,900
1930	Oct. 2	13.90	23,100	1941	July 7	10.13	13,300	1952	Mar. 12	15.37	32,000
1931	Nov. 17	8.20	7,800	1942	Feb. 17	15.25	31,100	1953	Feb. 22	13.21	23,200
1932	Dec. 15	12.14	17,500	1943	Dec. 30	12.54	20,400	1954	Jan. 23	13.26	23,600
1933	Oct. 18	17.73	37,600	1944	Mar. 20	13.05	22,600	1955	Feb. 7	11.74	18,400
1934	Mar. 5	12.16	19,800	1945	Mar. 27	8.30	8,850	1956	Apr. 17	11.69	18,000
1935	Jan. 10	12.24	19,800	1946	Jan. 7	17.26	40,600	1957	Apr. 6	12.89	22,200
1936	Apr. 7	19.04	49,200	1947	Jan. 21	11.76	18,400	1958	Nov. 20	9.88	12,800
1937	Oct. 1	20.07	55,200	1948	Aug. 5	10.84	15,300	1959	Apr. 13	11.00	15,300
1938	Oct. 20	14.42	27,900	1949	Nov. 29	15.11	30,700				

02187500 SAVANNAH RIVER NEAR IVA, S.C.

LOCATION.--Lat 34°15'20", long 82°44'42", Anderson County, on left bank at downstream side of bridge on State Highway 184, 0.5 mi upstream from Little Generostee Creek, 5.8 mi southwest of Iva, and at mile 296.5.

DRAINAGE AREA.--2,231 mi^2.

GAGE.--Recording. Datum of gage is 432.26 ft above mean sea level (levels by Corps of Engineers).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

REMARKS.--Peak discharges regulated by storage in Hartwell Reservoir (maximum flood-control storage, 1,708,600 acre-ft) subsequent to 1959. Minor regulation from Lake Burton and Mathis Reservoir. (See station 02184000.).

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1950	Oct. 10	-	27,500	1959	Apr. 13	8.22	22,000	1967	June 6	8.88	30,800
1951	Oct. 21	8.98	27,200	1960	Apr. 6	6.16	12,300	1968	Jan. 12	8.58	29,000
1952	Mar. 12	12.74	54,400	1961	Mar. 7	5.79	10,400	1969	May 2	8.44	28,100
1953	Feb. 22	10.44	36,800	1962	Dec. 18	7.89	21,200	1970	July 29	8.51	28,600
1954	Jan. 16	11.28	44,200	1963	Apr. 30	7.86	21,400	1971	Mar. 3	8.96	31,300
1955	Feb. 7	10.04	34,000	1964	Apr. 8	11.25	44,300	1972	Jan. 7	8.43	31,000
1956	Apr. 16	9.65	31,200	1965	Oct. 5	8.87	29,500	1973	Dec. 15	8.57	32,000
1957	Apr. 6	10.08	34,800	1966	Mar. 4	9.79	35,000	1974	Aug. 9	8.01	28,100
1958	Nov. 19	9.67	32,000								

02188500 SOUTH BEAVERDAM CREEK AT DEWY ROSE, GA.

LOCATION.--Lat 34°10'52", long 82°56'38", Elbert County, on left bank 50 ft upstream from highway bridge, 1 mi northeast of Dewy Rose, and 3 mi upstream from confluence with North Beaverdam Creek.

DRAINAGE AREA.--35.8 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 581.07 ft above mean sea level. Prior to Nov. 20, 1952, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,300 ft^3/s and extended above on basis of slope-area measurements at 6,570 ft^3/s. Bankfull stage and discharge, 12 ft and 2,900 ft^3/s.

HISTORICAL DATA.--Flood-stages of Aug. 25, 1852 and Aug. 25, 1908, based on information furnished by local resident. Flood-peak of Aug. 15, 1928, determined from floodmark. Flood of June 4, 1967, was highest since 1908 based on information furnished by local resident.

FLOOD-FREQUENCY DATA (ft^3/s)
33 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 1,380	1,400
Q_5 = 2,470	2,510
Q_{10} = 3,320	3,380
Q_{25} = 4,510	4,660
Q_{50} = 5,480	5,550
Q_{100} = 6,520	6,550

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.136
Standard deviation	= 0.304
Station skew	= -0.465
Regional or weighted skew	= -0.129

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1852	Aug. 25	23.6	(b)	1952	Mar. 4	9.8	1,520	1964	Mar. 26	14.00	3,400
1908	Aug. 25	23.6	(b)	1953	Feb. 21	6.5	760	1965	Dec. 27	8.94	1,550
1928	Aug. 15	17.8	a4,300	1954	Jan. 17	7.2	900	1966	Mar. 4	12.81	2,920
1943	Jan. 18	13.4	2,600	1955	Feb. 7	6.9	840	1967	June 4	16.9	a6,570
1944	Mar. 20	6.9	891	1956	Mar. 17	8.1	1,100	1968	Dec. 12	5.81	726
1945	Apr. 25	8.0	1,110	1957	Apr. 6	8.97	948	1969	Jan. 20	12.12	2,930
1946	Jan. 7	9.6	1,450	1958	Nov. 19	10.84	1,540	1970	Mar. 22	4.59	437
1947	Jan. 20	8.6	1,240	1959	June 1	5.80	438	1971	Mar. 3	9.51	1,730
1948	Nov. 12	7.4	990	1960	July 29	8.45	1,010	1972	Jan. 11	8.44	1,400
1949	Nov. 29	11.1	1,910	1961	Feb. 21	12.2	2,060	1973	Dec. 15	11.27	2,500
1950	Sept. 9	3.35	189	1962	Dec. 13	11.0	1,910	1974	Jan. 1	8.75	1,500
1951	Oct. 20	11.0	1,880	1963	Apr. 30	12.19	2,330				

02189000 SAVANNAH RIVER NEAR CALHOUN FALLS, S.C.

LOCATION.--Lat 34°04'15", long 82°38'30", Abbeville County, on left bank 150 ft upstream from bridge on State Highway 72, 1.0 mi downstream from Seaboard Coast Line Railroad bridge, 1.5 mi downstream from Rocky River, 3.0 mi southwest of Calhoun Falls, and at mile 279.7.

DRAINAGE AREA.--2,876 mi^2. At site used prior to Mar. 13, 1930, 2,712 mi^2.

GAGE.--Nonrecording prior to Mar. 13, 1930; recording Mar. 13, 1930 to July 30, 1932; nonrecording July 31, 1932 to Mar. 31, 1938; recording thereafter. Datum of gage is 363.53 ft above mean sea level. At site 1 mi upstream at datum 5.5 ft higher prior to July 1, 1928. At or near present site at datum 2 ft higher from July 1, 1928 to Mar. 12, 1930.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 14,000 ft^3/s at former site. Peak discharges for 1904-1927 are from rating table based on discharge measurements made 1896-1903. Defined by current-meter measurements below 50,000 ft^3/s and extended above on basis of area-velocity studies and logarithmic plotting at present site.

REMARKS.--Peak discharges regulated by storage in Hartwell Reservoir (maximum flood-control storage, 1,708,600 acre-ft) subsequent to 1959. Minor regulation from Lake Burton and Mathis Reservoir (See station 02184000.). Gage heights, Jan. 1, 1904 to Mar. 12, 1930, and from July 31, 1932 to Mar. 31, 1938, from graphs based on gage readings by the U.S. Weather Bureau. Records for Mar. 13, 1930, to July 30, 1932, furnished by Commonwealth and Southern Corporation in connection with a Federal Power Commission license.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1897	Apr. 5	15.3	57,400	1925	Jan. 19	9.4	31,700	1950	Oct. 8	5.98	29,400
1900	Feb. 14	19.7	76,500	1926	Jan. 19	8.6	28,300	1951	Oct. 21	5.98	28,800
1901	Sept.18	17.4	66,500	1927	Dec. 29	8.5	27,800	1952	Mar. 24	8.65	58,000
1902	Feb. 28	19.6	76,100	1928	Aug. 17	11.9	130,000	1953	Feb. 22	6.94	38,400
1903	June 7	15.4	57,800	1929	Sept.27	8.7	85,400	1954	Jan. 17	7.44	44,600
1904	Aug. 9	9.9	33,900	1930	Oct. 2	10.1	105,000	1955	Feb. 7	6.89	40,200
1905	July 2	13.0	47,400	1931	Apr. 23	4.22	15,800	1956	Sept.26	7.02	40,200
1906	Mar. 20	11.8	42,200	1932	Dec. 4	7.1	41,400	1957	Apr. 6	6.79	38,100
1907	Oct. 4	9.9	33,900	1933	Oct. 17	11.6	97,600	1958	Nov. 19	6.76	38,100
1908	Aug. 25	28.2	114,000	1934	June 5	7.0	39,400	1959	June 2	6.41	32,800
1909	June 4	12.2	43,900	1935	Jan. 10	6.0	29,400	1960	Feb. 13	5.03	19,600
1910	Mar. 1	12.5	45,200	1936	Apr. 7	11.5	96,200	1961	Mar. 8	4.79	17,400
1911	Jan. 4	7.5	23,500	1937	Oct. 1	9.0	63,000	1962	Dec. 19	5.62	26,000
1912	Mar. 16	19.5	75,700	1938	Oct. 20	8.2	53,100	1963	Apr. 30	6.12	30,900
1913	Mar. 15	13.2	48,300	1939	Aug. 19	7.88	49,600	1964	Apr. 8	8.08	60,000
1914	Dec. 30	7.2	22,200	1940	Aug. 13	11.52	96,500	1965	Oct. 6	6.91	44,800
1915	July 1	10.9	38,300	1941	July 7	6.70	36,300	1966	Mar. 4	7.50	52,500
1916	Dec. 30	12.4	44,800	1942	Feb. 18	7.73	47,200	1967	June 5	6.76	39,900
1917	Mar. 25	11.3	40,000	1943	Jan. 18	8.21	53,100	1968	Jan. 10	6.17	33,200
1918	Aug. 3	8.1	26,100	1944	Mar. 20	7.91	49,500	1969	Jan. 20	7.04	43,400
1919	Dec. 23	15.7	59,100	1945	Apr. 25	6.40	33,300	1970	July 29	5.89	32,000
1920	Dec. 10	16.6	63,100	1946	Jan. 8	9.41	68,400	1971	Mar. 4	6.97	45,600
1921	Feb. 9	14.0	51,800	1947	Jan. 20	7.47	44,800	1972	Jan. 10	6.20	35,700
1922	Mar. 11	10.1	34,800	1948	Mar. 7	6.11	29,800	1973	Dec. 16	6.80	43,400
1923	Dec. 19	10.3	35,700	1949	Nov. 29	8.94	61,800	1974	Apr. 5	5.84	31,400
1924	Sept.21	11.3	40,000								

02189020 INDIAN CREEK NEAR CARNESVILLE, GA.

LOCATION.--Lat 34°21'20", long 83°17'16", Franklin County, at culvert on State Highway 59, 3.2 mi west of Carnesville.

DRAINAGE AREA.--7.63 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 700 ft^3/s and extended above on basis of area-velocity determinations. Bankfull stage and discharge, 7 ft and 850 ft^3/s.

REMARKS.--Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 862	838
Q_5	= 1,430	1,380
Q_{10}	= 1,850	1,780
Q_{25}	= 2,430	2,330
Q_{50}	= 2,890	2,790
Q_{100}	= 3,380	3,260

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.931
Standard deviation	= 0.265
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 25	7.35	920	1968	June 8	4.16	444	1972	Jan. 10	6.06	699
1965	Mar. 25	4.58	495	1969	Apr. 18	7.95	1,080	1973	Apr. 7	7.31	912
1966	Mar. 4	8.16	1,160	1970	Aug. 10	2.59	279	1974	Dec. 31	6.75	803
1967	June 4	6.56	774	1971	Aug. 4	7.25	900				

02189030 STEPHENS CREEK TRIBUTARY AT CARNESVILLE, GA.

LOCATION.--Lat 34°21'51", long 83°13'16", Franklin County, at culvert on State Highway 145, 0.9 mi southeast of Carnesville.

DRAINAGE AREA.--0.39 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 8 ft^3/s and extended above on basis of culvert computations. Bankfull stage and discharge, 4 ft and 145 ft^3/s.

REMARKS.--Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 110	110
Q_5	= 165	168
Q_{10}	= 203	211
Q_{25}	= 253	268
Q_{50}	= 290	310
Q_{100}	= 330	356

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.045
Standard deviation	= 0.213
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 25	3.87	138	1968	June 11	2.77	66	1972	Jan. 10	2.73	64
1965	- -	-	d54	1969	Apr. 18	4.50	181	1973	May 12	4.07	152
1966	Mar. 4	4.37	173	1970	Sept. 4	2.67	60	1974	Dec. 31	3.81	134
1967	June 4	4.05	150	1971	July 25	2.73	64				

02189050 NORTH FORK BROAD RIVER SUBWATERSHED NO. 1 (NORTH FORK BROAD RIVER) ABOVE TOCCOA, GA.

LOCATION.--Lat 34°34'25", long 83°22'00", Stephens County, in pool of flood-detention reservoir on left side of downstream headwall of culvert under county road (abandoned railroad embankment), 1.5 mi west of Toccoa, and 2.2 mi upstream from Denmans Creek.

DRAINAGE AREA.--3.66 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 894.34 ft above mean sea level (levels by Soil Conservation Service).

REMARKS.--Peak discharges listed are computed inflow values (average for 15-minute interval).

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 322	345
Q_5 = 613	651
Q_{10} = 842	891
Q_{25} = 1,180	1,220
Q_{50} = 1,450	1,500
Q_{100} = 1,760	1,790

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.514
Standard deviation	= 0.324
Station skew	= -0.550
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1959	Sept. 7		186	1962	Dec. 12		295	1965	Oct. 4		85
1960	Feb. 5		174	1963	Mar. 6		839	1966	Feb. 13		577
1961	Feb. 25		571	1964	Jan. 25		610	1969	Aug. 22		308

02189500 NORTH FORK BROAD RIVER NEAR TOCCOA, GA.

LOCATION.--Lat 34°30'49", long 83°19'19", Stephens County, on right bank 50 ft upstream from relocated bridge on State Highway 106, 1 mi downstream from Carnes Creek, and 5 mi south of Toccoa.

DRAINAGE AREA.--19.3 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 750.41 ft above mean sea level (levels by U.S. Soil Conservation Service). Prior to July 14, 1960, at site 50 ft downstream at same datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,100 ft^3/s.

REMARKS.--Storm runoff affected for short periods by five flood-detention reservoirs (combined capacity 1,560 acre-ft).

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1955	Feb. 6	8.33	1,060	1960	Feb. 5	5.70	643	1965	Oct. 5	4.46	655
1956	Apr. 16	7.50	830	1961	Feb. 25	9.00	1,450	1966	Mar. 4	8.93	1,770
1957	Apr. 5	6.42	640	1962	Dec. 12	7.30	1,030	1967	June 4	5.83	998
1958	Feb. 26	5.90	570	1963	Mar. 6	10.30	2,000	1968	Mar. 12	5.87	1,210
1959	Sept. 7	6.14	730	1964	Jan. 25	8.51	1,540	1969	Jan. 20	6.30	1,140

02189600 NORTH FORK BROAD RIVER SUBWATERSHED NO. 6 (BEAR CREEK) NEAR MIZE, GA.

LOCATION.--Lat 34°29'07", long 83°18'38", Stephens County, at edge of pool 255 ft upstream from left end of earthfill dam on Bear Creek, 1 mi upstream from mouth, and 2 mi east of Mize.

DRAINAGE AREA.--3.62 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 743.13 ft above mean sea level (levels by Soil Conservation Service).

REMARKS.--Peak discharges listed are computed inflow values (average for 15-minute interval).

FLOOD-FREQUENCY DATA (ft^3/s)
13 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 420	420
Q_5 = 792	771
Q_{10} = 1,080	1,030
Q_{25} = 1,520	1,410
Q_{50} = 1,950	1,760
Q_{100} = 2,270	2,040

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.618
Standard deviation	= 0.328
Station skew	= 0.207
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1957	Apr. 5		287	1962	Dec. 12		457	1966	Mar. 4		728
1958	July 14		316	1963	Mar. 5		1,000	1967	June 4		267
1959	May 31		396	1964	Mar. 25		658	1968	Dec. 11		150
1960	Feb. 5		294	1965	Mar. 17		121	1969	Aug. 22		1,780
1961	Feb. 21		644								

02190000 NORTH FORK BROAD RIVER NEAR LAVONIA, GA.

LOCATION.--Lat 34°27'10", long 83°14'23", Franklin County, on right bank 50 ft above bridge on county road, 2.1 mi upstream from Toma Creek and 7.8 mi west of Lavonia.

DRAINAGE AREA.--42.0 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 680.36 ft above mean sea level (levels by Soil Conservation Service).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,750 ft^3/s.

HISTORICAL DATA.--Flood-stages of 1933 and 1950 based on information furnished by local resident.

REMARKS.--Storm runoff affected by eight small flood-detention reservoirs (combined capacity, 4,420 acre-ft).

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1933	- -	17.50	(b)	1959	May 31	11.00	1,060	1965	Mar. 26	8.56	800
1950	- -	15.50	(b)	1960	Feb. 5	9.64	1,010	1966	Mar. 4	11.25	1,920
1955	Feb. 7	11.80	1,500	1961	Feb. 21	11.50	1,770	1967	June 4	10.02	1,460
1956	Apr. 16	11.00	1,060	1962	Dec. 12	11.80	1,920	1968	Mar. 12	8.85	935
1957	Apr. 5	10.73	950	1963	Mar. 6	12.70	2,240	1969	Aug. 22	12.31	2,220
1958	Apr. 15	9.37	570	1964	Mar. 26	11.40	1,710				

02190100 NORTH FORK BROAD RIVER SUBWATERSHED NO. 11 (TOMS CREEK) NEAR EASTANOLLEE, GA.

LOCATION.--Lat 34°29'01", long 83°14'02", Stephens County, at edge of pool, about 750 ft upstream from left end of earthfill dam, 2 mi south of Eastanollee, and 4 mi upstream from mouth.

DRAINAGE AREA.--3.79 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 730.60 ft above mean sea level (levels by Soil Conservation Service.)

REMARKS.--Peak discharges listed are computed inflow values (average for 15-minute interval).

FLOOD-FREQUENCY DATA (ft^3/s)
13 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 521	503
Q_5 = 886	843
Q_{10} = 1,160	1,090
Q_{25} = 1,540	1,440
Q_{50} = 1,850	1,720
Q_{100} = 2,170	2,010

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.713
Standard deviation	= 0.276
Station skew	= 0.845
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1957	Apr. 5		335	1962	Dec. 12		521	1966	Mar. 4		679
1958	Aug. 24		360	1963	Mar. 6		1,020	1967	June 4		664
1959	Apr. 12		376	1964	Mar. 25		718	1968	Mar. 12		235
1960	Feb. 5		209	1965	July 28		379	1969	Aug. 22		2,270
1961	Feb. 25		565								

02190200 NORTH FORK BROAD RIVER SUBWATERSHED NO. 14 (TOMS CREEK TRIBUTARY) NEAR AVALON, GA.

LOCATION.--Lat 34°29'35", long 83°13'23", Stephens County, at upstream edge of crown in earthfill dam on unnamed tributary to Toms Creek, 0.8 mi upstream from mouth, and 1.6 mi southwest of Avalon.

DRAINAGE AREA.--1.20 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 735.33 ft above mean sea level (levels by Soil Conservation Service).

REMARKS.--Peak discharges listed are computed inflow values (average for 15-minute interval).

FLOOD-FREQUENCY DATA (ft^3/s)
14 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 336	312
Q_5 = 534	487
Q_{10} = 677	611
Q_{25} = 870	784
Q_{50} = 1,020	925
Q_{100} = 1,180	1,080

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.523
Standard deviation	= 0.243
Station skew	= -0.734
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1955	Feb. 26		128	1960	Mar. 30		274	1965	July 14		341
1956	July 5		628	1961	Feb. 21		319	1967	June 4		485
1957	July 24		166	1962	Dec. 12		352	1968	June 11		117
1958	Aug. 24		350	1963	Mar. 5		726	1969	Aug. 22		541
1959	July 18		432	1964	Mar. 25		439				

02190500 TOMS CREEK NEAR MARTIN, GA.

LOCATION.--Lat 34°27'47", long 83°13'19", Stephens County, on left bank 30 ft downstream from county road bridge, 1.2 mi upstream from mouth, and 3 mi southwest of Martin.

DRAINAGE AREA.--10.3 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 681.66 ft above mean sea level (levels by Soil Conservation Service).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 750 ft^3/s and extended above on basis of area-velocity study.

REMARKS.--Storm runoff at gage affected by four flood-detention reservoirs (combined capacity, 1,600 acre-ft).

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1955	Feb. 6	8.40	700	1960	Mar. 30	7.42	544	1965	July 28	6.33	563
1956	Mar. 16	8.41	726	1961	Feb. 21	8.80	880	1966	Mar. 4	7.74	795
1957	Apr. 5	7.88	304	1962	Dec. 12	8.15	830	1967	June 4	7.56	750
1958	Aug. 24	8.03	278	1963	Mar. 6	9.40	1,300	1968	Dec. 11	5.17	347
1959	May 31	6.92	484	1964	Mar. 25	7.84	810	1969	Aug. 22	10.10	1,540

02190800 DOUBLE BRANCH AT BOWERSVILLE, GA.

LOCATION.--Lat 34°22'51", long 83°05'28", Hart County, at culvert on State Highway 17 at Bowersville.

DRAINAGE AREA.--0.50 mi^2.

GAGE.--Crest-stage gage prior to Sept. 23, 1965; flood-stage recorder Sept. 23, 1965, to Nov. 15, 1967; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by culvert computations.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 196	183
Q_5	= 305	282
Q_{10}	= 382	352
Q_{25}	= 484	451
Q_{50}	= 563	531
Q_{100}	= 644	617

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.321
Standard deviation	= 0.237
Station skew	= -0.450
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1960	July 28	4.78	278	1965	-	-	d78	1970	-	-	d48
1961	Feb. 21	4.42	243	1966	Mar. 4	3.86	190	1971	June 27	3.04	115
1962	Dec. 12	4.27	230	1967	June 4	5.94	396	1972	Jan. 13	2.64	81
1963	Apr. 30	4.73	273	1968	Dec. 11	2.94	106	1973	May 27	5.34	336
1964	Apr. 6	4.76	275	1969	Apr. 18	6.47	449	1974	Dec. 31	3.04	115

02191000 NORTH FORK BROAD RIVER NEAR CARNESVILLE, GA.

LOCATION.--Lat 34°19'25", long 83°11'10", Franklin County, at bridge on State Highway 51, 1 mi downstream from Unawatti Creek, 3 mi upstream from confluence with Middle Fork Broad River, and 4.5 mi southeast of Carnesville.

DRAINAGE AREA.--119 mi^2.

GAGE.--Digital water-stage recorder. Datum of gage is 600.33 ft above mean sea level, datum of 1929, supplementary adjustment of 1936. October 1, 1942 to Dec. 31, 1944, wire-weight gage. April 29, 1954 to Sept. 27, 1963, graphic water-stage recorder and Sept. 28, 1963 to Dec. 17, 1964, digital water-stage recorder at site 125 ft upstream at same datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 5,000 ft^3/s and extended above on basis of slope-area measurements at 11,400 ft^3/s.

REMARKS.--Storm runoff affected for short periods since 1955 by small flood-detention reservoirs above gage. The combined capacity of these reservoirs is 9,520 acre-ft.

FLOOD-FREQUENCY DATA (ft^3/s)
17 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 3,740	3,690
Q_5	= 6,500	6,300
Q_{10}	= 8,640	8,290
Q_{25}	=11,700	10,900
Q_{50}	=14,000	13,000
Q_{100}	=16,500	15,100

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.568
Standard deviation	= 0.290
Station skew	= 0.278
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1943	Jan. 18	7.60	3,400	1959	June 1	5.20	1,330	1965	Mar. 26	6.55	2,200
1944	Mar. 29	6.80	2,670	1960	Feb. 5	6.81	2,670	1966	Mar. 4	10.68	6,250
1955	Feb. 7	5.70	1,800	1961	Feb. 21	14.60	11,400	1967	June 4	12.20	8,060
1956	Mar. 16	6.90	2,760	1962	Dec. 11	10.30	6,230	1968	Jan. 10	6.55	2,240
1957	Apr. 5	5.95	2,060	1963	Mar. 6	13.00	9,100	1969	Apr. 18	10.00	5,500
1958	Nov. 19	5.85	1,950	1964	Mar. 26	12.08	7,930				

02191200 HUDSON RIVER AT HOMER, GA.

LOCATION.--Lat 34°20'15", long 83°29'17", Banks County, on downstream side of center pier of bridge on State Highway 15 at Homer, 3.6 mi upstream from Webb Creek, and 10.8 mi upstream from Grove Creek.

DRAINAGE AREA.--61.1 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 694.61 ft above mean sea level. July 10, 1950 to June 19, 1959, crest-stage gage at site 60 ft downstream at same datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 5,100 ft^3/s. Bankfull stage and discharge, 6 ft, 550 ft^3/s.

REMARKS.--Peak discharge for 1953 is estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 2,020	2,050
Q_5 = 3,420	3,480
Q_{10} = 4,480	4,600
Q_{25} = 5,900	6,060
Q_{50} = 7,030	7,280
Q_{100} = 8,250	8,470

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.304
Standard deviation	=	0.272
Station skew	=	0.082
Regional or weighted skew	=	-0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Oct. 20	10.41	2,270	1959	May 31	8.06	1,120	1967	Jan. 8	9.66	1,920
1952	Mar. 4	13.76	5,660	1960	July 28	8.12	1,140	1968	Mar. 13	8.47	1,250
1953	Feb. 21	-	1,250	1961	Feb. 21	12.25	3,750	1969	Aug. 22	13.70	5,580
1954	Jan. 16	11.04	2,830	1962	Dec. 12	11.9	3,350	1970	Mar. 22	6.78	686
1955	Feb. 7	9.89	2,050	1963	Mar. 6	12.5	4,080	1971	Mar. 3	7.64	938
1956	Mar. 16	8.93	1,420	1964	Mar. 26	12.86	4,530	1972	May 14	10.34	2,330
1957	Apr. 5	8.60	1,290	1965	Mar. 25	8.15	1,180	1973	Mar. 17	9.44	1,780
1958	Apr. 15	6.87	792	1966	Mar. 4	12.38	3.950	1974	Jan. 1	11.27	2,980

02191270 SCULL SHOAL CREEK NEAR DANIELSVILLE, GA.

LOCATION.--Lat 34°09'30", long 83°09'51", Madison County, at State Highway 191, 4 mi northeast of Danielsville.

DRAINAGE AREA.--8.75 mi^2.

GAGE.--Crest-stage gage prior to Nov. 15, 1969; flood-stage recorder Nov. 15, 1967 to Apr. 2 1968; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 700 ft^3/s and extended above on basis of contracted-opening measurement at 4,380 ft^3/s. Bankfull stage and discharge, 8 ft and 500 ft^3/s.

REMARKS.--Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 638	646
Q_5 = 1,120	1,130
Q_{10} = 1,500	1,520
Q_{25} = 2,040	2,050
Q_{50} = 2,480	2,490
Q_{100} = 2,950	2,950

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.800
Standard deviation	=	0.297
Station skew	=	-
Regional or weighted skew	=	-0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	May 6	8.77	708	1968	Dec. 12	7.32	333	1972	Jan. 10	7.92	460
1965	June 12	8.27	551	1969	Jan. 20	8.98	792	1973	Mar. 31	10.70	1,670
1966	Mar. 4	9.89	1,200	1970	Mar. 20	5.52	131	1974	Dec. 31	6.54	220
1967	June 4	13.10	b4,380	1971	Mar. 3	9.39	956				

02191280 MILL SHOAL CREEK NEAR ROYSTON, GA.

LOCATION.--Lat 34°16'13", long 83°06'08", Hart County, at culvert on State Highway 17, 1.2 mi southeast of Royston.

DRAINAGE AREA.--0.32 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by culvert computations.

REMARKS.--Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 116	114
Q_5	= 195	192
Q_{10}	= 254	250
Q_{25}	= 335	330
Q_{50}	= 400	395
Q_{100}	= 467	464

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.060
Standard deviation	= 0.271
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 25	4.99	169	1968	Dec. 11	2.16	24	1972	Jan. 10	2.98	57
1965	Mar. 17	3.78	97	1969	Apr. 15	4.66	150	1973	Mar. 16	5.05	174
1966	Mar. 4	4.13	118	1970	- -	-	d15	1974	Jan. 21	4.45	137
1967	June 4	5.66	211	1971	July 5	3.96	108				

02191300 BROAD RIVER ABOVE CARLTON, GA.
(Prior to Jan. 1, 1918, published as "near Carlton")

LOCATION.--Lat 34°04'24", long 83°00'12", Madison County, at State Highway 72, 2.7 mi upstream from South Fork Broad River and 2.8 mi northeast of Carlton.

DRAINAGE AREA.--760 mi^2. At former site, 762 mi^2.

GAGE.--Nonrecording. Datum of gage is 404.6 ft (unadjusted) above mean sea level. Prior to Jan. 1, 1918, at Seaboard Coast Line Railway bridge about 0.75 mi downstream at datum 5.8 ft lower.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 8,300 ft^3/s and extended above, by logarithmic plotting at former site. Peak discharges 1913-18 are from rating table based on discharge measurements made 1898-1912. Defined by current-meter measurements below 20,000 ft^3/s at present site. Peaks 1918-49 are from rating table based on discharge measurements made after 1950. Bankfull stage and discharge, 15 ft and 8,000 ft^3/s.

REMARKS.--Stage record since Jan. 1, 1913, furnished by National Weather Service (formerly U.S. Weather Bureau).

FLOOD-FREQUENCY DATA (ft^3/s)
76 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	=13,700	13,600
Q_5	=22,800	22,400
Q_{10}	=29,500	28,800
Q_{25}	=38,700	37,400
Q_{50}	=45,900	44,300
Q_{100}	=53,600	51,300

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.132
Standard deviation	= 0.266
Station skew	= -0.117
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1898	Sept. 2	20.0	26,600	1925	Jan. 18	17.1	10,100	1950	Sept. 9	9.5	3,400
1899	Feb. 27	15.8	19,500	1926	Jan. 18	14.2	7,160	1951	Oct. 20	22.0	17,000
1900	Feb. 13	22.7	31,600	1927	Mar. 9	8.6	2,680	1952	Mar. 12	21.0	15,300
1901	Sept.18	14.8	17,800	1928	Aug. 16	26.0	24,500	1953	Feb. 22	16.0	8,800
1902	Feb. 28	28.2	43,200	1929	Mar. 5	25.2	22,900	1954	Jan. 17	[1]16.3	9,160
1903	Mar. 24	21.7	29,700	1930	Oct. 2	27.9	28,800	1955	Feb. 7	16.9	9,880
1904	Aug. 9	10.4	10,400	1931	Nov. 17	10.0	3,800	1956	Mar. 17	16.0	8,800
1905	Feb. 21	9.0	8,220	1932	Dec. 4	18.2	11,400	1957	Apr. 6	15.5	8,300
1906	Jan. 23	19.0	24,900	1933	Dec. 13	16.0	8,800	1958	Nov. 19	15.3	8,100
1907	Apr. 24	7.6	6,200	1934	June 3	15.5	8,300	1959	May 27	[1]14.5	7,400
1908	Aug. 25	39.0	70,000	1935	Oct. 11	16.0	8,800	1960	Jan. 31	15.6	8,400
1909	June 4	12.7	14,100	1936	Apr. 7	28.0	29,000	1961	Feb. 22	26.0	24,500
1910	Aug. 31	16.4	20,500	1937	Jan. 3	21.4	16,000	1962	Dec. 13	20.2	14,100
1911	Apr. 8	8.5	5,640	1938	Oct. 19	25.0	22,500	1963	May 1	22.4	17,700
1912	Mar. 15	28.0	42,800	1939	Aug. 18	24.2	21,000	1964	Mar. 27	25.2	22,900
1913	Mar. 15	22.0	30,300	1940	Aug. 13	22.0	17,000	1965	Mar. 25	17.5	10,600
1914	Dec. 29	10.8	11,000	1941	July 7	17.0	10,000	1966	Mar. 5	21.2	15,600
1915	Oct. 15	16.1	20,000	1942	Mar. 21	19.7	13,400	1967	June 5	23.1	19,000
1916	Dec. 18	18.4	23,900	1943	Jan. 18	23.1	19,000	1968	Jan. 11	14.80	7,640
1917	Mar. 27	13.3	15,200	1944	Mar. 20	17.0	10,000	1969	Jan. 21	21.40	16,000
1918	Aug. 3	12.0	5,400	1945	Mar. 25	17.9	11,100	1970	Mar. 22	13.80	6,840
1920	Dec. 10	28.2	29,500	1946	Jan. 7	21.5	16,200	1971	Mar. 3	22.50	18,000
1921	Feb. 10	23.7	20,100	1947	Jan. 20	19.0	12,400	1972	Jan. 11	21.20	15,600
1922	Feb. 15	17.8	11,000	1948	Mar. 7	15.0	7,800	1973	Mar. 17	21.40	16,000
1923	May 30	19.1	12,500	1949	Nov. 29	24.5	21,600	1974	Jan. 2	12.5	5,800
1924	Dec. 5	12.1	5,480								

[1] Maximum observed.

02191600 DOUBLE BRANCH NEAR DANIELSVILLE, GA.

LOCATION.--Lat 34°06'06", long 83°14'11", Madison County, at culvert on U.S. Highway 29, 1.8 mi south of Danielsville.

DRAINAGE AREA.--4.77 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 500 ft^3/s and extended above on basis of culvert computations. Bankfull stage and discharge, 6.0 ft and 520 ft^3/s.

REMARKS.--Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 517	515
Q_5 = 925	913
Q_{10} = 1,250	1,230
Q_{25} = 1,700	1,660
Q_{50} = 2,080	2,030
Q_{100} = 2,480	2,410

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.708
Standard deviation	= 0.305
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	July 18	7.83	1,110	1968	Dec. 11	4.44	274	1972	Jan. 10	4.60	295
1965	Oct. 4	5.30	400	1969	Jan. 20	5.58	442	1973	Mar. 31	7.18	854
1966	May 27	7.93	1,150	1970	Mar. 20	2.55	102	1974	Dec. 31	3.68	168
1967	June 4	10.68	b3,200	1971	Mar. 3	6.04	528				

02191750 FORK CREEK AT CARLTON, GA.

LOCATION.--Lat 34°02'55", long 83°01'16", Madison County, at State Highway 72, at Carlton.

DRAINAGE AREA.--16 mi^2, with 13.8 mi^2 contributing to flow.

GAGE.--Crest-stage gage prior to Nov. 16, 1967; flood-stage recorder Nov. 16, 1967 to Apr. 2, 1968; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,900 ft^3/s. Bankfull stage and discharge, 6 ft and 910 ft^3/s.

REMARKS.--2.2 mi^2 almost completely controlled by small dam in headwaters. Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 990	984
Q_5 = 1,570	1,570
Q_{10} = 1,990	2,010
Q_{25} = 2,540	2,580
Q_{50} = 2,980	3,040
Q_{100} = 3,430	3,500

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.992
Standard deviation	= 0.241
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	May 6	6.97	1,240	1968	Jan. 10	4.03	493	1972	Jan. 10	4.13	511
1965	Oct. 4	4.17	519	1969	Jan. 20	6.50	1,080	1973	May 28	7.43	1,410
1966	Mar. 4	6.72	1,150	1970	Mar. 20	3.63	429	1974	Apr. 4	3.95	480
1967	June 4	8.53	1,920	1971	Mar. 3	6.88	1,210				

02191890 BROOKS CREEK NEAR LEXINGTON, GA.

LOCATION.--Lat 33°50'30", long 83°05'22", Oglethorpe County, at State Highway 22, 2.2 mi south of Lexington.

DRAINAGE AREA.--12.3 mi^2.

GAGE.--Crest-stage gage prior to Nov. 16, 1967; flood-stage recorder, Nov. 16, 1967 to Apr. 3, 1968; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 740 ft^3/s and extended above on basis of contracted-opening measurement at 2,500 ft^3/s. Bankfull stage and discharge, 8.5 ft and 590 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 846	853
Q_5 = 1,710	1,630
Q_{10} = 2,450	2,250
Q_{25} = 3,580	3,080
Q_{50} = 4,560	3,810
Q_{100} = 5,650	4,510

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.921
Standard deviation	= 0.369
Station skew	= -0.273
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 25	11.90	2,370	1968	Jan. 11	8.25	490	1972	Jan. 11	8.39	546
1965	Oct. 4	9.81	1,160	1969	Jan. 20	9.85	1,180	1973	Apr. 1	9.14	871
1966	Oct. 1	11.11	1,820	1970	Mar. 19	7.09	244	1974	Apr. 4	8.78	711
1967	May 22	6.80	211	1971	Aug. 19	12.39	2,710				

02191910 TROUBLE CREEK AT LEXINGTON, GA.

LOCATION.--Lat 33°52'24", long 83°06'00", Oglethorpe County, at culvert on State Highway 77, 0.6 mi northeast of Lexington.

DRAINAGE AREA.--2.70 mi^2.

GAGE.--Crest-stage gage prior to Sept. 23, 1965; flood-stage recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 32 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
16 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 212	224
Q_5 = 388	414
Q_{10} = 528	566
Q_{25} = 730	783
Q_{50} = 897	959
Q_{100} = 1,080	1,170

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.321
Standard deviation	= 0.316
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1959	May 31	5.04	110	1965	Oct. 4	5.80	164	1970	Mar. 19	4.18	64
1960	Jan. 31	3.95	54	1966	Oct. 1	6.51	221	1971	Mar. 3	10.12	569
1961	Mar. 31	4.16	63	1967	June 22	4.91	103	1972	June 20	4.76	94
1962	Feb. 22	6.05	184	1968	July 9	5.38	133	1973	Mar. 31	6.44	215
1963	Apr. 30	4.10	60	1969	Apr. 18	6.58	226	1974	Apr. 4	6.11	189
1964	Apr. 6	6.64	231								

02191930 BUFFALO CREEK NEAR LEXINGTON, GA.

LOCATION.--Lat 33°46'40", long 83°03'01", Oglethorpe County, at culvert on State Highway 22, 7 mi southeast of Lexington.

DRAINAGE AREA.--5.80 mi^2.

GAGE.--Flood-stage rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 450 ft^3/s and extended above based on culvert computations. Bankfull stage and discharge, 6 ft and 620 ft^3/s.

REMARKS.--Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 630	622
Q_5 = 1,010	1,000
Q_{10} = 1,280	1,280
Q_{25} = 1,650	1,650
Q_{50} = 1,940	1,950
Q_{100} = 2,240	2,260

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.795
Standard deviation	= 0.246
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 25	5.83	572	1968	Jan. 11	4.15	248	1972	Jan. 10	5.11	397
1965	Dec. 25	5.48	485	1969	Apr. 18	7.83	1,210	1973	Apr. 7	5.09	393
1966	Apr. 26	5.63	522	1970	Mar. 20	5.06	387	1974	Apr. 4	5.38	460
1967	Mar. 10	6.68	824	1971	Mar. 3	7.84	1,210				

02191960 MACKS CREEK NEAR LEXINGTON, GA.

LOCATION.--Lat 33°55'16", long 83°59'05", Oglethorpe County, at culvert on State Highway 77, 8 mi northeast of Lexington.

DRAINAGE AREA.--3.45 mi^2.

GAGE.--Crest-stage gage prior to Sept. 23, 1965; flood-stage recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 90 ft^3/s and extended above, based on culvert computations. Bankfull stage and discharge, 5.5 ft and 295 ft^3/s.

REMARKS.--Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
16 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 257	270
Q_5 = 427	458
Q_{10} = 553	603
Q_{25} = 727	801
Q_{50} = 865	955
Q_{100} = 1,010	1,120

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.405
Standard deviation	= 0.266
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1959	May 31	3.52	120	1965	Oct. 4	4.32	167	1970	Mar. 19	1.94	48
1960	Jan. 31	4.85	195	1966	Oct. 1	4.26	164	1971	Mar. 3	8.70	732
1961	Mar. 31	5.20	253	1967	June 27	4.76	197	1972	Aug. 11	2.91	86
1962	Feb. 22	5.49	300	1968	June 8	4.66	188	1973	Apr. 1	5.05	232
1963	June 17	6.09	378	1969	Jan. 19	5.39	280	1974	Apr. 4	2.78	81
1964	Apr. 6	6.40	430								

02191970 LITTLE MACKS CREEK TRIBUTARY NEAR LEXINGTON, GA.

LOCATION.--Lat 33°56'09", long 82°57'41", Oglethorpe County, on right bank, 10 ft upstream from end of culvert wingwall on State Highway 77, 11.3 mi northeast of junction with U.S. Highway 78, in Lexington.

DRAINAGE AREA.--1.77 mi^2.

GAGE.--Crest-stage gage prior to Sept. 29; 1965; flood-stage, rainfall recorder Sept. 24, 1965 to July 1, 1970; water-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 15 ft^3/s and extended above, on basis of culvert computations. Bankfull stage and discharge, 10 ft and 3,350 ft^3/s.

REMARKS.--Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
14 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 211	217
Q_5	= 381	393
Q_{10}	= 516	533
Q_{25}	= 710	732
Q_{50}	= 869	893
Q_{100}	= 1,040	1,070

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.319
Standard deviation	= 0.310
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1960	Jan. 31	3.22	128	1965	Oct. 4	5.13	290	1971	Mar. 3	7.05	494
1961	Apr. 27	3.44	145	1966	Oct. 1	4.28	212	1972	Aug. 11	2.39	71
1962	Feb. 22	5.10	288	1967	June 26	6.04	388	1973	Apr. 1	5.16	294
1963	June 17	4.11	200	1969	Jan. 19	4.12	198	1974	Apr. 4	3.00	112
1964	Apr. 6	5.78	360	1970	Mar. 19	1.90	44				

02192000 BROAD RIVER NEAR BELL, GA.

LOCATION.--Lat 33°58'27", long 82°46'12", Elbert County, at downstream side of main channel pier of bridge on State Highway 17, 0.5 mi downstream from Long Creek, 1 mi south of Bells Crossroads, and 12 mi southeast of Elberton.

DRAINAGE AREA.--1,430 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 357.16 ft above mean sea level. Prior to October 1928, nonrecording gage at railroad bridge about 1 mi downstream at datum 1.12 ft lower. October 1928 to July 1932, and August 1937 to January 1939, nonrecording gage at present site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 34,000 ft^3/s and extended above, on basis of slope-conveyance studies. Bankfull stage and discharge, 18 ft and 14,500 ft^3/s.

HISTORICAL DATA.--Flood of Oct. 2, 1929, thought to be highest since 1908 based on records at station on Broad River at Carlton (02191300).

REMARKS.--Stage records for 1927-28 from Alabama Power Co., for 1929-30 from Allied Engineers Inc., and for 1931-32 from Commonweatlh and Southern Corp.

FLOOD-FREQUENCY DATA (ft^3/s)
43 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 22,300	-
Q_5	= 33,200	-
Q_{10}	= 40,100	-
Q_{25}	= 48,600	-
Q_{50}	= 54,600	-
Q_{100}	= 60,400	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.333
Standard deviation	= 0.219
Station skew	= -0.603
Regional or weighted skew	= -0.382

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1927	Dec. 29	13.5	9,830	1947	Jan. 21	24.4	26,900	1961	Feb. 23	23.0	24,300
1928	Aug. 16	28.1	44,900	1948	Feb. 10	21.3	19,900	1962	Dec. 14	21.4	20,600
1929	Mar. 6	29.5	43,500	1949	Nov. 29	30.3	47,400	1963	May 1	25.1	30,000
1930	Oct. 2	34.80	a79,400	1950	Mar. 14	9.18	4,420	1964	Mar. 27	26.52	34,600
1931	Nov. 17	12.0	7,140	1951	Oct. 22	22.8	22,900	1965	Oct. 6	21.0	19,800
1932	June 16	18.2	14,800	1952	Mar. 5	24.3	27,700	1966	Mar. 3	24.78	29,100
1938	July 26	24.1	25,100	1953	Feb. 23	16.5	12,500	1967	June 5	27.06	36,500
1939	Aug. 19	21.4	20,300	1954	Jan. 18	18.0	14,700	1968	Jan. 11	19.16	16,600
1940	Aug. 14	25.1	28,400	1955	Feb. 8	18.0	14,700	1969	Jan. 21	25.55	31,400
1941	July 17	17.8	14,600	1956	Mar. 18	19.7	17,400	1970	Mar. 23	18.16	15,000
1942	Mar. 22	25.4	29,100	1957	Apr. 7	16.1	11,900	1971	Mar. 4	27.42	37,900
1943	Jan. 19	27.2	33,300	1958	Apr. 17	18.3	15,200	1972	Jan. 12	23.87	26,600
1944	Mar. 21	21.0	20,000	1959	June 2	19.3	16,800	1973	Dec. 22	24.12	27,200
1945	Apr. 26	23.3	24,500	1960	Feb. 1	20.0	17,900	1974	Jan. 3	20.22	18,300
1946	Jan. 8	24.8	27,800								

02192300 HOG FORK FISHING CREEK TRIBUTARY NEAR TIGNALL, GA.

LOCATION.--Lat 33°49'05", long 82°45'21", Wilkes County, at culvert on State Highway 17, 4.2 mi south of Tignall.

DRAINAGE AREA.--0.097 mi^2.

GAGE.--Crest-stage gage prior to Jan. 11, 1967; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by culvert computations.

REMARKS.--Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
16 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 44	44
Q_5	= 66	68
Q_{10}	= 80	85
Q_{25}	= 100	108
Q_{50}	= 114	125
Q_{100}	= 129	143

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	1.640
Standard deviation	=	0.209
Station skew	=	-
Regional or weighted skew	=	-0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1959	May 31	7.55	52	1965	Dec. 25	7.50	50	1970	Mar. 20	5.71	c8
1960	- -		d35	1966	Mar. 4	7.87	59	1971	Sept. 1	9.41	116
1961	- -		d35	1967	Mar. 10	6.96	36	1972	June 28	7.43	48
1962	- -		d35	1968	June 8	7.41	47	1973	June 28	7.57	51
1963	- -		d35	1969	Apr. 18	8.66	85	1974	Jan. 29	6.74	c29
1964	Apr. 6	7.33	46								

02192400 ANDERSON MILL CREEK NEAR DANBURG, GA.

LOCATION.--Lat 33°48'55", long 82°41'35", Wilkes County, at culvert on State Highway 44, 4.2 mi southwest of Danburg.

DRAINAGE AREA.--5.49 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 440 ft^3/s and extended above, on basis of culvert computations.

REMARKS.--Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 527	529
Q_5	= 921	921
Q_{10}	= 1,220	1,220
Q_{25}	= 1,650	1,640
Q_{50}	= 2,000	1,990
Q_{100}	= 2,370	2,350

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.717
Standard deviation	=	0.292
Station skew	=	-
Regional or weighted skew	=	-0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Apr. 6	6.72	744	1968	June 8	4.07	301	1972	June 28	6.32	668
1965	Dec. 25	6.93	786	1969	Apr. 18	8.46	1,110	1973	Feb. 2	7.16	832
1966	Mar. 4	6.63	726	1970	Mar. 19	3.28	211	1974	Jan. 30	2.90	185
1967	Mar. 10	3.46	218	1971	Sept. 1	7.71	942				

02192420 ANDERSON MILL CREEK TRIBUTARY NEAR DANBURG, GA.

LOCATION.--Lat 33°49'42", long 82°41'13", Wilkes County, at culvert on State Highway 44, 3.5 mi southwest of Danburg.

DRAINAGE AREA.--0.92 mi^2.

GAGE.--Flood-stage recorder.

STAGE-DISCHARGE RELATION.--Defined by culvert computations.

REMARKS.--Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 127	132
Q_5	= 244	254
Q_{10}	= 340	353
Q_{25}	= 483	498
Q_{50}	= 605	620
Q_{100}	= 737	751

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.098
Standard deviation	= 0.342
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 25	5.14	180	1968	Apr. 5	2.87	36	1972	June 28	5.51	210
1965	Dec. 25	5.31	194	1969	Apr. 18	7.30	373	1973	Feb. 2	6.20	268
1966	Mar. 4	4.86	158	1970	Mar. 19	2.72	28	1974	Jan. 30	3.74	82
1967	Mar. 10	3.17	52	1971	Mar. 3	5.85	237				

02192500 LITTLE RIVER NEAR MOUNT CARMEL, S.C.

LOCATION.--Lat 34°04'13", long 82°30'02", McCormick County, on right bank 480 ft downstream from Island Ford Bridge, 2.8 mi upstream from Calhoun Creek and 4.5 mi north of Mount Carmel.

DRAINAGE AREA.--217 mi^2.

GAGE.--Water-stage recorder prior to 1970; crest-stage gage thereafter. Datum of gage is 353.97 ft above mean sea level, by Georgia Power Company).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 13,000 ft^3/s and extended by logarithmic plotting. Bankfull stage and discharge, 12 ft and 2,500 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
35 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 4,950	
Q_5	= 7,960	
Q_{10}	= 10,200	
Q_{25}	= 13,100	
Q_{50}	= 15,400	
Q_{100}	= 17,800	

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.690
Standard deviation	= 0.249
Station skew	= -0.058
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1940	Aug. 14	29.60	20,800	1952	Mar. 4	19.47	6,610	1964	Mar. 27	23.11	10,000
1941	July 17	22.23	9,020	1953	May 1	12.68	2,970	1965	Mar. 25	19.76	6,800
1942	Mar. 22	19.18	6,400	1954	Jan. 17	13.93	3,490	1966	Mar. 5	18.96	6,230
1943	Jan. 19	20.37	7,310	1955	Feb. 7	15.64	4,310	1967	Aug. 25	11.79	2,390
1944	Mar. 20	20.90	8,020	1956	Mar. 17	14.34	3,450	1968	Jan. 11	16.70	4,900
1945	Apr. 26	16.88	5,020	1957	Apr. 5	9.23	1,900	1969	Jan. 21	19.61	6,690
1946	Dec. 25	13.00	3,210	1958	Nov. 19	18.20	5,760	1970	Mar. 22	10.63	1,950
1947	Jan. 20	17.35	5,300	1959	Sept. 7	17.57	5,400	1971	Mar. 3	22.64	9,500
1948	Nov. 11	12.81	3,130	1960	Jan. 31	15.60	4,300	1972	Jan. 11	18.99	6,260
1949	Nov. 29	22.55	9,350	1961	Mar. 9	14.92	3,970	1973	Apr. 1	23.60	10,600
1950	July 25	8.74	1,760	1962	Feb. 23	15.86	4,580	1974	Jan. 10	14.62	3,760
1951	Apr. 2	7.55	1,440	1963	Apr. 30	15.84	4,400				

02193300 STEPHENS CREEK NEAR CRAWFORDVILLE, GA.

LOCATION.--Lat 33°36'05", long 82°55'28", Taliaferro County, at culvert on State Highway 22, 3.5 mi northwest of Crawfordville.

DRAINAGE AREA.--6.30 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 250 ft^3/s and extended above, on basis of culvert computations.

REMARKS.--Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 934	889
Q_5 = 1,440	1,370
Q_{10} = 1,800	1,710
Q_{25} = 2,280	2,170
Q_{50} = 2,640	2,530
Q_{100} = 3,020	2,930

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.966
Standard deviation	= 0.228
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 25	8.17	1,210	1968	Jan. 10	6.00	400	1972	Jan. 11	6.02	444
1965	Dec. 25	9.12	1,870	1969	Apr. 18	9.62	2,270	1973	Apr. 7	7.13	727
1966	May 22	7.98	1,110	1970	Mar. 21	7.58	911	1974	Apr. 4	7.08	708
1967	Mar. 10	6.08	460	1971	Mar. 2	7.28	787				

02193400 HARDEN CREEK NEAR SHARON, GA.

LOCATION.--Lat 33°33'10", long 82°50'15", Taliaferro County, at culvert on State Highway 47, 2.5 mi west of Sharon.

DRAINAGE AREA.--3.98 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 130 ft^3/s and extended above, on basis of culvert computations.

REMARKS.--Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 580	564
Q_5 = 897	876
Q_{10} = 1,120	1,100
Q_{25} = 1,420	1,400
Q_{50} = 1,640	1,640
Q_{100} = 1,880	1,880

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.760
Standard deviation	= 0.228
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Apr. 6	6.22	1,060	1968	Jan. 10	3.44	222	1972	Jan. 10	4.03	286
1965	Dec. 26	5.73	710	1969	Aug. 3	5.87	787	1973	Feb. 1	5.92	819
1966	June 10	4.48	352	1970	Mar. 21	5.48	597	1974	Apr. 4	3.54	232
1967	Mar. 10	5.09	472	1971	Mar. 2	4.94	438				

02193500 LITTLE RIVER NEAR WASHINGTON, GA.

LOCATION.--Lat 33°36'40", long 82°44'40", Wilkes County, near left bank on downstream side of highway bridge pier, 700 ft downstream from Reedy Creek, 4 mi downstream from Georgia Railroad bridge, 6 mi upstream from Williams Creek, and 9 mi south of Washington.

DRAINAGE AREA.--291 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 360 ft (by barometer).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 13,000 ft^3/s. Bankfull stage and discharge, 18 ft and 6,400 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
22 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 6,240	6,190
Q_5 = 10,800	10,600
Q_{10} = 14,400	14,000
Q_{25} = 19,400	18,400
Q_{50} = 23,400	22,100
Q_{100} = 27,700	25,600

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.791
Standard deviation	= 0.289
Station skew	= -0.720
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1950	Oct. 8	17.6	3,790	1958	Apr. 17	24.4	9,220	1965	Dec. 27	27.56	13,100
1951	Oct. 22	13.4	2,160	1959	June 3	16.2	3,140	1966	Mar. 5	22.82	7,440
1952	Mar. 4	27.6	13,100	1960	Jan. 31	22.9	7,910	1967	Mar. 11	18.58	4,390
1953	May 1	24.8	9,880	1961	Feb. 25	24.1	9,110	1968	Jan. 11	19.37	4,950
1954	Feb. 21	10.0	1,300	1962	Feb. 23	23.6	8,500	1969	Apr. 19	25.71	10,300
1955	Feb. 8	13.8	2,280	1963	Jan. 21	21.53	6,710	1970	Mar. 22	22.67	7,360
1956	Apr. 12	20.3	5,680	1964	May 3	27.84	13,400	1971	Mar. 3	27.93	15,500
1957	Mar. 26	17.0	3,480								

02193600 ROCKY CREEK NEAR WASHINGTON, GA.

LOCATION.--Lat 33°42'55", long 82°44'42", Wilkes County, at culvert on State Highway 47, 1.5 mi south of Washington.

DRAINAGE AREA.--1.14 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 25 ft^3/s and extended above, on basis of culvert computations.

REMARKS.--Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 373	351
Q_5 = 590	551
Q_{10} = 746	694
Q_{25} = 955	889
Q_{50} = 1,120	1,050
Q_{100} = 1,280	1,210

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.568
Standard deviation	= 0.240
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 25	5.01	303	1968	July 10	3.43	164	1972	Aug. 11	4.97	299
1965	Dec. 25	6.96	515	1969	Apr. 18	8.28	673	1973	Feb. 2	6.30	436
1966	Mar. 4	6.48	458	1970	Mar. 19	3.88	200	1974	Jan. 30	4.46	249
1967	July 1	6.65	478	1971	Sept. 1	6.40	448				

02194000 LITTLE RIVER NEAR LINCOLNTON, GA.

LOCATION.--Lat 33°38'40", long 82°28"40", Lincoln County, on downstream side of Raysville Bridge on State Highway 43, 0.5 mi downstream from Big Creek, 2.5 mi south of Amity, and 10 mi south of Lincolnton.

DRAINAGE AREA.--574 mi^2.

GAGE.--Nonrecording. Datum of gage is 271.7 ft above mean sea level (unadjusted).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 17,000 ft^3/s and extended above, on basis of slope-conveyance studies.

HISTORICAL DATA.--Flood-stage of Sept. 28, 1929, based on information furnished by local resident. This is thought to be highest flood since 1908, based on information at nearby stations.

REMARKS.--This station inundated by Clark Hill Reservoir.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	= 8,140	8,390
Q_5	= 13,600	13,800
Q_{10}	= 17,400	18,000
Q_{25}	= 22,400	23,100
Q_{50}	= 26,300	27,600
Q_{100}	= 30,100	31,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.897
Standard deviation	= 0.276
Station skew	= -0.450
Regional or weighted skew	= -0.296

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1929	Sept.28	44.3	a54,000	1946	Dec. 25	12.2	4,920	1949	Nov. 29	23.0	12,400
1943	Jan. 19	20.0	9,580	1947	Mar. 8	20.4	9,920	1950	Oct. 8	19.4	9,100
1944	Mar. 23	26.4	16,900	1948	Feb. 10	20.2	9,750	1951	Feb. 8	6.4	2,090
1945	Apr. 25	12.4	5,040								

02195000 SAVANNAH RIVER NEAR CLARKS HILL, S. C.

LOCATION.--Lat 33°38'40", long 82°12'05", McCormick County, on right bank 1.2 mi downstream from Clark Hill Reservoir dam, 2.4 mi southwest of Clark Hill, 2.5 mi upstream from Kiokee Creek and at mile 236.5.

DRAINAGE AREA.--6,150 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 182.69 ft above mean sea level (levels by Corps of Engineers).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements. Bankfull stage and discharge, 17 ft and 66,000 ft^3/s.

REMARKS.--Peak discharges regulated by storage in Hartwell Reservoir (maximum flood-control storage, 1,708,600 acre-ft) since 1959, and Clark Hill Reservoir (maximum flood-control storage, 1,730,000 acre-ft) since 1951. Minor regulation from Lake Burton and Mathis Reservoir (See station 02184000.).

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1940	Aug. 14	29.34	196,000	1945	Apr. 26	15.72	61,200	1950	Oct. 9	11.61	36,800
1941	July 8	14.12	54,900	1946	Jan. 8	22.11	110,000	1951	Oct. 22	14.54	48,700
1942	Mar. 23	20.77	99,300	1947	Jan. 21	19.99	87,000	1952	Mar. 7	[1]11.56	35,400
1943	Jan. 20	22.16	111,000	1948	Feb. 10	16.61	63,600	1953	May 7	10.52	30,000
1944	Mar. 21	22.31	111,000	1949	Nov. 30	26.35	154,000	1954	Mar. 30	10.67	30,000

[1]Occurred on Mar. 25, 1952.

02196000 STEVENS CREEK NEAR MODOC, S.C.

LOCATION.--Lat 33°43'45", long 82°10'55", McCormick County, on left bank at bridge on State Highway 23, 1.4 mi east of Modoc, and 3.2 mi downstream from Turkey Creek.

DRAINAGE AREA.--545 mi^2.

GAGE.--Nonrecording prior to Oct. 1, 1931, at site 1,100 ft upstream at different datum; water-stage recorder thereafter. Datum of gage is 197.24 ft above mean sea level (levels by Southeastern Power Administration).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,200 ft^3/s at former site. Defined by current-meter measurements below 30,000 ft^3/s. Bankfull stage and discharge, 19 ft and 6,500 ft^3/s.

REMARKS.--Peaks are from graph based on gage readings by Corps of Engineers prior to Oct. 1, 1931.

FLOOD-FREQUENCY DATA (ft^3/s)
35 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE
Q_2 = 12,200
Q_5 = 18,600
Q_{10} = 23,100
Q_{25} = 29,000
Q_{50} = 33,500
Q_{100} = 38,100

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)
Mean = 4.081
Standard deviation = 0.222
Station skew = -0.402
Regional or weighted skew = -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1930	Oct. 1	52.5	(b)	1951	Apr. 3	19.66	6,760	1963	Mar. 13	23.44	10,100
1931	Apr. 1	20.66	5,550	1952	Mar. 5	30.59	18,200	1964	Aug. 31	38.89	30,900
1941	June 25	[1]18.43	6,000	1953	Feb. 15	21.51	8,360	1965	Dec. 27	32.90	20,700
1942	Mar. 22	29.64	16,800	1954	Jan. 16	14.47	4,110	1966	Mar. 5	27.13	13,200
1943	Jan. 19	25.70	18,700	1955	Apr. 15	24.75	11,300	1967	May 23	20.28	7,020
1944	Mar. 21	35.88	26,200	1956	Apr. 12	22.74	9,430	1968	Jan. 11	28.15	14,400
1945	Apr. 25	20.10	7,220	1957	May 5	20.32	7,330	1969	Apr. 16	34.25	22,700
1946	Dec. 26	25.27	11,800	1958	Apr. 16	28.87	15,900	1970	Mar. 22	24.66	10,800
1947	Mar. 8	24.41	11,000	1959	Mar. 6	20.60	7,600	1971	Mar. 3	32.47	20,100
1948	Feb. 10	27.36	14,200	1960	Jan. 31	29.07	16,100	1972	Jan. 12	27.07	13,200
1949	Nov. 29	30.27	17,700	1961	Feb. 25	31.26	19,000	1973	Apr. 1	27.92	14,100
1950	Mar. 7	14.50	4,060	1962	Jan. 7	32.57	20,900	1974	Apr. 5	27.28	13,400

[1]Occurred at different time than peak discharge.

02197000 SAVANNAH RIVER AT AUGUSTA, GA.

LOCATION.--Lat 33°22'25", long 81°56'35", Richmond County, at New Savannah Bluff Lock and Dam, 0.2 mi upstream from Butler Creek, 12 mi downstream from Augusta, and at mile 187.4.

DRAINAGE AREA.--7,508 mi^2, including that at Butler Creek; 7,240 mi^2 at former site.

GAGE.--Water-stage recorder. Datum of gage is 96.58 ft above mean sea level (Corps of Engineers benchmark). September 3, 1875 to Sept. 30, 1932; nonrecording or recording gage at Fifth Street Bridge at datum 102.56 ft above mean sea level (levels by Southeastern Engineering Co.). October 1, 1932 to Sept. 30, 1936, recording gage at Thirteenth Street Bridge at datum 104.56 ft above mean sea level (levels by Corps of Engineers). October 1, 1936 to Nov. 10, 1948, recording gage at site 0.2 mi downstream from present site at present datum.

STAGE-DISCHARGE RELATION.--Defined for period prior to levee construction (completed in 1914) by current-meter measurements below 127,000 ft^3/s and by slope-conveyance study at 360,000 ft^3/s. Defined for subsequent period by current-meter measurements below 300,000 ft^3/s and by computation of flow over Stevens Creek Dam to 350,000 ft^3/s. Bankfull stage and discharge, 21 ft and 36,000 ft^3/s. At site used prior to Oct. 1, 1936, bankfull stage and discharge, 32 ft and approximately 110,000 ft^3/s.

HISTORICAL DATA.--The crest of great floods during the period 1796 to 1975 were marked by local residents.

REMARKS.--Peaks for periods of nonrecording gage are from graphs based on gage readings by the U.S. Weather Bureau (now National Weather Service) and the city of Augusta. Gage heights for June 11, 1927 to July 31, 1932, furnished by Savannah River Electric Co. Subsequent to Sept. 30, 1938, gage heights collected in cooperation with Corps of Engineers. Peak discharges since December 1951 affected by storage in Clark Hill Lake (maximum flood-control storage, 1,730,000 acre-ft) and since 1959 by Hartwell Lake (maximum flood-control storage, 1,708,000 acre-ft). Minor regulation from Lake Burton and Mathis Reservoir (See station 02184000.).

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1796	- -	40	a360,000	1906	Jan. 5	29.6	96,600	1941	July 8	22.89	53,300
1840	May 28	37.8	a270,000	1907	Oct. 5	23.6	52,000	1942	Mar. 23	24.56	105,000
1852	Aug. 29	37.4	a250,000	1908	Aug. 27	38.8	a307,000	1943	Jan. 20	25.10	117,000
1865	Jan. 11	36.9	a240,000	1909	June 5	28.7	87,300	1944	Mar. 22	25.53	128,000
1870	May 28		a270,000	1910	Mar. 2	26.4	69,800	1945	Apr. 27	23.16	64,000
1876	Dec. 30	28.6	86,400	1911	Apr. 14	19.1	32,800	1946	Jan. 9	24.43	97,200
1877	Apr. 14	31.4	119,000	1912	Mar. 17	36.8	234,000	1947	Jan. 22	23.97	86,000
1878	Nov. 23	23.5	51,500	1913	Mar. 16	35.1	156,000	1948	Feb. 10	23.90	83,200
1879	Aug. 3	22.0	44,000	1914	Dec. 31	24.3	48,000	1949	Nov. 30	26.61	154,000
1880	Dec. 16	30.1	102,000	1915	Jan. 20	28.2	61,000	1950	Oct. 9	20.10	32,500
1881	Mar. 18	32.2	130,000	1916	Feb. 3	31.0	82,400	1951	Oct. 22	22.32	46,300
1882	Sept.12	29.3	93,300	1917	Mar. 6	29.2	68,000	1952	Mar. 6	21.53	39,300
1883	Jan. 22	30.8	111,000	1918	Jan. 30	25.5	45,500	1953	May 8	20.80	35,200
1884	Apr. 16	28.0	81,000	1919	Dec. 24	35.0	128,000	1954	Mar. 30	17.39	25,500
1885	Jan. 26	27.5	77,000	1920	Dec. 11	35.4	133,000	1955	Apr. 15	16.77	23,900
1886	May 21	32.5	135,000	1921	Feb. 11	35.1	129,000	1956	Apr. 12	14.70	18,600
1887	July 31	34.5	173,000	1922	Feb. 16	32.0	92,000	1957	May 7	14.08	18,000
1888	Sept.11	38.7	a303,000	1923	Feb. 28	28.0	59,700	1958	Apr. 18	22.91	66,300
1889	Feb. 19	33.3	149,000	1924	Sept.22	28.0	59,700	1959	June 8	18.65	28,500
1890	Feb. 27	22.9	48,500	1925	Jan. 20	36.5	150,000	1960	Feb. 14	20.58	34,900
1891	Mar. 10	35.5	197,000	1926	Jan. 20	27.3	55,300	1961	Apr. 2	20.56	34,800
1892	Jan. 20	32.8	140,000	1927	Dec. 30	24.0	39,000	1962	Jan. 9	20.09	32,500
1893	Feb. 14	25.0	60,000	1928	Aug. 17	40.4	226,000	1963	Mar. 23	19.52	31,300
1894	Aug. 7	24.0	54,000	1929	Sept.27	46.3	a343,000	1964	Apr. 9	24.16	87,100
1895	Jan. 11	30.4	106,000	1930	Oct. 2	45.1	a350,000	1965	Dec. 27	20.62	34,600
1896	July 10	30.5	107,000	1931	Nov. 17	19.9	26,100	1966	Mar. 6	21.50	39,300
1897	Apr. 6	29.3	93,300	1932	Jan. 9	30.4	93,800	1967	Aug. 25	18.10	26,500
1898	Sept. 2	31.3	117,000	1933	Oct. 18	30.3	92,600	1968	Jan. 12	20.94	35,900
1899	Feb. 8	31.0	113,000	1934	Mar. 5	28.5	73,200	1969	Apr. 21	22.24	45,600
1900	Feb. 15	32.7	138,000	1935	Mar. 14	27.4	63,700	1970	Apr. 1	17.68	25,200
1901	Apr. 4	31.8	124,000	1936	Apr. 8	41.2	a258,000	1971	Mar. 5	23.30	63,900
1902	Mar. 1	34.6	175,000	1937	Jan. 4	30.1	91,400	1972	Jan. 20	20.36	33,700
1903	Feb. 9	33.2	147,000	1938	Oct. 21	30.1	91,400	1973	Apr. 8	21.63	40,200
1904	Aug. 10	25.5	63,000	1939	Mar. 2	24.10	90,900	1974	Feb. 23	20.13	32,900
1905	Feb. 14	25.8	64,800	1940	Aug. 15	29.40	239,000				

02197190 MCBEAN CREEK NEAR MCBEAN, GA.

LOCATION.--Lat 33°14'12", long 82°02'38", Richmond County, at State Highway 21, 5.5 mi west of McBean.

DRAINAGE AREA.--41.4 mi^2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by discharge measurements below 230 ft^3s.

REMARKS.--Peak discharges for 1965-66 and 1971 are estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
12 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 315	347
Q_5	= 405	505
Q_{10}	= 458	636
Q_{25}	= 521	749
Q_{50}	= 565	844
Q_{100}	= 607	943

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.495
Standard deviation	= 0.132
Station skew	= 0.751
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1963	June 18	4.33	278	1967	Mar. 11	4.42	290	1971	Mar. 3	5.30	450
1964	May 3	4.75	335	1968	- -		d200	1972	Jan. 10	4.33	290
1965	Oct. 16	5.62	520	1969	Apr.	4.72	331	1973	Apr. 7	4.21	262
1966	Apr. 4	5.12	410	1970	Mar. 31	4.79	341	1974	Feb. 15	4.12	251

02197500 SAVANNAH RIVER AT BURTONS FERRY BRIDGE NEAR MILLHAVEN, GA.

LOCATION.--Lat 32°56'20", long 81°30'10", Screven County, on downstream side of left pier of drawspan of bridge on U.S. Highway 301, 2 mi downstream from Rocky Creek, 9 mi east of Millhaven and at mi 118.7.

DRAINAGE AREA.--8,650 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 52.42 ft above mean sea level (levels by Corps of Engineers).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 141,000 ft^3/s and extended by logarithmic plotting. Bankfull stage and discharge, 15 ft and 20,000 ft^3/s.

HISTORICAL DATA.--Flood-stage of October 1929, from information furnished by Corps of Engineers. Based on other stations on the Savannah River, this peak was the highest since 1796.

REMARKS.--Peak discharges are affected by storage in Lake Burton, Mathis Reservoir, Hartwell and Clark Hill Lakes (See station 02197000 for dates of regulations and maximum flood-control storage capacities.).

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1930	Oct.	30.80	a220,000	1950	Oct. 14	14.87	18,500	1961	Apr. 24	17.60	32,400
1940	Aug. 18	27.0	141,000	1951	Oct. 27	16.53	25,700	1962	Jan. 15	16.75	27,400
1941	July 13	18.2	38,400	1952	Mar. 29	18.26	38,500	1963	Mar. 27	17.22	29,200
1942	Mar. 26	22.0	73,000	1953	May 12	17.52	31,800	1964	Apr. 15	22.10	71,700
1943	Jan. 23	22.6	80,900	1954	Apr. 6	14.40	17,600	1965	Apr. 4	17.66	32,800
1944	Mar. 26	23.4	89,300	1955	Apr. 18	13.21	15,000	1966	Mar. 9	18.05	37,100
1945	May 1	18.8	42,900	1956	Mar. 19	11.95	13,700	1967	June 17	15.47	22,000
1946	Jan. 12	21.6	68,600	1957	May 11	12.27	13,900	1968	Jan. 16	16.64	26,800
1947	Jan. 25	21.53	67,500	1958	Apr. 22	18.94	41,400	1969	Apr. 25	18.31	37,200
1948	Feb. 14	21.10	61,000	1959	June 13	16.59	27,400	1970	Apr. 4	14.14	18,200
1949	Dec. 3	24.91	108,000	1960	Feb. 17	18.28	37,100				

02197520 BRIER CREEK NEAR THOMSON, GA.

LOCATION.--Lat 33°22'06", long 82°28'06", McDuffie County, on downstream side of bridge on State Highway 17, 0.2 mi upstream from Sweetwater Creek, and 6.9 mi south of Thomson.

DRAINAGE AREA.--55 mi^2, approximately.

GAGE.--Water-stage recorder. Altitude of gage is 330 ft, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 4,300 ft^3/s. Bankfull stage and discharge, 12 ft and 1,600 ft^3/s.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1968	Jan. 11	12.10	1,560	1971	Mar. 3	18.09	4,810	1973	Apr. 8	15.27	3,060
1970	Mar. 31	13.47	2,100	1972	Jan. 14	11.54	1,420	1974	Apr. 5	15.47	3,200

02197600 BRUSHY CREEK NEAR WRENS, GA.

LOCATION.--Lat 33°10'37", long 82°18'20", Jefferson County, at right bank on downstream side on State Highway 80, 5 mi southwest of Wrens, and 5.5 mi upstream from Little Brushy Creek.

DRAINAGE AREA.--28 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 282.56 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 450 ft^3/s.

REMARKS.--Peak discharges for 1966 and 1971 are estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 446	440
Q_5 = 705	699
Q_{10} = 886	886
Q_{25} = 1,120	1,120
Q_{50} = 1,300	1,310
Q_{100} = 1,480	1,510

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.641
Standard deviation	= 0.244
Station skew	= -0.124
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1959	Mar. 6	5.73	425	1965	Mar. 25	5.13	324	1970	Mar. 31	6.42	425
1960	Mar. 30	7.28	752	1966	Mar. 4	7.44	800	1971	Mar. 3	8.03	1,200
1961	July 19	7.25	728	1967	Mar. 11	5.11	206	1972	Jan. 14	5.09	318
1962	Feb. 22	6.55	592	1968	July 12	5.66	276	1973	Apr. 7	6.87	608
1963	Jan. 21	4.95	292	1969	June 30	4.43	148	1974	Feb. 7	5.15	316
1964	Aug. 12	6.90	658								

02197830 BRIER CREEK NEAR WAYNESBORO, GA.

LOCATION.--Lat 33°07'05", long 81°57'50", Burke County, near left bank on downstream end of pier of bridge on State Highway 56, 3.8 mi northeast of Waynesboro.

DRAINAGE AREA.--473 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 173.78 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 10,000 ft^3/s. Bankfull stage and discharge, 8 ft and 2,500 ft^3/s.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1970	Apr. 3	9.15	3,770	1972	Jan. 15	8.92	3,600	1974	Apr. 8	8.93	3,610
1971	Mar. 5	12.28	10,800	1973	Apr. 10	9.44	4,450				

02198000 BRIER CREEK AT MILLHAVEN, GA.

LOCATION.--Lat 32°56'00", long 81°39'05", Screven County, near right bank on dowsntream side of pier of highway bridge at Millhaven, 8.5 mi upstream from Beaver Dam Creek.

DRAINAGE AREA.--646 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 95.88 ft above mean sea level. Prior to June 7, 1950, nonrecording gage at site 200 ft downstream at same datum. June 7, 1950 to Apr. 30, 1951, nonrecording gage at present site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 20,000 ft^3/s and extended above, on basis of slope-conveyance studies. Bankfull stage and discharge, 8 ft and 2,000 ft^3/s.

HISTORICAL DATA.--Flood-stage of October 1929 based on information furnished by Georgia Department of Transportation. The 1929 flood was probably the greatest since Millhaven plantation was settled in 1796.

REMARKS.--Peak discharge for 1950 is estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
38 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 3,440	3,480
Q_5	= 6,080	6,170
Q_{10}	= 8,300	8,390
Q_{25}	= 11,700	11,600
Q_{50}	= 14,700	14,600
Q_{100}	= 18,000	17,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.547
Standard deviation	= 0.286
Station skew	= 0.215
Regional or weighted skew	= 0.215

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1930	Oct.	25.1	a64,000	1950	Mar. 16	-	1,200	1963	Jan. 26	10.5	3,700
1938	Apr. 13	10.0	3,110	1951	Mar. 21	6.3	1,060	1964	May 7	13.5	9,000
1939	Mar. 3	12.2	5,900	1952	Mar. 9	11.0	4,200	1965	Dec. 31	12.4	6,360
1940	Aug. 16	17.4	a25,400	1953	May 9	9.9	3,140	1966	Mar. 6	12.43	6,420
1941	July 22	9.4	2,720	1954	Dec. 20	7.4	1,560	1967	Mar. 16	11.24	4,490
1942	Mar. 26	10.9	4,100	1955	Apr. 20	10.0	3,220	1968	Jan. 17	8.08	1,910
1943	Mar. 26	10.9	4,100	1956	Mar. 22	9.6	2,900	1969	Apr. 22	6.97	1,360
1944	Mar. 28	12.4	6,360	1957	Apr. 1	6.4	1,140	1970	Apr. 5	10.50	3,700
1945	Mar. 3	6.0	997	1958	Apr. 21	11.2	4,440	1971	Mar. 7	14.34	9,720
1946	Jan. 1	8.3	2,040	1959	Mar. 12	8.8	2,340	1972	Jan. 17	10.58	3,780
1947	Mar. 13	10.6	3,800	1960	Apr. 6	13.6	9,300	1973	Apr. 12	10.93	4,130
1948	Sept.11	11.6	4,980	1961	Apr. 17	12.6	7,240	1974	Apr. 10	9.82	3,140
1949	Dec. 3	11.4	4,700	1962	Feb. 27	10.3	3,500				

02198500 SAVANNAH RIVER NEAR CLYO, GA.

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County, on downstream side of center pier of drawspan of bridge on Seaboard Coast Line Railroad, 3.0 mi north of Clyo, and at mile 60.9.

DRAINAGE AREA.--9,850 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 13.41 ft above mean sea level. Prior to Jan. 31, 1933, nonrecording gage at same site and at datum 4.00 ft higher. Jan. 31, 1933 to June 12, 1945, nonrecording gage at same site and datum. All gage readings have been adjusted to present datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 130,000 ft^3/s and extended by logarithmic plotting. Bankfull stage and discharge, 11 ft and 15,000 ft^3/s.

HISTORICAL DATA.--Flood-stage of Oct. 1929, from information furnished by Corps of Engineers. Based on other stations on the Savannah River, this peak was the highest since 1796.

REMARKS.--Peak stages prior to June 13, 1945, are from graphs based on gage readings. Gage heights prior to 1930 furnished by Corps of Engineers and those for 1930-37 furnished by National Weather Service. Peak discharges are affected by storage in Lake Burton, Mathis Reservoirs, Hartwell and Clark Hill Lakes (See station 02197000 for dates of regulation and maximum flood-control storage capacities.).

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1925	Jan. 24	23.9	134,000	1942	Mar. 29	20.0	73,000	1959	June 18	14.36	26,000
1926	Jan. 28	15.4	31,400	1943	Jan. 27	20.00	73,000	1960	Feb. 19	17.35	40,900
1927	Mar. 6	13.4	30,600	1944	Mar. 29	21.6	95,200	1961	Apr. 25	16.20	34,900
1928	Aug. 23	22.3	106,000	1945	May 5	16.0	34,400	1962	Jan. 19	[1]14.98	28,200
1929	Mar. 11	23.6	128,000	1946	Jan. 16	19.5	64,400	1963	Mar. 31	15.27	29,200
1930	Oct. 6	29.70	a270,000	1947	Jan. 28	19.40	63,200	1964	Apr. 18	20.22	83,800
1931	Nov. 28	12.77	18,200	1948	Feb. 17	19.66	71,000	1965	Apr. 6	16.52	38,000
1932	Jan. 15	19.18	59,600	1949	Dec. 6	22.17	104,000	1966	Mar. 11	17.10	42,800
1933	Jan. 4	19.2	59,600	1950	Oct. 19	12.21	16,000	1967	June 22	13.67	22,500
1934	June 15	17.2	43,800	1951	Nov. 1	13.38	22,600	1968	Jan. 21	14.84	28,000
1935	Mar. 22	15.2	29,100	1952	Apr. 2	16.90	41,300	1969	Apr. 29	16.74	39,700
1936	Apr. 13	26.0	176,000	1953	May 17	15.80	35,800	1970	Apr. 7	13.31	21,000
1937	Jan. 11	19.4	65,800	1954	Apr. 12	12.49	18,800	1971	Mar. 6	18.11	54,500
1938	Apr. 16	17.8	48,400	1955	Apr. 23	11.35	15,500	1972	Jan. 26	16.30	36,400
1939	Mar. 8	20.4	70,100	1956	Mar. 22	10.47	14,100	1973	Apr. 15	17.29	44,500
1940	Aug. 22	23.6	128,000	1957	May 15	11.15	15,000	1974	Mar. 1	15.78	33,000
1941	July 17	16.3	36,500	1958	Apr. 25	17.41	45,500				

[1]Occurred at different time than peak discharge.

02200100 LITTLE OGEECHEE RIVER AT HAMBURG, GA.

LOCATION.--Lat 33°12'25", long 82°46'38", Washington County, at State Highway 248, at Hamburg.

DRAINAGE AREA.--55 mi^2, approximately.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 460 ft^3/s and extended above on basis of computation of flow over dam.

REMARKS.--Storage by small milldam may affect lower peak discharge.

FLOOD-FREQUENCY DATA (ft^3/s)
23 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 851	905
Q_5 = 1,740	1,840
Q_{10} = 2,480	2,630
Q_{25} = 3,590	3,710
Q_{50} = 4,520	4,550
Q_{100} = 5,540	5,580

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.917
Standard deviation	= 0.379
Station skew	= 0.036
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	July 1	3.80	230	1959	Feb. -	4.20	450	1967	Feb. 7	3.87	265
1952	Mar. 4	5.71	1,820	1960	Feb. 13	5.49	1,600	1968	Apr. 6	4.13	408
1953	May 1	6.13	2,340	1961	Feb. 25	7.37	4,070	1969	May 19	3.71	180
1954	Jan. 16	3.97	305	1962	Mar. 12	4.71	830	1970	Mar. 21	4.70	830
1955	Apr. 9	4.29	510	1963	Jan. 20	5.08	1,200	1971	Mar. 2	7.02	3,600
1956	Mar. 16	4.73	830	1964	May 2	5.45	1,530	1973	Apr. 7	5.23	1,330
1957	Mar. 26	4.02	330	1965	Dec. 26	5.80	1,940	1974	Apr. 4	4.84	956
1958	Apr. 16	4.30	510	1966	Mar. 4	4.80	920				

02200500 OGEECHEE RIVER NEAR LOUISVILLE, GA.

LOCATION.--Lat 32°58'03", long 82°23'26", Jefferson County, at U.S. Highway 1, 1 mi downstream from Louisville and Wadley Railroad bridge, 2 mi south of Louisville, 2 mi downstream from Rocky Comfort Creek, and 2 mi upstream from Big Creek.

DRAINAGE AREA.--800 mi^2, approximately.

GAGE.--Nonrecording prior to Aug. 30, 1941; recording Aug. 30, 1941, to Dec. 31, 1949; crest-stage gage thereafter. Datum of gage is 199.24 ft above mean sea level (levels by Corps of Engineers).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 17,000 ft^3/s and extended above on basis of slope-conveyance study. Bankful stage and discharge, 11 ft and 2,000 ft^3/s.

HISTORICAL DATA.--Flood stage of October 1929 based on information from Central of Georgia Railway Company, and was the highest flood known to old residents of that area in 1929. The local newspaper, published since 1871, referred to the October 1929 flood as the "highest in history".

REMARKS.--Peak discharge for 1951 is estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
30 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 7,960	7,860
Q_5 = 13,900	13,500
Q_{10} = 18,100	17,400
Q_{25} = 23,400	22,300
Q_{50} = 27,400	26,300
Q_{100} = 31,200	29,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.877
Standard deviation	= 0.312
Station skew	= -0.463
Regional or weighted skew	= -0.463

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1930	Oct.	21.3	a46,000	1946	Dec. 30	13.20	4,030	1956	Mar. 23	14.5	6,600
1937	May 2	16.1	12,800	1947	Mar. 10	15.7	10,700	1957	Apr. 5	12.3	2,950
1938	Apr. 10	15.2	8,900	1948	Feb. 12	14.8	7,500	1958	Apr. 22	14.6	6,900
1939	Mar. 2	16.1	12,800	1949	Dec. 1	16.5	14,500	1959	Apr. 14	12.9	3,630
1940	Aug. 16	17.6	20,600	1950	Oct. 12	12.8	3,510	1960	Feb. 2	15.6	10,300
1941	July 19	12.2	2,880	1951	Apr. 1	-	2,400	1961	Feb. 25	17.0	17,000
1942	Mar. 24	16.2	13,000	1952	Mar. 10	16.6	15,000	1962	Jan. 8	14.99	8,100
1943	Mar. 24	15.4	9,500	1953	May 2	16.1	12,500	1963	Jan. 21	15.32	9,100
1944	Mar. 24	16.9	16,500	1954	Jan. 18	11.4	2,120	1964	May 3	15.63	10,700
1945	Feb. 28	10.6	1,650	1955	Apr. 13	13.2	4,030	1965	Dec. 27	16.20	13,000

02200900 BIG CREEK NEAR LOUISVILLE, GA.

LOCATION.--Lat 32°59'00", long 82°21'23", Jefferson County, at State Highway 17, about 3.2 mi southeast of Louisville.

DRAINAGE AREA.--95.8 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 210.2 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements. Bankful stage and discharge, 5 ft and 640 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 662	681
Q_5	= 1,120	1,170
Q_{10}	= 1,450	1,530
Q_{25}	= 1,910	2,000
Q_{50}	= 2,260	2,370
Q_{100}	= 2,620	2,760

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.812
Standard deviation	= 0.279
Station skew	= -0.003
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	July	4.00	328	1959	May 31	4.09	318	1967	May 23	6.07	1,560
1952	Mar. 3	4.63	472	1960	Apr. 4	5.27	735	1968	Jan. 4	3.11	170
1953	May 2	4.53	448	1961	Apr. 16	5.42	812	1969	Aug. 23	4.18	336
1954	May 13	3.66	261	1962	Mar. 12	5.21	705	1970	Mar. 30	5.47	860
1955	Apr. 14	5.18	690	1963	Oct. 5	4.76	508	1971	Mar. 3	6.42	2,160
1956	Mar. 16	4.96	548	1964	May 3	5.92	1,370	1972	Jan. 11	5.44	902
1957	Dec. 23	4.19	370	1965	July 30	6.09	1,590	1973	Apr. 8	5.55	990
1958	July 7	4.93	548	1966	Mar. 4	6.06	1,550	1974	Feb. 17	5.02	642

02200930 OGEECHEE RIVER TRIBUTARY NEAR LOUISVILLE, GA.

LOCATION.--Lat 32°55'20", long 82°18'49", Jefferson County, at culvert on State Highway 17, 8.5 mi southeast of Louisville.

DRAINAGE AREA.--14.2 mi^2.

GAGE.--Flood-stage recorder prior to Dec. 30, 1969; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 274 ft^3/s and extended above on basis of culvert computations.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 212	224
Q_5	= 431	438
Q_{10}	= 615	605
Q_{25}	= 886	821
Q_{50}	= 1,120	1,020
Q_{100}	= 1,370	1,230

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.314
Standard deviation	= 0.377
Station skew	= 0.957
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Feb. 17	4.42	273	1969	May 15	3.78	198	1972	Jan. 14	5.55	472
1966	Mar. 4	6.70	910	1970	Mar. 31	4.35	264	1973	Feb. 2	4.48	280
1967	May 22	2.78	120	1971	May 13	3.10	142	1974	Jan. 29	3.28	155
1968			d90								

02201110 GRAY COAT CREEK NEAR BARTOW, GA.

LOCATION.--Lat 32°52'25", long 82°26'34", Jefferson County, at culvert on U.S. Highway 319, 1.8 mi east of Bartow.

DRAINAGE AREA.--8.36 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 567 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 293	299
Q_5	= 534	541
Q_{10}	= 721	726
Q_{25}	= 983	982
Q_{50}	= 1,200	1,200
Q_{100}	= 1,420	1,420

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.456
Standard deviation	= 0.320
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Dec. 26	2.76	242	1969	Aug. 23	2.76	242	1972	Jan. 14	4.21	654
1966	Mar. 4	3.91	625	1970	Mar. 31	2.81	252	1973	Feb. 2	4.41	565
1967	Aug. 21	1.91	102	1971	Apr. 23	2.56	203	1974	Feb. 16	2.76	169
1968	Jan. 10	1.86	97								

02201160 BOGGY GUT CREEK NEAR WADLEY, GA.

LOCATION.--Lat 32°53'42", long 82°24'02", Jefferson County, at culvert on U.S. Highway 1, 2 mi south of Wadley.

DRAINAGE AREA.--7.05 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 200 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 443	421
Q_5	= 878	817
Q_{10}	= 1,240	1,140
Q_{25}	= 1,760	1,590
Q_{50}	= 2,200	2,000
Q_{100}	= 2,680	2,440

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.634
Standard deviation	= 0.364
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Dec. 26	5.17	394	1969	May 15	4.36	202	1972	Jan. 13	6.56	773
1966	Mar. 4	7.66	1,130	1970	Aug. 8	10.04	1,800	1973	Feb. 2	7.00	905
1967	Feb. 7	4.02	143	1971	Apr. 24	4.91	347	1974	Feb. 16	4.52	234
1968	Jan. 10	3.11	47								

02201250 OGEECHEE RIVER TRIBUTARY NO. 2 NEAR MIDVILLE, GA.

LOCATION.--Lat 32°51'04", long 82°13'58", Burke County, at culvert on State Highway 305, 2.2 mi north of Midville.

DRAINAGE AREA.--0.99 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 43 ft^3/s and extended above on basis of culvert computations.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 43	45
Q_5	= 59	68
Q_{10}	= 69	85
Q_{25}	= 82	103
Q_{50}	= 91	118
Q_{100}	= 100	134

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 1.625
Standard deviation	= 0.171
Station skew	= 0.0187
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	July 31	2.44	82	1968			d32	1972	Jan. 14	1.74	42
1965	Feb. 17	1.45	28	1969	May 18	1.99	56	1973	Feb. 2	2.09	62
1966	Mar. 4	1.92	52	1970	Aug. 8	2.15	65	1974			d32
1967	Feb. 7		d32	1971			d32				

02201350 BUCKHEAD CREEK NEAR WAYNESBORO, GA.

LOCATION.--Lat 32°58'21", long 82°07'15", Burke County, at State Highway 56, 10 mi southwest of Waynesboro.

DRAINAGE AREA.--64 mi^2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 198.7 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,000 ft^3/s. Bankful stage and discharge, 6 ft and 800 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
12 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 853	909
Q_5	= 1,700	1,770
Q_{10}	= 2,400	2,440
Q_{25}	= 3,430	3,360
Q_{50}	= 4,290	4,190
Q_{100}	= 5,220	5,080

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.919
Standard deviation	= 0.367
Station skew	= -0.349
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1963	Jan. 22	6.18	880	1967	Feb. 8	5.01	270	1971	Mar. 5	5.43	412
1964	Mar. 8	6.52	1,140	1968	Dec. 28	4.68	172	1972	Jan. 14	6.97	1,720
1965	Feb. 18	6.49	1,140	1969	May 19	5.68	525	1973	Feb. 3	6.56	1,310
1966	Mar. 5	8.20	3,550	1970	Mar. 31	6.61	1,490	1974	Feb. 17	5.94	776

02201800 RICHARDSON CREEK NEAR MILLEN, GA.

LOCATION.--Lat 32°43'23", long 81°58'35", Jenkins County, at State Highway 67, 6 mi south of Millen.

DRAINAGE AREA.--43 mi^2, approximately.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 900 ft^3/s. Bankful stage and discharge, 4 ft and 400 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
12 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 642	693
Q_5 = 1,050	1,170
Q_{10} = 1,340	1,530
Q_{25} = 1,720	2,000
Q_{50} = 2,020	2,380
Q_{100} = 2,320	2,790

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.799
Standard deviation	= 0.260
Station skew	= 0.428
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1963	Oct. 5	5.69	1,880	1967	Jan. 3	4.53	694	1971	Aug. 16	4.39	605
1964	Sept. 1	5.45	1,480	1968	Aug. 1	3.62	276	1972	Dec. 3	3.84	346
1965	Feb. 18	5.01	1,070	1969	May 19	4.16	490	1973	Feb. 3	4.19	505
1966	Mar. 5	4.51	678	1970	Apr. 1	4.47	655	1974	Feb. 9	3.68	294

02201830 HOOKER BRANCH TRIBUTARY NEAR MILLEN, GA.

LOCATION.--Lat 32°39'34", long 81°59'29", Jenkins County, at culvert on State Highway 121, 11 mi southwest of Millen.

DRAINAGE AREA.--4.38 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 150 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 186	192
Q_5 = 344	351
Q_{10} = 468	475
Q_{25} = 640	644
Q_{50} = 783	786
Q_{100} = 936	937

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.258
Standard deviation	= 0.328
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Feb. 17	3.16	156	1969	May 15	3.21	164	1972	Dec. 3	2.86	94
1966	May 25	3.73	278	1970	Mar. 22	3.11	144	1973	June 20	3.31	184
1967	July 8	3.56	239	1971	June 17	3.51	228	1974	Feb. 7	2.91	94
1968	Aug. 9	3.06	138								

02202000 OGEECHEE RIVER AT SCARBORO, GA.

LOCATION.--Lat 32°42'38", long 81°52'46", Jenkins County, at abandoned highway bridge at Scarboro, and 7.5 mi southeast of Millen.

DRAINAGE AREA.--1,940 mi^2, approximately.

GAGE.--Nonrecording prior to Dec. 18, 1941; recording, Dec. 18, 1941, to June 30, 1971; crest-stage gage thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 25,000 ft^3/s and estimated above, based on conveyance studies. Bankfull stage and discharge, 6.5 ft and 2,000 ft^3/s.

HISTORICAL DATA.--Flood stages of January 1925 and October 1929, from information furnished by Mr. T. F. Yarbrough, agent for Central of Georgia Railroad Company during the period 1912-1942. Based on information from the oldest residents of the area, the October 1929 flood was the greatest flood of memory dating back to about 1840.

REMARKS.--Peak discharges for 1925, 1930, and 1954 are estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
40 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 10,600	-
Q_5 = 18,200	-
Q_{10} = 23,800	-
Q_{25} = 31,300	-
Q_{50} = 37,100	-
Q_{100} = 43,200	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.015
Standard deviation	= 0.288
Station skew	= -0.230
Regional or weighted skew	= -0.230

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1925	Jan.	15.90	a56,000	1949	Dec. 5	11.2	15,500	1962	Mar. 15	10.70	12,900
1930	Oct.	17.00	a75,000	1950	Mar. 19	7.26	2,430	1963	Jan. 27	10.51	11,900
1937	May 6	10.71	12,900	1951	Apr. 3	8.00	3,740	1964	Apr. 13	10.79	13,400
1938	Apr. 14	10.38	11,600	1952	Mar. 11	10.32	11,000	1965	Jan. 2	10.93	14,000
1939	Mar. 5	12.12	20,600	1953	May 9	11.0	14,400	1966	Mar. 7	12.11	25,400
1940	Aug. 17	12.8	24,600	1954	Oct. 2		3,600	1967	Mar. 20	8.57	6,080
1941	July 24	8.9	6,320	1955	Apr. 19	8.97	6,110	1968	Jan. 20	8.05	4,450
1942	Mar. 28	10.9	14,000	1956	Mar. 24	9.34	7,310	1969	May 22	9.02	8,100
1943	Mar. 28	10.5	11,900	1957	Apr. 6	7.74	3,220	1970	Apr. 3	10.10	12,300
1944	Mar. 27	12.8	24,600	1958	Apr. 23	9.48	7,800	1971	Mar. 8	12.13	25,700
1945	Feb. 26	7.64	3,030	1959	Mar. 10	9.14	6,690	1972	Jan. 18	10.50	15,000
1946	Jan. 20	9.08	6,540	1960	Apr. 7	11.9	19,400	1973	Feb. 5	10.74	16,600
1947	Mar. 11	9.95	9,450	1961	Apr. 18	11.6	17,700	1974	Apr. 13	9.50	9,000
1948	Apr. 4	11.20	15,500								

02202300 MILL CREEK NEAR STATESBORO, GA.

LOCATION.--Lat 32°28'28", long 81°45'17", Bulloch County, at State Highway 73, 2.2 mi northeast of Statesboro.

DRAINAGE AREA.--39 mi^2, approximately.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 800 ft^3/s. Bankfull stage and discharge, 4 ft and 400 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
12 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 718	743
Q_5 = 903	1,040
Q_{10} = 1,010	1,240
Q_{25} = 1,140	1,510
Q_{50} = 1,230	1,710
Q_{100} = 1,310	1,900

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.852
Standard deviation	= 0.122
Station skew	= -0.926
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1963	June 26	4.56	790	1967	Jan. 3	4.07	417	1971	June 19	4.31	562
1964	Sept. 1	4.81	970	1968			d100	1972	Feb. 3	4.33	576
1965	Feb. 18	4.66	880	1969	May 20	4.76	934	1973	Apr. 2	4.52	835
1966	Mar. 5	4.66	844	1970	Mar. 31	4.86	1,000	1974	Feb. 17	3.87	375

02202500 OGEECHEE CREEK NEAR EDEN, GA.

LOCATION.--Lat 32°11'29", long 81°24'58", Effingham County, on right bank 600 ft downstream from bridge on U.S. Highways 25, 80, and 280, 2 mi west of Eden, 2 mi upstream from Seaboard Coast Line Railroad bridge, and 3 mi upstream from Black Creek.

DRAINAGE AREA.--2,650 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 19.64 ft above mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1939, nonrecording gage at site 600 ft upstream at same datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 23,000 ft^3/s and estimated above, based on conveyance studies. Bankfull stage and discharge, 9 ft and 5,200 ft^3/s.

HISTORICAL DATA.--Flood stages of January 1925 and October 1929, from information furnished by Central of Georgia Railway Company. The flood of October 1929 was the highest known since at least 1840, from information furnished by Georgia Railway Company.

REMARKS.--Peak discharges for 1925 and 1930 are estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
41 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 11,600	-
Q_5	= 19,800	-
Q_{10}	= 26,100	-
Q_{25}	= 35,100	-
Q_{50}	= 42,500	-
Q_{100}	= 50,600	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.066
Standard deviation	= 0.274
Station skew	= 0.005
Regional or weighted skew	= 0.005

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1925	Jan.	19.5	a70,000	1948	Apr. 3	13.3	20,900	1962	Mar. 19	12.12	13,700
1930	Oct.	20.00	a78,000	1949	Dec. 10	12.8	17,800	1963	Feb. 1	11.53	11,600
1936	Apr.	15.2	30,000	1950	Sept.10	8.1	3,800	1964	Apr. 8	11.86	14,600
1937	May 11	11.55	11,400	1951	Apr. 3	8.9	5,000	1965	Feb. 23	12.41	17,800
1938	Apr. 19	11.52	10,800	1952	Mar. 16	11.6	12,000	1966	Mar. 11	14.05	25,200
1939	Mar. 9	14.2	23,700	1953	May 14	12.4	15,600	1967	Jan. 17	9.71	6,720
1940	Aug. 23	13.8	20,200	1954	Jan. 1	9.0	5,180	1968	Jan. 27	8.22	4,010
1941	July 30	9.3	5,700	1955	Apr. 24	9.5	6,100	1969	Sept. 5	10.34	8,520
1942	Apr. 1	12.2	13,100	1956	Mar. 30	9.8	6,700	1970	Apr. 7	11.71	13,600
1943	Apr. 1	11.5	10,700	1957	Apr. 13	8.2	3,920	1971	Mar. 13	13.61	23,000
1944	Mar. 31	14.7	26,300	1958	Mar. 14	10.6	9,200	1972	Jan. 22	12.08	15,400
1945	Mar. 4	8.14	3,980	1959	Mar. 9	10.4	7,850	1973	Feb. 10	12.30	16,500
1946	Jan. 26	10.3	7,620	1960	Apr. 10	14.0	24,000	1974	Feb. 25	10.87	10,300
1947	Mar. 19	12.1	14,200	1961	Apr. 22	13.4	21,200				

02202800 CANOOCHEE CREEK NEAR SWAINSBORO, GA.

LOCATION.--Lat 32°36'19", long 82°15'21", Emanuel County, at U.S. Highway 80, 4.8 mi east of Swainsboro.

DRAINAGE AREA.--55 mi^2, approximately.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,400 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 745	778
Q_5	= 1,090	1,190
Q_{10}	= 1,310	1,470
Q_{25}	= 1,590	1,830
Q_{50}	= 1,800	2,120
Q_{100}	= 2,000	2,390

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.865
Standard deviation	= 0.200
Station skew	= -0.257
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Apr. 1	4.66	368	1959	Mar. 8	5.71	680	1967	Jan. 3	5.50	600
1952	Feb. 20	5.39	570	1960	Apr. 5	7.04	1,440	1968			d235
1953	Sept.27	6.94	1,360	1961	Apr. 16	6.43	1,020	1969	Sept. 1	6.77	1,220
1954	Jan. 1	4.70	385	1962	Mar. 12	5.70	680	1970	Mar. 31	6.39	990
1955	Apr. 15	5.93	780	1963	Oct. 7	6.77	1,220	1971	Mar. 26	6.48	1,040
1956	Feb. 6	4.58	350	1964	Feb. 18	5.88	760	1972	Jan. 12	5.61	644
1957	June	5.05	472	1965	Feb. 18	6.82	1,250	1973	Feb. 3	7.13	1,260
1958	Oct. 4	5.30	540	1966	Mar. 5	6.28	940	1974	Feb. 17	4.67	376

02202810 ROCK CREEK NEAR SWAINSBORO, GA.

LOCATION.—Lat 32°37'29", long 82°19'04", Emanuel County, at culvert on State Highway 56, 2 mi north of Swainsboro.

DRAINAGE AREA.—5.05 mi^2.

GAGE.—Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 190 ft^3/s.

REMARKS.—Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 194	201
Q_5 = 321	335
Q_{10} = 413	432
Q_{25} = 536	561
Q_{50} = 631	660
Q_{100} = 730	762

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.279
Standard deviation	= 0.268
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Feb. 17	3.25	199	1969	May 19	2.72	92	1972	Dec. 3	3.15	176
1966	Mar. 3	3.07	158	1970	Mar. 21	3.22	192	1973	Feb. 2	3.35	207
1967	Jan. 1	3.22	192	1971	Mar. 3	3.20	187	1974	Feb. 16	2.70	89
1968			d26								

02202820 REEDY CREEK NEAR TWIN CITY, GA.

LOCATION.—Lat 32°35'40", long 82°12'23", Emanuel County, at culvert on U.S. Highway 80. 2.5 mi west of Twin City.

DRAINAGE AREA.—8.99 mi^2.

GAGE.—Water-stage and rainfall recorder. Prior to Nov. 17, 1967, flood-stage recorder; Nov. 17, 1967, to Sept. 9, 1970, flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 220 ft^3/s and extended above, on basis of culvert computations.

REMARKS.—Discharge for 1974 estimated from nearby stations.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 224	258
Q_5 = 375	447
Q_{10} = 485	589
Q_{25} = 634	781
Q_{50} = 749	933
Q_{100} = 868	1,090

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.341
Standard deviation	= 0.274
Station skew	= -2.131
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Feb. 17	3.39	315	1969	Sept.19	2.99	228	1972	Dec. 3	2.75	180
1966	Mar. 3	3.19	270	1970	Mar. 21	3.69	388	1973	Feb. 2	3.12	194
1967	Jan. 2	3.24	281	1971	Mar. 3	3.50	341	1974	Feb. 16		150
1968	July 10	1.72	47								

02202850 REEDY BRANCH NEAR METTER, GA.

LOCATION.--Lat 32°28'43", long 82°07'45", Candler County, at culvert on State Highway 23, 7.5 mi northwest of Metter.

DRAINAGE AREA.--3.41 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 170 ft^3/s and extended above, on basis of culvert computations.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 166	176
Q_5	= 228	261
Q_{10}	= 268	324
Q_{25}	= 316	405
Q_{50}	= 351	465
Q_{100}	= 384	523

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.214
Standard deviation	= 0.170
Station skew	= 0.176
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Feb. 17	5.89	132	1969	June 4	6.24	188	1972	Feb. 1	5.00	127
1966	May 25	6.74	278	1970	Aug. 24	6.54	242	1973	June 22	6.69	257
1967	Aug. 11	6.22	185	1971	Mar. 3	5.94	134	1974	Feb. 8	5.79	116
1968			d25								

02202900 FIFTEEN MILE CREEK NEAR METTER, GA.

LOCATION.--Lat 32°23'33", long 82°00'55", Candler County, at State Highway 46, 2.5 mi east of Metter.

DRAINAGE AREA.--147 mi^2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 6,400 ft^3/s. Bankfull stage and discharge, 5.0 ft and 920 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
12 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 1,590	1,640
Q_5	= 2,830	2,930
Q_{10}	= 3,770	3,880
Q_{25}	= 5,080	5,170
Q_{50}	= 6,130	6,310
Q_{100}	= 7,230	7,520

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.191
Standard deviation	= 0.307
Station skew	= 1.975
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1963	Oct. 7	6.07	1,680	1967	Jan. 3	5.41	1,170	1971	Mar. 26	6.62	2,270
1964	Feb. 21	6.50	2,120	1968			d492	1972	Feb. 3	5.82	1,440
1965	Feb. 18	6.35	2,010	1969	May 20	6.57	2,200	1973	Apr. 2	5.76	1,400
1966	May 25	8.96	6,400	1970	Mar. 31	6.08	1,660	1974	Feb. 17	5.63	1,310

02202910 TEN MILE CREEK TRIBUTARY AT PULASKI, GA.

LOCATION.--Lat 32°23'18", long 81°58'17", Candler County, at culvert on State Highway 46, 0.8 mi west of Pulaski.

DRAINAGE AREA.--1.14 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 60 ft^3/s and extended above, on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 94	96
Q_5	= 187	186
Q_{10}	= 263	258
Q_{25}	= 375	363
Q_{50}	= 469	452
Q_{100}	= 570	548

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 1.961
Standard deviation	= 0.365
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 23	4.54	147	1969	Sept. 2	5.47	281	1972	Dec. 10	3.35	56
1966	May 25	7.67	599	1970	Mar. 22	3.12	41	1973	Apr. 7	3.72	84
1967	Aug. 30	5.42	275	1971	Apr. 23	3.42	61	1974	Feb. 16	3.09	39
1968			d18								

02202950 CYPRESS FLAT CREEK NEAR COLLINS, GA.

LOCATION.--Lat 32°13'09", long 82°07'14", Tattnall County, at culvert on State Highway 212, 3 mi north of Collins.

DRAINAGE AREA.--1.39 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 90 ft^3/s and extended above, on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 130	129
Q_5	= 203	203
Q_{10}	= 254	255
Q_{25}	= 319	322
Q_{50}	= 369	374
Q_{100}	= 419	425

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.106
Standard deviation	= 0.327
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Oct. 10	3.92	308	1969	May 19	2.06	105	1972	Dec. 3	2.15	102
1966	Mar. 3	2.99	201	1970	Mar. 22	2.01	101	1973	June 8	2.31	120
1967	Aug. 30	3.71	283	1971	Sept.19	1.51	61	1974	Feb. 7	1.91	73
1968			d24								

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA.

LOCATION.--Lat 32°11'05", long 81°53'20", Evans County, on right bank 400 ft upstream from bridge on State Highway 73, 2 mi northeast of Claxton, and 10 mi upstream from Lotts Creek.

DRAINAGE AREA.--555 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 80.5 ft above mean sea level (levels by Georgia Department of Transportation). Prior to Oct. 20, 1949, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 11,500 ft^3/s. Bankfull stage and discharge, 9 ft and 1,500 ft^3/s.

HISTORICAL DATA.--Flood stage of October 1929, based on information furnished by Georgia Department of Transportation.

REMARKS.--Peak discharge for 1930 is estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
38 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 4,040	4,020
Q_5	= 6,680	6,710
Q_{10}	= 8,910	8,920
Q_{25}	= 12,400	12,300
Q_{50}	= 15,400	15,300
Q_{100}	= 19,000	18,900

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.626
Standard deviation	= 0.245
Station skew	= 0.467
Regional or weighted skew	= 0.467

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1930	Oct.	17.6	a20,000	1950	Sept. 9	8.9	1,710	1963	June 28	10.9	2,520
1938	Apr. 13	10.5	2,580	1951	Apr. 1	10.9	2,840	1964	Jan. 14	13.0	5,300
1939	Feb. 28	13.8	11,600	1952	Mar. 29	9.9	2,130	1965	Feb. 19	13.8	6,800
1940	Aug. 17	12.9	7,690	1953	Sept.28	13.7	8,500	1966	May 26	16.58	12,600
1941	July 21	12.2	5,200	1954	Oct. 6	11.5	2,940	1967	Jan. 6	11.86	3,410
1942	Mar. 9	10.8	2,820	1955	Sept.17	11.0	2,620	1968	Jan. 15	3.65	c396
43	Mar. 25	10.5	2,560	1956	May 7	11.3	2,830	1969	May 21	15.01	9,000
1944	Mar. 25	13.3	9,350	1957	May 27	11.2	2,760	1970	Mar. 24	12.95	5,000
1945	Oct. 25	9.5	1,880	1958	Mar. 11	12.0	3,500	1971	Mar. 6	13.40	5,490
1946	Jan. 22	10.0	2,190	1959	Mar. 8	13.2	5,700	1972	Feb. 5	13.17	5,430
1947	Apr. 20	11.4	3,470	1960	Apr. 7	13.5	6,400	1973	Apr. 3	12.71	4,590
1948	Apr. 2	13.9	12,100	1961	Apr. 19	12.9	4,800	1974	Feb. 18	11.63	3,160
1949	Dec. 10	11.8	4,160	1962	Mar. 16	11.5	3,010				

OGEECHEE RIVER BASIN

02203150 LOTTS CREEK TRIBUTARY NEAR STATESBORO, GA.

LOCATION.--Lat 32°20'53", long 81°52'06", Bulloch County, at culvert on U.S. Highways 25 and 301, 8 mi southwest of Statesboro.

DRAINAGE AREA.--2.37 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 150 ft^3/s and extended above, on basis of culvert computations.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 =	159	160
Q_5 =	364	333
Q_{10} =	566	477
Q_{25} =	893	683
Q_{50} =	1,190	871
Q_{100} =	1,530	1,080

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.162
Standard deviation	= 0.470
Station skew	= 0.169
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Oct. 4	4.17	384	1969	Sept. 2	3.77	301	1972	Dec. 20	3.01	112
1966	May 25	5.57	908	1970	Mar. 22	2.87	90	1973	Mar. 9	3.11	120
1967	Aug. 26	2.32	37	1971	July 31	3.27	164	1974	Aug.	3.45	208
1968			d21								

02203500 CANOOCHEE RIVER NEAR GROVELAND, GA.

LOCATION.--Lat 32°05'55", long 81°43'45", Bryan County, on upstream side of Moodys Bridge, 3.3 mi south of Groveland, and 6 mi downstream from Lotts Creek.

DRAINAGE AREA.--921 mi^2, approximately.

GAGE.--Nonrecording gage. Altitude of gage is 45 ft above mean sea level, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 4,200 ft^3/s.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1903	Sept.17,			1905	Feb. 18	14.8	4,080	1907	July 5	16.6	4,750
	18	18.2	6,500	1906	June 17	17.2	5,500				
1904	Feb. 13	15.4	4,300								

NORTH NEWPORT RIVER BASIN

02203559 PEACOCK CREEK AT MCINTOSH, GA.

LOCATION.--Lat 31°48'49", long 81°31'13", Liberty County, at culvert on county road 0.4 mi southwest of U.S. Highway 82, and 0.9 mi south of McIntosh.

DRAINAGE AREA.--33.0 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 0.40 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 460 ft^3/s.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1967	Jan. 5	8.75	250	1970	May 31	10.47		1973	Sept.28	9.84	370
1968	June 9	8.23	120	1971	Aug. 18	10.50		1974	Aug. 11	8.31	197
1969	Sept. 1	11.33		1972	June 21	10.90					

02203600 SOUTH RIVER AT EAST POINT, GA.

LOCATION.--Lat 33°40'50", long 84°25'15", Fulton County, at culvert on Harland Drive, at East Point.

DRAINAGE AREA.--1.49 mi^2.

GAGE.--Crest-stage gage. Altitude of gage is 890 ft above mean sea level (from topographic map). Prior to Oct. 1, 1969, water-stage recorder at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 360 ft^3/s and extended above, on basis of culvert computations.

REMARKS.--Flood peaks are affected by increasing amounts of urbanization. Flood-frequency values not shown due to urbanization.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Aug. 5	10.00	820	1968	Dec. 19	8.72	650	1971	Aug. 2	8.00	565
1965	June 7	7.40	493	1969	May 16	9.85	804	1972	Jan. 10	8.00	565
1966	Aug. 6	9.90	806	1970	Mar. 19	8.00	565	1973	Feb. 1	8.44	620
1967	Mar. 10	9.80	792								

02203800 SOUTH RIVER AT ATLANTA, GA.

LOCATION.--Lat 33°40'46", long 84°18'30", DeKalb County, at Bouldercrest Drive at Atlanta.

DRAINAGE AREA.--41.5 mi^2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 4,500 ft^3/s. Bankfull stage and discharge, 7 ft and 2,300 ft^3/s.

HISTORICAL DATA.--The flood of Feb. 25, 1961, is thought to be the highest since at least 1946, based on data for nearby station.

REMARKS.--Flood peaks are affected by increasing amounts of urbanization. Flood-frequency values not shown due to urbanization. Peak discharges for 1958-59 are estimated.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Feb. 21	6.15	1,810	1959	May 31		1,400	1967	Aug. 23	8.29	3,550
1952	Dec. 21	7.21	2,460	1960	Jan. 30	9.79	5,700	1968	Mar. 12	8.05	3,260
1953	July 16	7.12	2,380	1961	Feb. 25	11.09	a8,000	1969	Apr. 18	9.12	4,650
1954	Jan. 22	4.96	1,390	1962	Feb. 22	7.43	2,620	1970			d1,400
1955	Feb. 6	5.70	1,640	1963	Apr. 30	8.77	4,220	1971	Mar. 3	8.54	3,860
1956	Mar. 16	7.66	2,900	1964	Apr. 6	9.27	4,950	1972	Jan. 10	6.53	2,020
1957	Apr. 5	7.64	2,800	1965	Dec. 26	5.45	1,530	1973	Feb. 1	9.42	5,130
1958	Feb. 6		1,670	1966	Feb. 13	8.98	4,300	1974	Dec. 31	8.97	4,460

02203830 DOLITTLE CREEK NEAR ATLANTA, GA.

LOCATION.--Lat 33°42'30", long 84°17'45", DeKalb County, at culvert on Whites Mill Road, 3.2 mi east of Atlanta.

DRAINAGE AREA.--3.88 mi^2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by culvert computations.

REMARKS.--Flood peaks are affected by increasing amounts of urbanization. Peak discharges for 1964-65 are estimated.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1961	Feb. 25	8.88	1,100	1964	May 2		560	1966	Feb. 13	5.28	720
1963	May 27	10.30	1,400	1965	Dec. 4		550				

02203900 SOUTH RIVER NEAR ATLANTA, GA.

LOCATION.--Lat 33°39'58", long 84°13'29", DeKalb County, on Flakes Mill Road, 8 mi east of Atlanta city limits.

DRAINAGE AREA.--99 mi^2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 717.4 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 12,000 ft^3/s. Bankfull stage and discharge, 8 ft and 2,500 ft^3/s.

HISTORICAL DATA.--The flood of Feb. 25, 1961, is thought to be the highest since at least 1946, based on information at nearby stations.

REMARKS.--Flood peaks are affected by increasing amounts of urbanization. Flood-frequency values not shown due to urbanization.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Feb. 21	8.66	2,990	1959	May 31	8.02	2,500	1967	Aug. 23	10.27	3,990
1952	Dec. 21	10.75	4,460	1960	Apr. 4	10.76	4,460	1968	Mar. 12	12.88	5,820
1953	Apr. 30	8.62	2,920	1961	Feb. 25	21.30	a12,500	1969	Apr. 18	13.55	6,320
1954	Jan. 22	7.78	2,360	1962	Feb. 22	12.65	5,620	1970			d2,150
1955	Feb. 6	9.30	3,410	1963	Apr. 30	14.34	6,810	1971	Mar. 3	12.76	5,730
1956	Mar. 16	13.71	6,930	1964	Apr. 6	15.58	7,720	1972	Jan. 10	10.60	4,220
1957	Apr. 5	9.80	3,760	1965	Dec. 26	8.70	2,960	1973	Feb. 1	13.89	6,520
1958	Feb. 6	8.72	2,990	1966	Feb. 13	14.87	7,200	1974	Dec. 31	13.17	6,020

02203950 SNAPFINGER CREEK NEAR DECATUR, GA.

LOCATION.--Lat 33°45'50", long 84°13'15", DeKalb County, at Redan Road, 3.6 mi east of Decatur.

DRAINAGE AREA.--13.2 mi^2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,300 ft^3/s.

REMARKS.--Flood peaks are affected by increasing amounts of urbanization. Flood-frequency values not shown due to urbanization.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1961	Feb. 25	11.20	2,100	1966	Feb. 13	11.70	2,350	1969	Apr. 18	11.50	2,300
1963	May 27	14.18	3,800	1967	Nov. 10	8.30	960	1970	Mar. 19	12.10	2,560
1964	Mar. 25	11.40	2,200	1968	Mar. 12	10.75	1,880	1973	June 6	14.20	3,800
1965	Dec. 26	7.60	820								

02204300 LITTLE COTTON INDIAN CREEK NEAR STOCKBRIDGE, GA.

LOCATION.--Lat 33°31'26", long 84°11'41", Henry County, at State Highway 42, 2.5 mi southeast of Stockbridge.

DRAINAGE AREA.--50 mi^2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 757.4 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,400 ft^3/s. Stage-discharge record affected by backwater from ponds built downstream after 1964.

FLOOD-FREQUENCY DATA (ft^3/s)
14 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 1,320	1,420
Q_5 = 2,200	2,460
Q_{10} = 2,860	3,320
Q_{25} = 3,770	4,460
Q_{50} = 4,490	5,410
Q_{100} = 5,250	6,330

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.115
Standard deviation	= 0.269
Station skew	= -0.096
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	July 29	7.17	548	1958	Feb. 6	7.97	805	1965	Dec. 26	8.47	
1952	Mar. 3	9.47	1,900	1959	Mar. -	7.38	610	1966	Feb. 13	11.10	
1953	May 1	7.88	780	1960	Apr. 4	9.04	1,550	1967	Aug. 24	8.83	
1954	Jan. 16	8.01	830	1961	Feb. 25	12.37	3,640	1968	Mar. 12	9.24	
1955	Apr. 15	7.30	585	1962	Feb. 22	9.35	1,820	1969	Apr. 18	10.14	
1956	Mar. 16	9.80	2,080	1963	June 27	9.79	2,080	1970	Mar. 20	9.69	
1957	Apr. 4	9.55	1,960	1964	Apr. 6	15.20	2,400	1971	Mar. 3	11.73	

02204500 SOUTH RIVER NEAR MCDONOUGH, GA.

LOCATION.--Lat 33°29'48", long 84°00'53", Henry County, at Butler Bridge 0.2 mi upstream from Beech Creek, 2 mi downstream from Big Walnut Creek, 4.5 mi downstream from Cotton River, and 9 mi northeast of McDonough.

DRAINAGE AREA.--456 mi^2.

GAGE.--Water-stage recorder prior to Oct. 6, 1960, crest-stage gage thereafter. Datum of gage is 564.99 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 22,000 ft^3/s. Bankfull stage and discharge, 13 ft and 5,000 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
26 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 9,850	9,600
Q_5 = 17,200	16,900
Q_{10} = 22,900	21,400
Q_{25} = 30,900	27,900
Q_{50} = 37,400	33,500
Q_{100} = 44,300	38,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.989
Standard deviation	= 0.292
Station skew	= 0.282
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1940	Mar. 14	11.1	3,700	1949	Nov. 29	22.5	24,900	1958	Feb. 7	16.6	8,860
1941	Dec. 29	11.2	3,760	1950	Sept. 9	13.6	5,460	1959	May 31	13.2	5,140
1942	Mar. 21	23.9	31,000	1951	Feb. 22	11.2	3,800	1960	Jan. 31	16.2	8,280
1943	Jan. 19	19.3	14,500	1952	Mar. 4	18.4	12,300	1961	Feb. 25	25.4	26,400
1944	Apr. 28	16.0	8,000	1953	May 1	14.0	5,800	1962	Feb. 22	17.63	10,400
1945	Apr. 25	21.8	22,300	1954	Dec. 5	13.4	5,300	1963	Apr. 30	17.88	10,800
1946	Jan. 7	24.7	34,500	1955	Feb. 7	12.5	4,630	1964	Apr. 6	20.38	15,600
1947	Jan. 20	17.5	10,400	1956	Mar. 17	18.7	13,000	1965	Mar. 18	12.80	4,840
1948	Mar. 24	17.7	10,800	1957	Apr. 6	18.2	11,800				

02205000 WILDCAT CREEK NEAR LAWRENCEVILLE, GA.

LOCATION.--Lat 34°00'08", long 84°00'18", Gwinnett County, on left bank 75 ft upstream from highway bridge, 0.7 mi upstream from mouth, 1.1 mi east of State Highway 20, and 3.2 mi north of Lawrenceville.

DRAINAGE AREA.--1.59 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 970 ft, by barometer.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 50 ft^3/s and extended above, on basis of slope-area measurements at 345 ft^3/s and 806 ft^3/s. Stage-discharge relation affected by new bridge built in 1974.

REMARKS.--Flow for recent years may be slightly affected by increasing amounts of urbanization.

FLOOD-FREQUENCY DATA (ft^3/s)
21 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 174	183
Q_5 = 313	335
Q_{10} = 422	460
Q_{25} = 579	636
Q_{50} = 707	780
Q_{100} = 846	935

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.235
Standard deviation	= 0.307
Station skew	= -0.021
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1954	Jan. 16	4.95	345	1961	Feb. 25	4.96	330	1968	July 12	3.08	124
1955	Feb. 6	4.25	240	1962	Dec. 18	2.98	110	1969	Apr. 18	4.46	264
1956	May 6	8.20	806	1963	Apr. 30	3.41	145	1970	Mar. 19	3.34	143
1957	Apr. 5	2.54	73	1964	Jan. 25	4.15	228	1971	July 10	4.63	286
1958	Apr. 15	2.10	42	1965	Mar. 24	2.88	98	1972	Jan. 10	4.97	326
1959	June 1	2.78	92	1966	May 27	4.33	250	1973	Mar. 16	4.33	248
1960	June 7	2.42	62	1967	Apr. 26	3.25	138	1974	Apr. 4	5.67	344

02205500 PEW CREEK NEAR LAWRENCEVILLE, GA.

LOCATION.--Lat 33°56'05", long 84°01'00", Gwinnett County, on right bank 20 ft upstream from county highway bridge, 1.0 mi upstream from Redland Creek, and 2.2 mi southwest of Lawrenceville.

DRAINAGE AREA.--2.23 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 930 ft, by barometer.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 80 ft^3/s and extended above, on basis of slope-area measurements at 480 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 285	292
Q_5 = 529	533
Q_{10} = 726	721
Q_{25} = 1,010	983
Q_{50} = 1,250	1,200
Q_{100} = 1,510	1,430

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.449
Standard deviation	= 0.324
Station skew	= -0.924
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1954	Jan. 16	5.95	480	1958	Apr. 15	2.02	67	1961	Feb. 25	6.35	532
1955	Feb. 6	4.30	273	1959	June 1	6.30	519	1962	Dec. 12	5.07	345
1956	July 15	6.96	615	1960	Apr. 4	3.44	150	1963	Apr. 29	5.67	348
1957	Apr. 5	2.67	115								

02206000 SHETLEY CREEK NEAR NORCROSS, GA.

LOCATION.--Lat 33°57'20", long 84°09'40", Gwinnett County, on right bank 150 ft upstream from county highway bridge, 1.0 mi upstream from mouth, and 2.8 mi east of Norcross.

DRAINAGE AREA.--0.98 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 890 ft (from topographic map).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 40 ft^3/s and extended above, on basis of slope-area measurements at 440 ft^3/s and 2,320 ft^3/s.

REMARKS.--Peak discharge for 1961 increased by dam failure.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 165	171
Q_5	= 331	332
Q_{10}	= 472	459
Q_{25}	= 685	640
Q_{50}	= 869	791
Q_{100}	= 1,070	949

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.212
Standard deviation	= 0.363
Station skew	= 0.575
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1954	Jan. 16	6.37	442	1958	Nov. 25	2.58	112	1962	Dec. 18	3.73	74
1955	Feb. 6	3.02	142	1959	July 20	3.53	59	1963	Mar. 5	4.45	140
1956	May 6	7.00	610	1960	Apr. 3	3.78	76	1973	June 5	6.50	470
1957	Apr. 5	2.98	142	1961	Feb. 21	10.4	b2,320				

02206500 YELLOW RIVER NEAR SNELLVILLE, GA.

LOCATION.--Lat 33°51'11", long 84°04'45", Gwinnett County, on left bank at downstream side of county highway bridge, 3.2 mi west of Snellville, 4 mi downstream from Sweetwater Creek, 6.5 mi northeast of town of Stone Mountain, and 7.5 mi upstream from Stone Mountain Creek.

DRAINAGE AREA.--134 mi^2.

GAGE.--Nonrecording prior to Nov. 4, 1952; water-stage recorder Nov. 4, 1952, to Oct. 1, 1971; crest-gage thereafter. Datum of gage is 806.14 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 6,500 ft^3/s. Bankfull stage and discharge, 13 ft and 14,000 ft^3/s.

REMARKS.--Flow for recent years may be slightly affected by increasing amounts of urbanization.

FLOOD-FREQUENCY DATA (ft^3/s)
32 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 3,590	3,600
Q_5	= 5,450	5,530
Q_{10}	= 6,750	6,970
Q_{25}	= 8,450	8,840
Q_{50}	= 9,750	10,400
Q_{100}	= 11,100	11,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.551
Standard deviation	= 0.219
Station skew	= -0.132
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1943	Apr. 19	13.3	4,000	1954	Jan. 17	13.5	4,100	1965	Dec. 27	6.53	1,660
1944	Mar. 29	9.8	2,760	1955	Feb. 7	11.6	3,400	1966	Feb. 14	15.08	5,210
1945	Apr. 25	10.5	3,000	1956	May 7	17.9	7,600	1967	Jan. 9	10.02	2,840
1946	Mar. 29	13.4	4,050	1957	Apr. 5	10.4	2,970	1968	Mar. 13	9.92	2,800
1947	Jan. 20	14.1	4,370	1958	Apr. 16	5.3	1,280	1969	Apr. 19	15.07	5,200
1948	Mar. 23	9.6	2,690	1959	May 31	5.7	1,400	1970	Mar. 20	13.34	4,170
1949	Nov. 29	19.4	9,500	1960	Jan. 31	9.0	2,480	1971	Mar. 3	13.28	4,240
1950	Sept. 8	7.65	2,030	1961	Feb. 25	19.1	9,080	1972	Jan. 11	14.81	5,050
1951	Oct. 20	6.20	1,560	1962	Dec. 13	11.7	3,430	1973	Mar. 16	10.77	3,110
1952	Dec. 21	15.6	5,570	1963	Apr. 30	16.1	5,930	1974	Dec. 31	13.54	4,370
1953	Jan. 10	11.0	3,180	1964	Apr. 7	15.7	5,640				

02207000 GARNER CREEK NEAR SNELLVILLE, GA.

LOCATION.--Lat 33°51'45", long 84°05'50", Gwinnett County, on left bank 100 ft downstream from county highway culvert, 0.9 mi upstream from mouth, and 4.5 mi west of Snellville.

DRAINAGE AREA.--5.54 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 830 ft (from topographic map).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 72 ft^3/s and extended above, on basis of culvert measurements at 696 ft^3/s and slope-area measurement at 1,630 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 561	557
Q_5 = 1,010	980
Q_{10} = 1,360	1,300
Q_{25} = 1,860	1,740
Q_{50} = 2,270	2,110
Q_{100} = 2,710	2,480

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.744
Standard deviation	= 0.306
Station skew	= 0.143
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1954	Jan. 16	2.98	694	1958	Feb. 27	1.74	189	1961	Feb. 25	4.3	1,630
1955	Feb. 6	2.62	510	1959	July 16	1.89	232	1962	Dec. 18	2.90	580
1956	Mar. 16	3.09	754	1960	Apr. 3	2.42	418	1963	Apr. 29	4.19	1,530
1957	Apr. 5	2.35	390								

02207500 YELLOW RIVER NEAR COVINGTON, GA.

LOCATION.--Lat 33°36'52", long 83°54'54", Newton County, at bridge on State Highway 12, 0.2 mi downstream from Georgia Railroad bridge, 0.5 mi downstream from Gum Creek, and 3.5 mi northwest of Covington.

DRAINAGE AREA.--378 mi^2.

GAGE.--Water-stage recorder prior to Sept. 30, 1960; crest-stage gage thereafter. Datum of gage is 616.99 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 16,000 ft^3/s and extended above, based on slope-conveyance study. Bankfull stage and discharge, 9 ft and 2,500 ft^3/s.

HISTORICAL DATA.--Flood stage of April 7, 1936, based on information furnished by the Georgia Department of Transportation. The flood of Apr. 7, 1936, was the highest since 1919, based on information from nearby stations.

FLOOD-FREQUENCY DATA (ft^3/s)
22 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 5,990	6,090
Q_5 = 9,600	9,880
Q_{10} = 12,500	13,000
Q_{25} = 16,800	17,400
Q_{50} = 20,500	21,200
Q_{100} = 24,600	24,900

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.791
Standard deviation	= 0.233
Station skew	= 0.979
Regional or weighted skew	= 0.346

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1936	Apr. 7	29.90	a30,000	1952	Dec. 23	14.4	6,080	1959	June 1	10.1	3,080
1945	Apr. 26	16.4	8,180	1953	Jan. 11	13.6	5,420	1960	Feb. 1	13.6	5,420
1946	Jan. 7	18.6	12,000	1954	Jan. 18	12.1	4,300	1961	Feb. 26	19.1	13,100
1947	Jan. 21	14.6	6,480	1955	Feb. 8	12.4	4,510	1962	Feb. 23	14.21	5,900
1948	Feb. 10	15.2	6,820	1956	Mar. 17	15.6	7,220	1963	Apr. 30	17.29	9,540
1949	Nov. 29	20.3	16,200	1957	Apr. 6	13.5	5,340	1964	Mar. 26	16.89	8,900
1950	Sept. 9	11.5	3,900	1958	Feb. 7	10.6	3,350	1965			d3,470
1951	Oct. 21	8.89	2,480								

02208050 ALCOVY RIVER NEAR LAWRENCEVILLE, GA.

LOCATION.--Lat 33°58'40", long 83°56'23", Gwinnett County, at U.S. Highway 29, 3 mi northeast of Lawrenceville.

DRAINAGE AREA.--9.97 mi^2.

GAGE.--Crest-stage gage prior to Nov. 15, 1967; flood-stage recorder Nov. 15, 1967, to Apr. 2, 1968; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 900 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 820	810
Q_5	= 1,070	1,140
Q_{10}	= 1,230	1,420
Q_{25}	= 1,430	1,780
Q_{50}	= 1,560	2,070
Q_{100}	= 1,700	2,370

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.912
Standard deviation	= 0.141
Station skew	= 0.942
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Dec. 25	3.54	640	1969	Apr. 18	4.92	1,620	1972	Jan. 10	4.26	1,010
1966	Mar. 4	4.09	893	1970	Mar. 20	3.79	705	1973	Mar. 16	3.83	728
1967	Apr. 26	3.40	660	1971	Mar. 3	3.84	734	1974	Dec. 31	4.35	1,080
1968	Mar. 12	3.12	520								

02208200 BEAVERDAM CREEK TRIBUTARY NEAR BOLD SPRINGS, GA.

LOCATION.--Lat 33°53'59", long 83°47'36", Walton County, at culvert on secondary road 917, 0.6 mi east of Bold Springs.

DRAINAGE AREA.--1.03 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 205 ft^3/s and extended above, on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 148	153
Q_5	= 262	272
Q_{10}	= 351	366
Q_{25}	= 477	499
Q_{50}	= 579	605
Q_{100}	= 689	720

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.165
Standard deviation	= 0.299
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965			d50	1969	Jan. 20	5.15	295	1972	Jan. 10	3.05	124
1966	Mar. 4	5.11	291	1970	Mar. 19	2.20	72	1973	Mar. 16	3.64	165
1967	July 25	1.63	45	1971	Mar. 3	3.03	122	1974	Apr. 4	3.15	130
1968	Mar. 12	4.16	205								

02209000 ALCOVY RIVER BELOW COVINGTON, GA.

LOCATION.--Lat 33°30'21", long 83°49'30", Newton County, near bridge on county road 600 ft downstream from Henderson Mill, 4 mi downstream from Central of Georgia Railway bridge, and 7 mi southeast of Covington.

DRAINAGE AREA.--244 mi^2.

GAGE.--Nonrecording prior to June 27, 1944; water-stage recorder June 27, 1944, to Jan. 17, 1949; crest-stage gage thereafter. Prior to June 27, 1944, at site 300 ft upstream at datum about 0.7 ft lower. All stages given adjusted to present datum. Altitude of gage is 600 ft (from Corps of Engineers profile).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 7,200 ft^3/s. Bankfull stage and discharge, 10 ft and 2,500 ft^3/s.

HISTORICAL DATA.--The peak stage and date of great floods since 1887 are marked on the wall of Henderson Mill, which is 600 ft above gage. These marks have been converted to present site and gage datum and are listed in the tabulation of annual peaks for 1887, 1920, and 1936.

REMARKS.--Records for 1929-32 from Corps of Engineers.

FLOOD-FREQUENCY DATA (ft^3/s)
26 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 3,100	3,290
Q_5	= 5,350	5,840
Q_{10}	= 7,180	7,970
Q_{25}	= 10,000	11,100
Q_{50}	= 12,500	13,800
Q_{100}	= 15,400	16,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.504
Standard deviation	= 0.269
Station skew	= 0.370
Regional or weighted skew	= 0.295

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1887	July 30	27.20	a12,400	1947	Jan. 21	12.7	3,600	1958	Feb. 7	7.47	1,530
1920	Dec. 10	23.0	a9,460	1948	Feb. 10	13.8	3,980	1959	May 31	8.02	1,700
1929	Mar. 6		8,410	1949	Nov. 29	21.3	8,270	1960	Jan. 30	9.56	2,260
1930	Oct. 3		4,590	1952	Mar.	11.5	2,980	1961	Feb. 26	16.88	5,540
1931	May 8		1,410	1953	Jan.	9.26	2,160	1962	Feb. 23	10.96	2,780
1932	Feb. 23		2,080	1954	Jan. 22	7.19	1,440	1963	June 28	15.51	4,790
1936	Apr. 16	22.4	a9,040	1955	June	7.61	1,560	1964	Apr. 6	15.72	5,000
1945	Apr. 26	14.4	4,470	1956	Mar.	10.8	2,700	1965	Mar. 17	6.89	1,350
1946	Jan. 8	20.2	7,520	1957	Apr.	10.8	2,700				

02210500 OCMULGEE RIVER NEAR JACKSON, GA.

LOCATION.--Lat 33°18'27", long 83°50'18", Butts County, on right bank 500 ft upstream from bridge on State Highway 16, 0.5 mi upstream from Yellow Water Creek, 1.0 mi downstream from Lloyd Shoals Dam, and 7 mi east of Jackson.

DRAINAGE AREA.--1,420 mi^2, approximately.

GAGE.--Nonrecording, 1906-12, 1914-15; water-stage recorder, Aug. 3, 1939, to Sept. 30, 1960; crest-stage gage thereafter. Datum of gage is 419.29 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 46,000 ft^3/s and extended above, on basis of flow over Lloyd Shoals Dam at 69,000 ft^3/s. Bankfull stage and discharge, 14 ft and 24,000 ft^3/s.

HISTORICAL DATA.--The flood of 1920 is thought to be the highest since 1887, based on information at nearby gages.

REMARKS.--Peak discharges are regulated by storage in Lloyd Shoals Reservoir (maximum flood-control storage, 78,000 acre-ft), which was put in operation in 1910. Only the smaller peaks are considered to be significantly regulated. Because of the regulation and poor stage-discharge relation, annual peaks for the period 1906-15 are not presented in this report.

FLOOD-FREQUENCY DATA (ft^3/s)
28 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 18,600	-
Q_5	= 30,800	-
Q_{10}	= 38,400	-
Q_{25}	= 47,200	-
Q_{50}	= 53,100	-
Q_{100}	= 58,400	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.234
Standard deviation	= 0.296
Station skew	= -0.826
Regional or weighted skew	= -0.710

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1912	Mar. 16	20.8	a45,500	1948	Feb. 10	12.9	20,900	1957	Apr. 5	12.5	19,800
1920	Dec. 11	26.80	a69,000	1949	Nov. 28	23.9	a56,600	1958	Feb. 7	11.5	17,200
1940	July 14	10.0	11,900	1950	Sept. 9	9.35	12,000	1959	June 2	15.4	28,000
1941	Mar. 27	5.87	3,300	1951	Feb.	5.95	3,710	1960	Mar. 30	11.6	17,500
1942	Mar. 21	20.8	a45,500	1952	Mar. 4	15.1	27,100	1961	Feb. 26	20.1	43,100
1943	Jan. 19	15.3	27,700	1953	May 1	9.26	11,500	1962	Feb. 23	12.95	21,200
1944	Mar. 23	13.2	21,500	1954	Dec. 13	8.2	9,080	1963	Apr. 30	13.44	22,300
1945	Apr. 26	16.1	30,100	1955	Feb. 9	7.09	6,250	1964	May 3	15.06	27,000
1946	Jan. 8	20.8	a45,500	1956	Mar. 18	12.4	19,600	1965	Mar. 18	9.12	11,200
1947	Jan. 21	13.6	22,900								

02211300 TOWALIGA RIVER NEAR JACKSON, GA.

LOCATION.--Lat 33°15'50", long 84°04'17", Butts County, at bridge on State Highway 16, 6.5 mi west of Jackson.

DRAINAGE AREA.--105 mi^2, approximately.

GAGE.--Water-stage recorder prior to Oct. 1, 1971; crest-stage gage thereafter. Altitude of gage is 600 ft (from topographic map).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 7,400 ft^3/s. Bankfull stage and discharge, 8 ft and 1,000 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
14 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 3,130	3,140
Q_5	= 4,750	4,870
Q_{10}	= 5,870	6,210
Q_{25}	= 7,340	7,920
Q_{50}	= 8,470	9,370
Q_{100}	= 9,610	10,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.492
Standard deviation	= 0.218
Station skew	= -0.145
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1961	Feb. 25	13.89	4,220	1966	Oct. 2	15.53	5,530	1971	Mar. 3	17.17	7,470
1962	Feb. 23	11.70	2,720	1967	Aug. 25	9.85	1,730	1972	Jan. 10	13.08	4,060
1963	June 20	12.78	3,450	1968	Mar. 13	13.75	4,120	1973	Dec. 16	12.60	3,800
1964	Mar. 15	13.85	4,200	1969	Apr. 19	10.71	2,550	1974	Jan. 21	8.90	1,460
1965	Oct. 5	9.15	1,480	1970	Mar. 22	9.71	1,860				

02211459 BIG TOWALIGA CREEK NEAR BARNESVILLE, GA.

LOCATION.--Lat 33°04'20", long 84°11'04", Lamar County, at culvert on county road, 2.1 mi northwest of Barnesville.

DRAINAGE AREA.--2.36 mi^2.

GAGE.--Flood-stage, rainfall recorder prior to Feb. 12, 1971; water-stage and rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 200 ft^3/s and extended above, on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
6 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 341	339
Q_5	= 589	585
Q_{10}	= 778	772
Q_{25}	= 1,040	1,030
Q_{50}	= 1,260	1,250
Q_{100}	= 1,490	1,480

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.528
Standard deviation	= 0.286
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1969	Apr. 18	4.64	183	1971	Mar. 2	6.69	483	1973	May 28	5.64	316
1970	Mar. 20	5.40	282	1972	June 27	4.93	218	1974	Apr. 4	6.57	463

02211500 TOWALIGA RIVER NEAR FORSYTH, GA.

LOCATION.--Lat 33°07'17", long 83°56'36", Monroe County, at bridge on State Highway 42, 0.2 mi downstream from Rocky Creek, 1.5 mi downstream from Little Towaliga River, and 6 mi north of Forsyth.

DRAINAGE AREA.--315 mi^2, approximately.

GAGE.--Water-stage recorder prior to Jan. 1, 1950; crest-stage thereafter. Datum of gage is 409.7 ft above mean sea level. Feb. 1, 1929, to Apr. 30, 1932, at site 0.5 mi downstream at different datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements at former site. Defined by current-meter measurements below 7,000 ft^3/s at present site and extended above, on basis of records at former site. Bankful stage and discharge, 13 ft and 5,000 ft^3/s.

HISTORICAL DATA.--Flood of Mar. 15, 1929, is highest flood since 1920, based on information for nearby stations.

REMARKS.--Records for 1929-31 are daily peak discharges (from Corps of Engineers).

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 5,970	6,000
Q_5	= 9,020	9,200
Q_{10}	= 11,200	11,700
Q_{25}	= 14,000	14,800
Q_{50}	= 16,200	17,500
Q_{100}	= 18,500	19,900

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.774
Standard deviation	= 0.215
Station skew	= 0.099
Regional or weighted skew	= -0.044

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1929	Mar. 15		a15,900	1950			d4,000	1958	Nov.	12.3	4,650
1930	Oct. 2		13,500	1951			d4,000	1959	May 30	17.18	8,700
1931	Nov. 17		d3,980	1952	Mar.	19.28	10,900	1960			d4,000
1945	Apr. 26	15.8	7,320	1953	Apr. 30	12.25	4,590	1961	Feb. 26	17.99	9,500
1946	Jan. 7	16.2	7,700	1954			d4,000	1962			d4,000
1947	Mar. 7	16.4	7,900	1955			d4,000	1963	Mar. 31	15.15	6,780
1948	Feb. 10	11.4	4,110	1956	Sept.27	13.63	5,520	1964	Apr. 6	17.45	8,900
1949	Nov. 27	20.9	13,200	1957	Dec. 24	15.21	6,780	1965	Dec. 26	11.88	4,410

02212500 OCMULGEE RIVER AT JULIETTE, GA.

LOCATION.--Lat 33°05'50", long 83°47'10", Jones County, on left bank 0.9 mi downstream from Juliette Mills at Juliette, and 2.5 mi downstream from Towaliga River.

DRAINAGE AREA.--1,960 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 340.97 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 41,000 ft^3/s.

HISTORICAL DATA.--Flood stage of May 1886 based on information furnished by local residents.

REMARKS.--The smaller peak discharges are regulated by storage in Lloyd Shoals Reservoir (maximum flood-control storage, 78,000 acre-ft), which was put into operation in 1910.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1886	May	32.00	55,800	1918	Jan. 30	14.20	15,300	1920	Dec. 11	30.80	52,900
1916	July 10	26.40	42,400	1919	Dec. 23	20.40	28,100	1921	Feb. 11	22.80	33,800
1917	Mar. 27	20.20	27,600								

02212600 FALLING CREEK NEAR JULIETTE, GA.

LOCATION.—Lat 33°05'59", long 83°43'25", Jones County, on left bank 100 ft upstream from highway bridge, 4 mi upstream from Caney Creek, and 5.1 mi east of Juliette.

DRAINAGE AREA.—72.2 mi^2.

GAGE.—Water-stage recorder. Altitude of gage is 370 ft (from topographic map).

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 6,000 ft^3/s. Bankfull stage and discharge, 14 ft and 2,100 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 2,840	2,760
Q_5	= 4,880	4,640
Q_{10}	= 6,520	6,110
Q_{25}	= 8,580	7,880
Q_{50}	= 10,300	9,470
Q_{100}	= 12,200	10,900

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.449
Standard deviation	= 0.283
Station skew	= -0.031
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Oct. 5	19.30	5,300	1969	Apr. 18	18.44	4,550	1972	Jan. 12	11.44	1,220
1966	Jan. 15	14.19	2,170	1970	Mar. 22	15.77	2,680	1973	Apr. 8	15.65	2,460
1967	Dec. 29	13.35	1,900	1971	Mar. 2	23.00	7,700	1974	Apr. 5	19.66	4,730
1968	Dec. 29	9.92	1,060								

02213000 OCMULGEE RIVER AT MACON, GA.

LOCATION.—Lat 32°50'19", long 83°37'14", Bibb County, at downstream end of center pier of Fifth Street Bridge in Macon, 1.5 mi upstream from Walnut Creek, and at mile 198.0.

DRAINAGE AREA.—2,240 mi^2, approximately.

GAGE.—Nonrecording gage prior to Oct. 1, 1931; water-stage recorder thereafter. At sites within 1.5 mi of present site and at about present datum prior to Oct. 9, 1905, and for period Jan. 11, 1925, to Apr. 15, 1926. Water-stage recorder at present site since Oct. 1, 1931. Datum of gage is 269.80 ft above mean sea level.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 76,000 ft^3/s. Bankfull stage and discharge, 18 ft and 13,000 ft^3/s.

HISTORICAL DATA.—Flood of 1949 was the highest since 1887, based on information from nearby stations.

REMARKS.—Minor regulation of lower peak discharges from storage in Lloyd Shoals Reservoir (maximum flood-control storage, 78,000 acre-ft), which was put into operation in 1910. Records of 1887, 1894-95, 1900-1931 furnished by National Weather Service. Records of 1893-1909 are maximum daily discharge.

FLOOD-FREQUENCY DATA (ft^3/s)
83 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 29,300	-
Q_5	= 47,400	-
Q_{10}	= 59,300	-
Q_{25}	= 73,900	-
Q_{50}	= 84,400	-
Q_{100}	= 94,500	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.447
Standard deviation	= 0.267
Station skew	= -0.623
Regional or weighted skew	= -0.469

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1887	Aug.	[1]24.0	55,000	1920	Dec. 11	25.3	66,200	1948	Feb. 11	20.1	24,000
1893	Feb. 17	13.4	10,200	1921	Feb. 11	21.6	37,000	1949	Nov. 29	28.00	83,500
1894	Aug. 6	14.2	11,300	1922	Mar. 11	23.2	48,600	1950	Sept.19	15.0	9,340
1895	Mar. 17	18.4	21,000	1923	May 30	20.1	28,300	1951	Apr. 23	13.2	6,940
1896	July 9	20.0	53,300	1924	Sept.30	18.4	21,000	1952	Mar. 5	23.9	46,800
1897	Mar. 14	18.0	33,800	1925	Jan. 19	[1]26.0	72,500	1953	May 1	22.7	38,400
1898	Sept. 4	18.2	35,300	1926	Mar. 31	[1]20.1	28,300	1954	Dec. 14	17.1	13,800
1899	Oct. 5	17.3	29,000	1927	Mar. 12	13.0	7,900	1955	Apr. 14	16.3	11,800
1900	Feb. 14	21.7	37,700	1928	Aug. 16	23.0	47,100	1956	Mar. 19	19.0	19,700
1901	Apr. 3	18.8	22,400	1929	Feb. 28	26.1	73,400	1957	Dec. 25	20.2	24,400
1902	Mar. 1	22.8	45,600	1930	Oct. 2	25.1	64,400	1958	Feb. 8	19.5	21,600
1903	Feb. 9	20.7	31,600	1931	Apr. 1	14.9	10,700	1959	June 3	20.9	27,500
1904	Aug. 10	15.4	12,600	1932	Feb. 4	18.1	19,600	1960	Mar. 31	19.5	21,600
1905	Feb. 13	16.4	15,400	1933	Feb. 20	17.9	17,300	1961	Feb. 26	24.1	48,200
1906	Jan. 23	19.9	27,300	1934	Mar. 6	17.3	17,000	1962	Mar. 12	20.03	23,700
1907	Oct. 4	18.2	20,300	1935	Oct. 12	18.9	24,300	1963	Jan. 21	22.72	38,500
1908	Apr. 27	20.4	29,900	1936	Apr. 9	25.2	63,700	1964	Apr. 8	24.73	52,600
1909	Mar. 13	20.6	31,000	1937	Apr. 30	21.0	33,300	1965	Dec. 26	23.69	45,300
1910	Mar. 1	20.2	28,800	1938	Apr. 7	20.6	31,000	1966	Feb. 14	23.04	40,800
1911	Aug. 5	12.1	8,940	1939	Mar. 1	21.1	33,900	1967	Aug. 26	18.61	17,000
1912	Mar. 16	22.7	44,800	1940	Feb. 18	16.4	13,200	1968	Mar. 14	20.46	23,200
1913	Mar. 16	23.5	51,000	1941	Dec. 28	12.7	7,300	1969	Apr. 19	22.18	33,100
1914	Jan. 3	8.4	4,800	1942	Mar. 22	26.1	73,400	1970	Mar. 23	25.47	41,900
1915	Jan. 19	17.8	19,100	1943	Mar. 22	22.7	44,800	1971	Mar. 4	29.45	58,600
1916	July 11	23.1	47,800	1944	Mar. 20	23.4	50,200	1972	Jan. 13	23.60	34,000
1917	Apr. 6	19.5	25,400	1945	Apr. 27	22.1	40,400	1973	Apr. 8	21.41	25,000
1918	Jan. 31	15.9	14,300	1946	Jan. 8	24.3	57,600	1974	Apr. 5	23.00	31,500
1919	Feb. 26	20.6	31,000	1947	Mar. 9	21.8	32,600				

[1] At present site and datum.

02213050 WALNUT CREEK NEAR GRAY, GA.

LOCATION.—Lat 32°58'20", long 83°37'08", Jones County, on downstream side of right bank pier of abandoned bridge, 500 ft downstream from bridge on State Highway 18, 1.4 mi upstream from Bonner Creek, and 5.5 mi southeast of Gray.

DRAINAGE AREA.—29 mi^2, approximately.

GAGE.—Water-stage recorder. Altitude of gage is 390 ft (from topographic map).

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 4,700 ft^3/s and extended above, on basis of contracted-opening measurement at 15,500 ft^3/s. Bankfull stage and discharge, 8 ft and 2,500 ft/s.

FLOOD-FREQUENCY DATA (ft^3/s)
13 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 2,450	2,210
Q_5	= 4,470	3,750
Q_{10}	= 6,080	4,830
Q_{25}	= 8,390	6,260
Q_{50}	= 10,300	7,490
Q_{100}	= 12,400	8,670

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.384
Standard deviation	= 0.315
Station skew	= -0.480
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1962	Feb. 22	11.90	4,920	1967	Dec. 29	4.43	1,150	1971	Mar. 2	10.56	3,940
1963	May 28	13.80	6,600	1968	Jan. 10	3.67	619	1972	Dec. 3	4.27	1,040
1964	Apr. 8	12.00	5,000	1969	Apr. 18	5.45	1,640	1973	May 29	9.33	3,150
1965	Dec. 26	23.80	b15,500	1970	Mar. 20	6.95	2,090	1974	Feb. 15	9.90	3,490
1966	Jan. 15	7.47	2,260								

02213350 TOBESOFKEE CREEK BELOW FORSYTH, GA.

LOCATION.—Lat 32°59'37", long 83°56'41", Monroe County, at State Highway 42, 3 mi southwest of Forsyth.

DRAINAGE AREA.—53.4 mi^2.

GAGE.—Crest-stage gage. Datum of gage is 473.5 ft above mean sea level.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 940 ft^3/s and extended above, on basis of contracted-opening measurement at 9,160 ft^3/s.

REMARKS.—1972 peak discharge estimated to be 1,400 ft^3/s, based on nearby stations.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 1,890	1,950
Q_5	= 4,030	3,840
Q_{10}	= 5,920	5,330
Q_{25}	= 8,870	7,310
Q_{50}	= 11,500	9,050
Q_{100}	= 14,400	10,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.271
Standard deviation	= 0.395
Station skew	= 1.382
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1963	Jan. 20	4.27	1,800	1967			d1,100	1970	Mar. 19	3.44	1,230
1964	May 2	4.85	2,300	1968	Mar. 12	3.81	1,450	1971	July 24	10.10	9,160
1965	Oct. 5	5.80	3,300	1969	Apr. 18	5.62	3,050	1972	June		1,400
1966	Feb. 13	3.96	1,560								

02213400 LITTLE TOBESOFKEE CREEK NEAR FORSYTH, GA.

LOCATION.--Lat 32°57'10", long 84°02'33", Monroe County, at State Highway 83, 8.2 mi southwest of Forsyth.

DRAINAGE AREA.--16.8 mi^2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 660 ft^3/s and extended above, on basis of contracted-opening measurement at 3,970 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	1,080	1,080
Q_5	2,510	2,250
Q_{10}	3,850	3,180
Q_{25}	6,030	4,460
Q_{50}	8,040	5,580
Q_{100}	10,400	6,690

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.028
Standard deviation	0.439
Station skew	0.163
Regional or weighted skew	-0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Apr. 22	4.96	380	1955	May 23	4.98	380	1959	Feb.	4.80	352
1952	Mar. 3	10.11	3,060	1956	Mar. 16	9.73	2,560	1960	Apr. 4	6.93	729
1953	May 1	10.67	4,040	1957	June 5	7.95	1,140	1961	Feb. 25	10.63	3,970
1954	Dec. 4	4.66	338	1958	Nov. 19	7.90	1,120				

02213470 TOBESOFKEE CREEK ABOVE MACON, GA.

LOCATION.--Lat 32°51'15", long 83°50'22", Bibb County, on left bank 800 ft upstream from bridge on State Highway 74, 1.7 mi downstream from Little Tobesofkee Creek, and 8.0 mi west of Macon.

DRAINAGE AREA.--156 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 365.2 ft above mean sea level (S. J. Gostin Co. bench mark).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 7,600 ft^3/s.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1968	Mar. 13	7.59	1,710	1971	Mar. 2	14.09	8,580	1973	May 29	10.27	3,820
1969	Apr. 19	12.68	6,630	1972	June 28	8.05	2,010	1974	Apr. 5	11.28	4,890
1970	Mar. 20	9.26	2,820								

02213500 TOBESOFKEE CREEK NEAR MACON, GA.

LOCATION.—Lat 32°48'32", long 83°45'30", Bibb County, on right bank at downstream end of pier of bridge on U.S. Highway 80, 8 mi west of Macon, and 14 mi upstream from mouth.

DRAINAGE AREA.—182 mi^2.

GAGE.—Water-stage recorder. Datum of gage is 309.98 ft above mean sea level. Prior to Aug. 28, 1942, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 6,300 ft^3/s. Bankfull stage and discharge, 17 ft and 5,000 ft^3/s.

REMARKS.—Minor regulation since November 1967 by Lake Tobesofkee, about 1 mi upstream. Flood-frequency values listed below, based on unregulated record.

FLOOD-FREQUENCY DATA (ft^3/s)
30 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	3,580	3,650
Q_5	6,150	6,300
Q_{10}	8,110	8,370
Q_{25}	10,800	11,100
Q_{50}	13,000	13,400
Q_{100}	15,300	15,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.549
Standard deviation	= 0.283
Station skew	= -0.213
Regional or weighted skew	= -0.108

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1938	Apr. 8	16.3	4,860	1951	Apr. 23	8.13	1,380	1963	Jan. 21	17.3	5,220
1939	Mar. 1	15.0	4,260	1952	Mar. 5	18.0	5,700	1964	Apr. 9	20.1	7,230
1940	Feb. 19	10.6	2,220	1953	May 1	20.8	7,790	1965	Dec. 26	22.6	9,290
1941	Dec. 28	5.4	851	1954	Dec. 6	8.9	1,580	1966	Jan. 15	14.03	3,480
1942	Dec. 24	21.4	8,270	1955	Apr. 14	11.0	2,090	1967	Aug. 25	10.75	2,140
1943	Mar. 22	18.0	5,700	1956	Mar. 16	10.1	1,930	1968	Aug. 2	8.29	1,430
1944	Mar. 21	23.2	9,830	1957	May 4	15.2	4,040	1969	Apr. 19	17.80	5,590
1945	Apr. 25	10.2	2,090	1958	Mar. 7	11.8	2,520	1970	Mar. 20	16.10	4,530
1946	Dec. 26	13.2	3,170	1959	Feb. 4	11.0	2,230	1971	Mar. 2	20.51	7,560
1947	Mar. 8	15.1	4,050	1960	Mar. 31	12.8	2,920	1972	June 28	10.31	2,090
1948	Nov. 12	11.6	2,450	1961	Feb. 25	20.3	7,390	1973	Apr. 7	18.73	6,210
1949	Nov. 28	20.5	7,550	1962	Feb. 23	16.6	5,100	1974	Apr. 5	15.42	4,700
1950	Mar. 7	7.70	1,290								

02214000 ECHECONNEE CREEK NEAR MACON, GA.

LOCATION.—Lat 32°45'54", long 83°50'22", Crawford-Bibb Counties, at county road, 13 mi southwest of Macon.

DRAINAGE AREA.—147 mi^2.

GAGE.—Water-stage recorder prior to July 20, 1950; crest-stage gage thereafter. Datum of gage is 332.51 ft above mean sea level.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 7,000 ft^3/s. Bankfull stage and discharge, 11 ft and 4,500 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
30 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	4,080	4,060
Q_5	7,870	7,630
Q_{10}	11,000	10,500
Q_{25}	15,800	14,500
Q_{50}	19,800	17,900
Q_{100}	24,300	21,300

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.607
Standard deviation	= 0.342
Station skew	= 0.421
Regional or weighted skew	= -0.065

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1938	Apr. 7	11.6	5,720	1955	Apr. 14	9.26	2,920	1965	Dec. 26	15.84	18,500
1939	Feb. 28	10.9	4,380	1956	Sept.26	7.34	1,860	1966	Feb. 13	10.39	3,850
1940	Feb. 18	10.3	3,620	1957	May 4	11.8	5,900	1967	Dec. 29	7.11	1,760
1941	July 12	6.95	1,710	1958	Apr. 6	10.6	4,060	1968			d1,100
1942	Mar. 22	12.8	8,760	1959	Mar. 24	8.96	2,740	1969	Apr. 18	10.68	4,160
1943	Mar. 21	12.6	8,160	1960	Mar. 3	9.27	2,920	1970	Mar. 20	11.21	4,840
1951	Apr. 4	7.58	2,010	1961	Feb. 25	13.4	9,840	1971	Mar. 2	8.73	2,590
1952	Mar. 24	12.0	6,400	1962	Feb. 22	12.79	8,300	1972	Dec. 3	6.92	1,670
1953	May 1	15.0	15,000	1963	Jan. 20	11.78	5,900	1973	Apr. 7	10.86	4,330
1954	Dec. 5	7.61	2,010	1964	Apr. 6	15.04	15,000	1974	Feb. 15	9.57	3,120

02214500 BIG INDIAN CREEK AT PERRY, GA.

LOCATION.—Lat 32°27'20", long 83°44'21", Houston County, at municipal waterworks at Perry, and 300 ft downstream from bridge on U.S. Highway 41.

DRAINAGE AREA.—108 mi^2.

GAGE.—Water-stage recorder prior to Aug. 1, 1971; crest-stage gage thereafter. Datum of gage is 279.39 ft above mean sea level.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 4,600 ft^3/s. Bankfull stage and discharge, 4.5 ft and 400 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
31 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 885	940
Q_5	= 1,740	1,840
Q_{10}	= 2,450	2,580
Q_{25}	= 3,480	3,640
Q_{50}	= 4,340	4,540
Q_{100}	= 5,290	5,520

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.936
Standard deviation	= 0.359
Station skew	= 0.025
Regional or weighted skew	= -0.018

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1944	Mar. 23	8.6	3,000	1955	Apr. 15	7.34	1,420	1965	Dec. 26	7.12	1,180
1945	Feb. 21	4.4	386	1956	Feb. 7	3.68	254	1966	Mar. 4	11.52	4,820
1946	Jan. 16	6.2	1,110	1957	May 5	5.97	840	1967	Jan. 2	4.94	456
1947	Apr. 15	5.9	960	1958	July 20	6.48	1,040	1968	Dec. 11	3.58	208
1948	Feb. 10	5.6	820	1959	Feb. 5	5.13	568	1969	Aug. 3	4.36	315
1949	Feb. 11	6.2	1,110	1960	Apr. 5	6.42	1,000	1970	Mar. 31	9.50	3,040
1950	June 1	3.7	268	1961	Apr. 1	7.04	1,280	1971	Mar. 26	6.00	840
1951	Dec. 30	3.0	193	1962	Jan. 6	9.02	2,410	1972	Jan. 14	7.28	1,510
1952	May 30	6.2	1,110	1963	Jan. 21	5.35	625	1973	Apr. 27	8.70	2,430
1953	June 27	4.75	490	1964	Apr. 9	8.7	2,190	1974	June 14	5.35	591
1954	Dec. 14	4.70	474								

02215000 OCMULGEE RIVER AT HAWKINSVILLE, GA.

LOCATION.—Lat 32°16'50", long 83°27'40", Pulaski County, at U.S. Highway 341, at Hawkinsville, and at mi 135.1.

DRAINAGE AREA.—3,800 mi^2, approximately.

GAGE.—Nonrecording. Datum of gage is 189.56 ft above mean sea level.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 68,000 ft^3/s. Bankfull stage and discharge, 14 ft and 10,000 ft^3/s.

HISTORICAL DATA.—Unpublished data (National Weather Service information) indicates that the flood of 1925 was probably the highest since 1841.

REMARKS.—Stage records for 1877, 1909-43, and 1960-75 from National Weather Service. Minor regulation of lower peak discharges from storage in Lloyd Shoals Reservoir (maximum flood-control storage, 78,000 acre-ft) since 1910.

FLOOD-FREQUENCY DATA (ft^3/s)
67 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 26,600	-
Q_5	= 42,800	-
Q_{10}	= 53,200	-
Q_{25}	= 65,600	-
Q_{50}	= 74,300	-
Q_{100}	= 82,500	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.401
Standard deviation	= 0.268
Station skew	= -0.545
Regional or weighted skew	= -0.545

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1877	Aug.	34.90	a70,500	1931	Nov. 22	15.9	12,200	1953	May 7	25.8	32,400
1909	Mar. 17	26.7	35,400	1932	Jan. 13	18.8	16,200	1954	Dec. 18	16.9	13,500
1910	Mar. 6	20.3	18,800	1933	Feb. 25	20.9	19,900	1955	Apr. 20	14.8	10,900
1911	Apr. 19	9.2	5,920	1934	Mar. 10	19.5	17,400	1956	Mar. 22	19.7	17,700
1912	Mar. 19	29.1	44,400	1935	Oct. 17	16.9	13,500	1957	Apr. 11	20.0	18,200
1913	Mar. 19	31.0	52,000	1936	Apr. 12	33.0	61,000	1958	Mar. 12	20.4	19,000
1914	Mar. 3	9.1	5,850	1937	May 5	23.5	25,800	1959	June 7	19.5	17,400
1915	Jan. 23	21.0	20,100	1938	Apr. 11	26.0	33,000	1960	Apr. 5	23.6	26,000
1916	July 14	28.1	40,400	1939	Mar. 4	27.4	37,900	1961	Mar. 2	30.0	48,000
1917	Mar. 9	24.0	27,000	1940	Feb. 24	16.8	13,300	1962	Mar. 16	23.2	25,000
1918	Feb. 5	17.5	14,300	1941	July 19	10.6	6,930	1963	Jan. 25	26.1	33,400
1919	Mar. 1	28.0	40,000	1942	Mar. 25	32.1	57,000	1964	Apr. 12	30.3	49,200
1920	Dec. 15	29.3	45,200	1943	Mar. 25	28.4	41,600	1965	Dec. 30	20.6	19,300
1921	Feb. 15	25.0	30,000	1944	Mar. 26	29.7	46,800	1966	Mar. 8	27.3	37,600
1922	Mar. 14	29.0	44,000	1945	May 1	23.7	28,400	1967	Jan. 5	19.0	16,500
1923	June 2	25.1	30,300	1946	Jan. 12	26.7	37,100	1968	Mar. 18	19.90	18,000
1924	Jan. 24	18.1	15,200	1947	Mar. 12	26.5	36,500	1969	Apr. 24	21.95	22,200
1925	Jan. 21	36.50	a79,000	1948	Feb. 15	24.4	28,200	1970	Mar. 26	27.00	36,500
1926	Apr. 5	20.6	19,300	1949	Dec. 2	34.4	68,000	1971	Mar. 7	32.10	55,600
1927	Mar. 16	11.4	7,580	1950	Mar. 13	13.0	9,030	1972	Jan. 16	27.00	36,500
1928	Aug. 19	28.6	42,400	1951	Apr. 29	10.7	7,010	1973	Apr. 12	23.94	26,800
1929	Mar. 8	34.9	70,500	1952	Mar. 9	26.6	35,100	1974	Feb. 20	22.7	23,800
1930	Oct. 6	30.5	50,000								

02215220 OCMULGEE RIVER TRIBUTARY NEAR ABBEVILLE, GA.

LOCATION.--Lat 32°06'53", long 83°24'12", Wilcox County, at culvert on U.S. Highway 129, 10 mi northwest of Abbeville.

DRAINAGE AREA.--2.92 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 120 ft^3/s and extended above, on basis of culvert computations.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 69	91
Q_5	= 107	153
Q_{10}	= 134	203
Q_{25}	= 168	269
Q_{50}	= 194	315
Q_{100}	= 220	362

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 1.832
Standard deviation	= 0.234
Station skew	= -1.440
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Feb. 18	2.68	116	1969	Aug. 4	1.23	10	1972	Feb. 3	2.13	59
1966	Mar. 4	2.97	156	1970	Mar. 31	2.83	135	1973	Feb. 2	2.38	81
1967	Feb. 7	2.18	63	1971	Mar. 3	2.19	63	1974	Sept. 7	1.83	37
1968			d2								

02215230 CEDAR CREEK NEAR PINEVIEW, GA.

LOCATION.--Lat 32°05'34", long 83°30'12", Wilcox County, at culvert on State Highway 112, 1.5 mi south of Pineview.

DRAINAGE AREA.--7.80 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 630 ft^3/s and extended above, on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 265	272
Q_5	= 469	480
Q_{10}	= 624	636
Q_{25}	= 839	850
Q_{50}	= 1,010	1,020
Q_{100}	= 1,190	1,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.413
Standard deviation	= 0.304
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Feb. 18	3.93	282	1969	Aug. 4	4.31	406	1972	Jan. 14	3.36	153
1966	Mar. 3	4.91	680	1970	Mar. 31	4.01	305	1973	Feb. 2	5.06	766
1967	Feb. 7	3.55	190	1971	Mar. 3	3.21	128	1974	Apr. 5	3.46	172
1968			d6								

02215245 FOLSOM CREEK TRIBUTARY NEAR ROCHELLE, GA.

LOCATION.--Lat 32°00'15", long 83°25'58", Wilcox County, at culvert on State Highway 233, 4 mi north of Rochelle.

DRAINAGE AREA.--1.44 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 46 ft^3/s and extended above, on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 108	111
Q_5	= 211	210
Q_{10}	= 294	290
Q_{25}	= 415	404
Q_{50}	= 516	501
Q_{100}	= 623	603

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.022
Standard deviation	= 0.355
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	July 21	4.74	244	1968			d2	1972	Jan. 5	2.96	110
1965	July 12	2.51	80	1969	Aug. 4	1.89	39	1973	Apr. 1	2.66	89
1966	Feb. 28	3.11	121	1970	Aug. 11	7.16	434	1974	Apr. 5	2.19	59
1967	Feb. 7	2.06	50	1971	Mar. 3	4.77	246				

02215280 LITTLE HOUSE CREEK TRIBUTARY NEAR REBECCA, GA.

LOCATION.--Lat 31°50'05", long 83°22'14", Ben Hill County, at culvert on State Highway 90, 7.5 mi east of Rebecca.

DRAINAGE AREA.--2.45 mi^2.

GAGE.--Crest-stage gage prior to Aug. 20, 1964; flood-stage recorder, Aug. 20, 1964, to Dec. 1, 1967; flood-stage, rainfall recorder, Dec. 1, 1967, to Aug. 20, 1970; and water-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 100 ft^3/s and extended above, on basis of culvert computations.

REMARKS.--Peak discharges for 1961 and 1964 are estimated. Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 206	200
Q_5	= 362	350
Q_{10}	= 480	461
Q_{25}	= 643	615
Q_{50}	= 771	740
Q_{100}	= 907	873

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.304
Standard deviation	= 0.300
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1960	Apr. 5	9.50	755	1965	Feb. 26	3.40	146	1970	July 4	5.84	364
1961	Apr. 15		175	1966	Mar. 4	4.65	254	1971	Mar. 26	2.57	79
1962			d50	1967	Feb. 7	3.49	150	1972	June 25	3.07	116
1963	July 9	6.61	440	1968	Jan. 1	1.20	d16	1973	Apr. 1	4.18	212
1964	June 25		530	1969	Aug. 22	5.04	290	1974	Sept.17	5.50	331

02215500 OCMULGEE RIVER AT LUMBER CITY, GA.

LOCATION.—Lat 31°55'06", long 82°40'26", Telfair County, near left bank on downstream end of pier of bridge on U.S. Highway 341 at Lumber City, 500 ft downstream from Southern Railway bridge, 1 mi upstream from Little Ocmulgee River, and 12 mi upstream from confluence with Oconee River.

DRAINAGE AREA.—5,180 mi^2, approximately.

GAGE.—Water-stage recorder. Datum of gage is 87.48 ft above mean sea level. Prior to Nov. 8, 1937, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 67,000 ft^3/s and extended above, on basis of records of peak flow for stations on Oconee, Ocmulgee, and Altamaha Rivers. Stage-discharge record affected by backwater after rises of over 19 ft. Bankfull stage and discharge, 15 ft and 25,000 ft^3/s.

HISTORICAL DATA.—Flood of March 1891 was the highest flood known by local residents at the time the gage was installed in 1918. Unpublished National Weather Service information indicates that the flood of 1925 was probably the highest since at least 1841.

REMARKS.—Stage records for 1909-36 from National Weather Service. Minor regulation of lower peak discharges from storage in Lloyd Shoals Reservoir (maximum flood-control storage, 78,000 acre-ft) since 1910.

FLOOD-FREQUENCY DATA (ft^3/s)
67 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 26,500	-
Q_5	= 43,000	-
Q_{10}	= 55,000	-
Q_{25}	= 71,200	-
Q_{50}	= 84,000	-
Q_{100}	= 97,200	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.420
Standard deviation	= 0.253
Station skew	= -0.106
Regional or weighted skew	= -0.106

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1891	Mar.	21.6	a65,200	1929	Mar. 11	23.0	a75,800	1950	Mar. 19	10.0	10,200
	Mar.	22.0	-		Mar. 12	23.5	-	1951	Apr. 1	10.5	11,000
1909	Mar. 23	17.7	39,800	1930	Oct. 10	19.9	54,700	1952	Mar. 15	16.8	34,000
1910	Mar. 12	12.1	14,200		Oct. 10	20.0	-	1953	May 13	17.0	35,300
1911	Aug. 31	17.2	36,600	1931	Nov. 21	10.7	11,400	1954	Dec. 26	13.0	16,600
1912	Mar. 24	19.3	50,900	1932	Jan. 20	11.5	12,900	1955	Sept.17	10.7	11,400
1913	Mar. 22	20.5	58,300	1933	Mar. 3	14.1	20,300	1956	Mar. 31	12.3	14,700
	Mar. 23	21.1	-	1934	Mar. 18	13.7	18,800	1957	Apr. 19	12.5	15,200
1914	Mar. 9	9.8	9,960	1935	Mar. 26	9.9	10,100	1958	Mar. 16	14.8	24,600
1915	Jan. 29	13.5	18,200	1936	Apr. 15	22.2	a69,500	1959	Mar. 17	13.2	17,200
1916	July 19	17.2	36,600		Apr. 16	22.7	-	1960	Apr. 9	18.2	39,000
1917	Apr. 6	15.2	25,100	1937	May 11	14.2	20,700	1961	Mar. 8	18.9	43,500
1918	Feb. 13	11.4	12,700	1938	Apr. 17	16.8	34,500	1962	Mar. 7	14.6	22,300
1919	Mar. 5	18.8	47,500	1939	Mar. 9	18.3	43,800	1963	Feb. 1	15.5	26,600
1920	Apr. 7	16.8	34,000	1940	Mar. 1	11.6	12,800	1964	Apr. 18	19.0	48,900
1921	Feb. 21	15.0	24,100	1941	July 24	9.35	8,980	1965	Jan. 6	16.0	29,200
1922	Mar. 16	18.5	45,400	1942	Mar. 31	19.5	52,600	1966	Mar. 10	19.4	51,900
1923	June 7	17.2	36,600	1943	Mar. 30	17.8	40,500	1967	Jan. 12	14.49	21,900
1924	Mar. 8	14.0	19,900	1944	Mar. 31	20.5	60,500	1968	Mar. 26	11.68	12,800
1925	Jan. 21	25.7	a98,400	1945	May 8	13.8	19,200	1969	May 2	12.77	15,900
	Jan. 21	26.3	-	1946	Jan. 19	16.8	34,000	1970	Apr. 2	18.27	39,000
1926	Apr. 11	13.4	17,800	1947	Mar. 18	16.6	32,700	1971	Mar. 13	20.19	49,000
1927	July 30	10.6	11,200	1948	Apr. 3	18.9	48,200	1972	Jan. 23	16.95	35,000
1928	Aug. 21	20.2	56,500	1949	Dec. 8	22.2	a70,000	1973	Apr. 12	15.41	26,200
	Aug. 22	20.3	-		Dec. 9	22.7	-	1974	Feb. 27	14.46	21,700

02216000 LITTLE OCMULGEE RIVER AT TOWNS, GA.

LOCATION.—Lat 32°00'28", long 82°45'10", Telfair County, at State Highway 134, at Towns.

DRAINAGE AREA.—329 mi^2.

GAGE.—Nonrecording prior to December 1946; crest-stage gage after March 15, 1949.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 6,100 ft^3/s and extended above, on basis of slope-conveyance estimates. Bankfull stage and discharge, 10 ft and 1,100 ft^3/s.

HISTORICAL DATA.—Flood stages of 1925 and 1948, based on information furnished by local residents. Flood stage of 1929, based on information furnished by Georgia Department of Transportation. Flood of 1949, from floodmark. Flood of 1925 thought to be the highest since 1841, based on information from nearby stations.

REMARKS.—Peak discharges for 1925 and 1929 are estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
37 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	2,460	2,500
Q_5	4,110	4,220
Q_{10}	5,490	5,640
Q_{25}	7,610	7,760
Q_{50}	9,480	9,680
Q_{100}	11,600	11,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.407
Standard deviation	0.253
Station skew	0.382
Regional or weighted skew	0.382

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1925	Jan.	20.4	a15,000	1951	Mar. 31	10.4	1,290	1963	July 9	12.11	1,990
1929	Mar.	17.3	a8,000	1952	Mar. 15	10.9	1,460	1964	Mar. 5	14.6	3,680
1938	Apr. 13	12.0	2,200	1953	Sept.24	13.3	2,710	1965	Feb. 18	15.4	4,400
1939	Mar. 3	14.6	4,980	1954	Dec. 26	11.1	1,540	1966	Mar. 5	16.25	5,250
1940	July 22	11.2	1,880	1955	Apr. 15	9.48	1,030	1967	Jan. 4	11.79	1,840
1941	July 22	11.9	2,150	1956	Feb. 8	11.3	1,620	1968			d786
1942	Dec. 27	16.0	7,480	1957	May 16	10.6	1,360	1969	Mar. 18	9.28	969
1943	Jan. 23	14.8	5,040	1958	Mar. 14	14.0	3,400	1970	Apr. 1	14.17	3,350
1944	Apr. 19	14.6	4,750	1959	Mar. 9	12.7	2,320	1971	Mar. 27	14.68	3,700
1945	Mar. 1	9.4	1,260	1960	Apr. 6	17.0	6,100	1972	Feb. 3	13.38	2,750
1946	Jan. 23	10.9	1,760	1961	Apr. 15	13.3	2,710	1973	Feb. 2	14.07	3,260
1948	Apr. 4	16.0	7,080	1962	Apr. 1	11.55	1,750	1974	Feb. 17	11.61	1,750
1949	Dec. 9	11.8	2,110								

02216100 ALLIGATOR CREEK NEAR ALAMO, GA.

LOCATION.—Lat 32°01'35", long 82°41'44", Wheeler County, at State Highway 134, 9.5 mi southeast of Alamo.

DRAINAGE AREA.—255 mi^2.

GAGE.—Crest-stage gage. Datum of gage is 109.7 ft above mean sea level.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 4,500 ft^3/s. Bankfull stage and discharge, 10 ft and 1,100 ft^3/s.

HISTORICAL DATA.—Flood stage for 1929 furnished by Georgia Department of Transportation. Based on nearby stations, the 1929 flood was the highest since 1925.

FLOOD-FREQUENCY DATA (ft^3/s)
16 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	1,680	1,810
Q_5	2,530	2,880
Q_{10}	3,150	3,700
Q_{25}	4,010	4,820
Q_{50}	4,680	5,750
Q_{100}	5,400	6,760

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.228
Standard deviation	0.209
Station skew	0.734
Regional or weighted skew	0.112

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1929	Mar.	15.4	a5,000	1956	Feb. 8	9.93	1,100	1961	Apr. 15	11.0	1,390
1951	Mar. 31	10.5	1,260	1957	May 16	10.2	1,180	1962	Apr. 1	10.61	1,280
1952	Mar. 24	10.2	1,180	1958	Mar. 10	13.0	2,300	1963	July 9	12.69	2,100
1953	Sept.30	12.9	2,230	1959	Mar. 9	12.2	1,840	1964	Feb. 20	14.1	3,140
1954	Jan. 1	9.99	1,130	1960	Apr. 6	16.2	a5,500	1965	Feb. 18	14.9	3,900
1955	Sept.15	8.71	860								

02216610 TILLMAN MILL CREEK NEAR LUMBER CITY, GA.

LOCATION.--Lat 31°58'53", long 82°38'32", Wheeler County, at culvert on State Highway 19, 4.8 mi northeast of Lumber City.

DRAINAGE AREA.--2.71 mi^2.

GAGE.--Prior to Mar. 19, 1969, flood-stage recorder; Mar. 19, 1968, to Sept. 10, 1970, flood-stage, rainfall recorder; water-stage, rainfall recorder thereafter. Prior to Oct. 1, 1974, at datum 2.0 ft lower.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 430 ft^3/s and extended above, on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	255	242
Q_5	504	468
Q_{10}	709	649
Q_{25}	1,010	911
Q_{50}	1,260	1,140
Q_{100}	1,530	1,390

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	2.394
Standard deviation	0.363
Station skew	-
Regional or weighted skew	-0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1966	May 23	7.59	1,070	1969	May 19	2.76	179	1972	July 17	2.88	197
1967	Jan. 2	1.87	65	1970	Mar. 21	4.05	388	1973	Apr. 7	4.27	426
1968	July 10	1.79	56	1971	Aug. 29	7.05	960	1974	Feb. 16	1.96	77

02217000 ALLEN CREEK AT TALMO, GA.

LOCATION.--Lat 34°11'34", long 83°43'11", Jackson County, 400 ft upstream from bridge on State Highway 11, 0.5 mi north of Talmo, and 5 mi upstream from confluence with Pond Fork.

DRAINAGE AREA.--17.3 mi^2.

GAGE.--Water-stage recorder prior to Oct. 1, 1971; crest-stage gage thereafter. Datum of gage is 784.42 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,300 ft^3/s and extended above on basis of contracted-opening measurements at 3,320 and 4,300 ft^3/s. Bankfull stage and discharge, 11 ft and 3,000 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
23 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	1,270	1,250
Q_5	2,180	2,110
Q_{10}	2,870	2,750
Q_{25}	3,840	3,630
Q_{50}	4,620	4,360
Q_{100}	5,440	5,070

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.098
Standard deviation	0.203
Station skew	0.170
Regional or weighted skew	-0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1952	Mar. 10	11.5	2,330	1960	Feb. 5	4.6	536	1968	Mar. 12	3.89	645
1953	July 4	6.2	744	1961	Feb. 21	12.6	3,320	1969	Aug. 22	10.76	2,810
1954	Jan. 16	8.3	1,140	1962	Dec. 12	9.34	1,410	1970	Mar. 19	3.84	552
1955	Feb. 6	8.0	1,070	1963	Apr. 30	10.1	1,680	1971	Mar. 3	4.33	682
1956	Mar. 16	7.5	880	1964	Mar. 26	11.42	2,270	1972	Jan. 10	7.46	1,520
1957	Apr. 5	4.2	472	1965	Apr. 25	9.11	1,340	1973	Mar. 16	8.67	1,980
1958	July 6	6.5	780	1966	Mar. 4	12.03	2,760	1974	Dec. 31	7.42	1,510
1959	July 11	4.7	552	1967	June 4	13.30	4,300				

02217200 MIDDLE OCONEE RIVER NEAR JEFFERSON, GA.

LOCATION.--Lat 34°05'46", long 83°36'23", Jackson County, at State Highway 11, 2.2 mi southwest of Jefferson.

DRAINAGE AREA.--128 mi^2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 7,400 ft^3/s. Bankfull stage and discharge, 7 ft and 1,500 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 4,500	4,330
Q_5 = 6,930	6,650
Q_{10} = 8,640	8,370
Q_{25} = 10,900	10,600
Q_{50} = 12,600	12,400
Q_{100} = 14,400	14,100

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.650
Standard deviation	= 0.226
Station skew	= -0.786
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Oct. 22	8.25	3,500	1956	Mar. 16	10.1	5,280	1961	Feb. 25	13.9	9,000
1952	Mar. 24	11.8	6,640	1957	Apr. 6	8.29	3,600	1962	Dec. 13	12.00	7,000
1953	Jan. 10	8.22	3,500	1958	Apr. 15	7.38	2,580	1963	June 27	12.88	7,100
1954	Jan. 19	10.9	5,920	1959	May 30	6.93	1,360	1964	Apr. 9	12.74	7,800
1955	Feb. 7	9.70	4,930	1960	Jan. 31	7.25	2,370	1965	Dec. 25	8.94	4,260

02217250 BUFFALO CREEK TRIBUTARY NEAR JEFFERSON, GA.

LOCATION.--Lat 34°05'00", long 83°38'01", Jackson County, at culvert on State Highway 11, 4 mi southwest of Jefferson.

DRAINAGE AREA.--0.39 mi^2.

GAGE.--Flood-stage recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 4 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 98	99
Q_5 = 168	171
Q_{10} = 221	226
Q_{25} = 295	304
Q_{50} = 355	366
Q_{100} = 419	433

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 1.986
Standard deviation	= 0.282
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 25	4.53	169	1968	Mar. 12	3.04	84	1972	Jan. 10	2.97	80
1965	- -		d38	1969	Aug. 22	3.64	115	1973	May 28	3.99	136
1966	Mar. 4	3.13	88	1970	Mar. 19	1.64	d23	1974	Dec. 31	3.43	104
1967	June 4	5.30	222	1971	July 6	5.33	224				

02217400 MULBERRY RIVER TRIBUTARY NEAR WINDER, GA.

LOCATION.--Lat 34°03'53", long 83°39'45", Jackson County, at culvert on State Highway 11, 6 mi northeast of Winder.

DRAINAGE AREA.--2.68 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 30 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 515	495
Q_5 = 793	763
Q_{10} = 989	954
Q_{25} = 1,250	1,210
Q_{50} = 1,450	1,420
Q_{100} = 1,660	1,630

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.707
Standard deviation	= 0.227
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	July 14	3.38	518	1969	Apr. 18	3.90	656	1972	Jan. 10	2.98	407
1966	Mar. 4	3.52	556	1970	Mar. 19	2.58	303	1973	Mar. 31	2.57	300
1967	June 4	4.27	748	1971	Mar. 3	3.02	417	1974	Dec. 31	2.77	352
1968	Mar. 12	3.08	433								

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA.

LOCATION.--Lat 33°56'48", long 83°25'22", Clarke County, on left bank 0.5 mi upstream from U. S. Highway 29, 2 mi east of Athens, and 5 mi upstream from Barber Creek.

DRAINAGE AREA.--398 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 555.56 ft above mean sea level. Oct. 11, 1901 to Oct. 25, 1902, nonrecording gage at site 1 mi upstream at different datum. Jan. 16, 1929 to Mar. 15, 1932, and Apr. 29, 1937 to Sept. 30, 1940, water-stage recorder at site 4 mi downstream at different datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 11,000 ft^3/s at present site. Defined by current-meter measurements throughout range at former sites. Bankfull stage and discharge at present site, 12 ft and 5,200 ft^3/s.

HISTORICAL DATA.--Flood of 1902 is thought to be highest since that time, based on information from local residents.

REMARKS.--Records for 1929-31 from Corps of Engineers.

FLOOD-FREQUENCY DATA (ft^3/s)
40 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 7,200	7,190
Q_5 = 10,500	10,600
Q_{10} = 12,600	13,000
Q_{25} = 14,900	15,600
Q_{50} = 16,500	17,700
Q_{100} = 17,900	21,100

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.838
Standard deviation	= 0.216
Station skew	= -0.770
Regional or weighted skew	= -0.538

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1902	Feb. 28	[1]25.5	a19,600	1949	Nov. 30	19.6	14,200	1962	Dec. 14	14.80	8,570
1929	Mar. 5	23.6	11,800	1950	June 1	2.98	1,500	1963	June 28	17.98	11,900
1930	Oct. 2	21.3	9,500	1951	Oct. 22	7.6	3,410	1964	Apr. 8	18.54	12,600
1938	July 26	19.6	5,160	1952	Dec. 23	15.4	9,110	1965	Dec. 27	11.25	5,080
1939	Aug. 19	23.0	8,420	1953	Jan. 11	10.9	5,520	1966	Mar. 5	17.95	10,200
1940	Aug. 14	20.3	5,930	1954	Jan. 18	14.0	7,870	1967	June 6	17.25	9,550
1941	July 6	6.8	3,000	1955	Feb. 8	11.0	5,600	1968	Mar. 14	11.85	5,010
1942	Mar. 23	13.8	8,000	1956	Mar. 18	12.7	6,840	1969	Jan. 21	20.54	13,000
1943	Apr. 20	14.7	8,900	1957	Apr. 7	9.1	4,280	1970	Mar. 21	12.33	5,330
1944	Mar. 31	11.1	5,680	1958	Apr. 17	5.4	2,560	1971	Mar. 4	14.97	7,380
1945	Apr. 25	10.0	4,880	1959	May 31	11.7	6,120	1972	Jan. 12	18.96	11,300
1946	Jan. 7	14.8	8,400	1960	Jan. 31	8.2	3,800	1973	Mar. 18	15.10	7,490
1947	Jan. 21	14.0	7,800	1961	Feb. 26	18.2	12,200	1974	Jan. 2	17.48	9,780
1948	Feb. 10	10.5	5,230								

[1] Maximum observed.

02217660 LITTLE CURRY CREEK NEAR JEFFERSON, GA.

LOCATION.--Lat 34°08'25", long 83°32'09", Jackson County, at culvert on State Highway 15, 2.8 mi northeast of Jefferson.

DRAINAGE AREA.--0.87 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 134 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 180	180
Q_5 = 342	337
Q_{10} = 474	463
Q_{25} = 668	645
Q_{50} = 831	799
Q_{100} = 1,010	968

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.250
Standard deviation	= 0.335
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 25	3.75	150	1968	Dec. 11	2.44	58	1972	Jan. 10	3.96	172
1965	Mar. 24	2.63	68	1969	Apr. 18	4.53	250	1973	Mar. 16	4.82	299
1966	May 27	5.15	365	1970	Aug. 10	4.14	194	1974	Dec. 31	4.49	244
1967	June 4	3.98	175	1971	July 13	4.87	309				

02217900 NORTH OCONEE RIVER AT ATHENS, GA.

LOCATION.--Lat 33°56'55", long 83°22'04", Clarke County, at Cemetery Bridge in Athens, 0.5 mi below bridge on U.S. Highway 78, and 3 mi downstream from Sandy Creek.

DRAINAGE AREA.--283 mi^2.

GAGE.--Water-stage recorder prior to June 13, 1950; crest-stage gage thereafter. Datum of gage is 577.86 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 12,000 ft^3/s. Bankfull stage and discharge, 15 ft and 3,000 ft^3/s.

REMARKS.--Records for 1929-31 from Corps of Engineers. Peak discharge for 1931 is maximum daily. Peak discharges for 1950-51, 1955, and 1957-60 are estimated. Peak discharge for 1966 increased by dam failure.

FLOOD-FREQUENCY DATA (ft^3/s)
30 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 4,330	4,440
Q_5 = 6,840	7,160
Q_{10} = 8,660	9,290
Q_{25} =11,100	12,100
Q_{50} =13,000	14,300
Q_{100} =15,000	16,500

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.634
Standard deviation	= 0.238
Station skew	= 0.422
Regional or weighted skew	= -0.065

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1929	Mar. 5	23.0	9,000	1953	Jan. 10	12.83	3,250	1963	June 27	26.4	13,600
1930	Oct. 2	22.5	8,600	1954	Jan. 17	12.82	3,250	1964	May 4	20.64	6,580
1931	Nov. 17		1,700	1955	Feb. 9		2,800	1965	Mar. 26	14.83	3,000
1945	Apr. 25	16.8	4,900	1956	Mar. 18	12.44	3,100	1966	May 27	27.40	b15,000
1946	Jan. 6	21.0	7,450	1957	Apr. 7		2,850	1967	June 4	26.40	13,600
1947	Jan. 21	14.9	4,030	1958	Feb. 6		2,550	1968	Mar. 14	15.66	3,430
1948	Feb. 10	13.2	3,390	1959	June 1		4,100	1969	Sept.20	20.90	6,820
1949	Nov. 29	21.5	7,820	1960	Feb. 1		3,100	1970	Mar. 21	13.13	2,160
1950			1,800	1961	Feb. 26	19.21	6,230	1971	Mar. 4	17.76	5,400
1951	Oct. 21		2,300	1962	Feb. 23	14.32	3,770	1972	Jan. 12	17.69	5,350
1952	Mar. 10	16.25	4,600								

02218100 PORTERS CREEK AT WATKINSVILLE, GA.

LOCATION.--Lat 33°50'56", long 83°23'42", Oconee County, at culvert on State Highway 15, 0.9 mi east of Watkinsville.

DRAINAGE AREA.--1.95 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 330 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 319	316
Q_5 = 520	517
Q_{10} = 667	666
Q_{25} = 868	870
Q_{50} = 1,030	1,040
Q_{100} = 1,190	1,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.499
Standard deviation	= 0.256
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	July 18	6.57	866	1968	Dec. 2	3.47	117	1972	Jan. 11	3.79	196
1965	Oct. 5	3.57	140	1969	Sept. 1	5.39	570	1973	Dec. 15	4.37	340
1966	May 21	4.51	376	1970	Mar. 20	3.59	146	1974	Dec. 31	3.83	206
1967	June 4	4.35	336	1971	Sept. 1	6.49	846				

02218450 TOWN CREEK NEAR GREENSBORO, GA.

LOCATION.--Lat 33°38'29", long 83°13'36", Greene County, at State Highway 15, 5 mi northwest of Greensboro.

DRAINAGE AREA.--11.9 mi^2.

GAGE.--Crest-stage gage prior to Nov. 16, 1967; flood-stage recorder Nov. 16, 1967 to Apr. 1, 1968; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1400 ft^3/s.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 768	778
Q_5	= 1,200	1,230
Q_{10}	= 1,510	1,570
Q_{25}	= 1,920	2,020
Q_{50}	= 2,230	2,360
Q_{100}	= 2,560	2,710

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.881
Standard deviation	= 0.234
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 15	8.31	988	1968	Jan. 10	5.50	290	1972	Jan. 11	8.47	1,120
1965	Dec. 25	8.51	1,150	1969	Apr. 18	8.67	1,310	1973	Mar. 31	6.71	442
1966	May 27	8.90	1,600	1970	Mar. 20	6.94	476	1974	Apr. 4	6.69	439
1967	Mar. 10	6.14	361	1971	Mar. 3	8.92	1,630				

02218500 OCONEE RIVER NEAR GREENSBORO, GA.

LOCATION.--Lat 33°34'52", long 83°16'22", Greene County, on right bank 300 ft downstream from bridge on State Highway 12, 1 mi downstream from Town Creek, 5 mi upstream from Apalachee River, 5 mi west of Greensboro, and 12 mi downstream from Barnett Shoals Dam.

DRAINAGE AREA.--1,090 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 409.82 ft above mean sea level, unadjusted. Prior to Nov. 8, 1938, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 20,000 ft^3/s and extended above on basis of area-velocity studies and computation of flow over Barnett Shoals Dam. Bankfull stage and discharge, 10 ft and 4,000 ft^3/s.

HISTORICAL DATA.--Peak discharge of 1908 thought to be the highest since of 1904, based on records for nearby stations.

REMARKS.--Storage in Barnett Shoals Reservoir is insufficient to affect peak discharges. Records for period 1919-32 from Corps of Engineers.

FLOOD-FREQUENCY DATA (ft^3/s)
67 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 12,800	
Q_5	= 20,600	
Q_{10}	= 26,700	
Q_{25}	= 35,400	
Q_{50}	= 42,700	
Q_{100}	= 50,700	

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.114
Standard deviation	= 0.240
Station skew	= 0.361
Regional or weighted skew	= 0.183

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1904	Aug. 10	11.9	6,520	1927	Dec. 15	13.8	7,820	1953	Jan. 13	16.1	8,210
1905	Feb. 14	12.5	6,960	1928	Aug. 16	20.0	14,500	1954	Jan. 20	16.7	8,910
1906	Jan. 24	18.9	13,300	1929	Mar. 6	26.6	29,400	1955	Feb. 10	15.4	7,480
1907	Feb. 5	11.2	5,990	1930	Oct. 3	26.4	28,800	1956	Mar. 19	17.0	9,290
1908	Aug. 26	35.40	a66,800	1931	Nov. 18	12.5	6,800	1957	Apr. 8	15.5	7,580
1909	Mar. 13	18.0	12,000	1932	Jan. 9	15.5	9,500	1958	Feb. 7	14.1	6,330
1910	Mar. 2	18.5	12,700	1936	Apr.		44,000	1959	June 2	19.7	13,300
1911	Apr. 10	10.8	5,690	1938	July 26	20.9	15,200	1960	Feb. 2	16.7	8,910
1912	Mar. 16	27.4	31,800	1939	Aug. 21	18.4	11,000	1961	Feb. 25	21.8	17,200
1913	Mar. 16	24.2	22,700	1940	Aug. 14	19.0	12,200	1962	Dec. 15	18.79	11,900
1914	Dec. 31	12.0	6,180	1941	July 8	12.6	5,260	1963	June 29	24.1	22,400
1915	Oct. 17	19.7	14,200	1942	Mar. 22	22.4	18,100	1964	June 4	22.3	18,200
1916	Dec. 20	19.8	14,300	1943	Jan. 20	23.0	19,200	1965	Oct. 6	16.0	8,100
1917	Mar. 7	19.3	13,800	1944	Mar. 31	18.0	10,700	1966	May 29	22.41	20,100
1918	Jan. 31	14.1	8,260	1945	Apr. 26	20.8	15,200	1967	June 7	19.12	12,800
1919	Dec. 24	20.6	15,100	1946	Jan. 8	23.3	19,800	1968	Jan. 13	15.44	7,840
1920	Dec. 11	30.0	41,100	1947	Jan. 21	20.9	15,300	1969	Jan. 23	21.41	17,800
1921	Feb. 11	20.6	15,400	1948	Feb. 10	19.7	13,300	1970	Mar. 23	18.51	11,900
1922	Feb. 16	21.4	16,400	1949	Nov. 29	28.1	34,100	1971	Mar. 4	23.63	22,000
1923	May 30	20.9	15,400	1950	Mar. 14	9.16	3,610	1972	Jan. 14	20.90	14,400
1924	Sept.28	18.6	13,000	1951	Oct. 22	12.8	5,440	1973	Apr. 2	20.55	15,800
1925	Jan. 19	25.5	26,100	1952	Mar. 25	19.5	13,000	1974	Jan. 4	19.32	13,200
1926	July 29	15.8	9,800								

02219000 APALACHEE RIVER NEAR BOSTWICK, GA.

LOCATION.--Lat 33°47'17", long 83°28'27", Morgan County, 500 ft upstream from Price Mill Bridge, 4.0 mi downstream from High Shoals, 4.0 mi upstream from Jacks Creek, and 4.0 mi northeast of Bostwick.

DRAINAGE AREA.--176 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 565 ft (from Corps of Engineers profile).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 4,200 ft^3/s. Bankfull stage and discharge, 7 ft and 5,500 ft^3/s.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1945	Apr. 25	7.10	5,800	1947	Jan. 20	6.10	4,340	1949	Nov. 28	8.26	7,600
1946	Jan. 6	8.90	8,500	1948	Feb. 9	5.62	3,640				

02219500 APALACHEE RIVER NEAR BUCKHEAD, GA.

LOCATION.--Lat 33°36'31", long 83°20'58", Morgan County, on right bank pier of bridge on State Highway 12, 2 mi downstream from Hard Labor Creek, 3 mi northeast of Buckhead, and 9 mi upstream from mouth.

DRAINAGE AREA.--436 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 424.07 ft above mean sea level. Prior to Dec. 31, 1908, nonrecording gage at same site at different datum. May 13, 1937 to Feb. 1, 1939, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 18,000 ft^3/s. Bankfull stage and discharge, 8 ft and 1,800 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
45 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 8,090	8,050
Q_5 = 13,800	13,600
Q_{10} = 18,200	17,900
Q_{25} = 24,200	23,500
Q_{50} = 29,200	28,300
Q_{100} = 34,500	33,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.904
Standard deviation	= 0.280
Station skew	= -0.065
Regional or weighted skew	= -0.090

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1901	Apr. 3	14.0	6,250	1945	Apr. 26	13,300	21.1	1960	Feb. 1	15.5	6,150
1902	Mar. 1	25.0	23,400	1946	Jan. 7	19,100	24.3	1961	Feb. 26	19.6	11,000
1903	Feb. 8	17.0	9,660	1947	Jan. 21	11,800	20.4	1962	Feb. 23	17.63	8,420
1904	Aug. 10	9.9	3,090	1948	Feb. 10	9,790	18.7	1963	June 28	20.84	12,900
1905	Feb. 14	11.4	4,050	1949	Nov. 29	23,800	26.8	1964	May 3	21.75	14,200
1906	Jan. 23	19.9	13,900	1950	Mar. 15	2,350	9.90	1965	Oct. 6	15.21	5,860
1907	Feb. 6	10.9	3,700	1951	Oct. 21	4,480	13.6	1966	May 28	21.59	13,500
1908	Aug. 25	27.5	28,900	1952	Mar. 5	11,300	19.8	1967	Mar. 11	12.41	3,640
1938	Apr. 2	19.0	10,200	1953	Jan. 11	4,330	13.4	1968	Mar. 14	13.40	4,330
1939	Mar. 1	16.1	6,600	1954	Dec. 14	3,630	12.4	1969	Jan. 21	18.42	9,430
1940	Feb. 19	15.6	5,920	1955	Feb. 8	3,390	12.0	1970	Mar. 21	18.48	8,850
1941	Mar. 25	9.2	2,080	1956	Sept.26	7,780	17.1	1971	Mar. 4	24.07	18,300
1942	Mar. 22	23.7	17,800	1957	Apr. 7	5,760	15.1	1972	Jan. 11	21.22	12,900
1943	Jan. 19	23.8	18,000	1958	Feb. 8	4,720	13.9	1973	Dec. 16	12.05	9,310
1944	Mar. 30	18.3	9,270	1959	June 2	6,650	16.0	1974	Jan. 2	14.38	4,770

02220550 WHITTEN CREEK NEAR SPARTA, GA.

LOCATION.--Lat 33°23'13", long 83°01'29", Hancock County, in right bank 100 ft upstream from bridge on State Highway 15, 5 mi upstream from mouth, and 8.5 mi northwest of Sparta.

DRAINAGE AREA.--15 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 395 ft, from topographic map. Prior to Aug. 17 1963, water-stage recorder site 100 ft downstream at same datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,700 ft^3/s. Bankfull stage and discharge, 12 ft and 1,200 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
14 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 1,520	1,410
Q_5	= 2,380	2,170
Q_{10}	= 2,980	2,690
Q_{25}	= 3,780	3,400
Q_{50}	= 4,400	4,000
Q_{100}	= 5,040	4,570

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.180
Standard deviation	= 0.232
Station skew	= 0.192
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1961	Feb. 24	16.00	3,770	1966	Feb. 13	11.66	1,000	1971	Mar. 2	14.63	2,320
1962	Jan. 6	12.93	1,110	1967	Mar. 10	15.85	2,900	1972	Jan. 13	12.12	1,240
1963	May 29	13.70	1,500	1968	July 17	11.04	850	1973	Feb. 2	14.07	2,060
1964	May 2	14.50	2,000	1969	Aug. 23	10.13	645	1974	Apr. 5	10.95	941
1965	Dec. 26	15.80	2,790	1970	Mar. 21	11.82	1,050				

02221000 MURDER CREEK NEAR MONTICELLO, GA.

LOCATION.--Lat 33°24'56", long 83°39'43", Jasper County, 350 ft upstream from bridge on State Highway 229, and 8 mi north of Monticello.

DRAINAGE AREA.--24 mi^2.

GAGE.--Water-stage recorder prior to Oct. 1, 1971; crest-stage gage thereafter. Datum of gage is 498.21 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,100 ft^3/s and extended above on basis of slope-area measurements at 2,510 and 3,050 ft^3/s. Bankfull stage and discharge, 8 ft and 2,400 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
23 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 1,200	1,210
Q_5	= 1,960	2,000
Q_{10}	= 2,510	2,600
Q_{25}	= 3,270	3,410
Q_{50}	= 3,870	4,070
Q_{100}	= 4,490	4,730

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.074
Standard deviation	= 0.257
Station skew	= -0.200
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1952	Mar. 4	6.7	1,860	1960	Mar. 30	4.78	972	1968	Mar. 12	3.83	656
1953	May 4	5.4	1,190	1961	Feb. 25	6.95	2,060	1969	Apr. 18	7.14	1,970
1954	Dec. 6	2.90	364	1962	Feb. 22	5.37	1,180	1970	Mar. 20	5.81	1,360
1955	Sept.26	3.04	415	1963	June 23	9.12	3,050	1971	Mar. 3	9.64	3,240
1956	Sept.26	4.79	982	1964	May 3	7.3	2,050	1972	Jan. 10	4.15	758
1957	Dec. 23	5.84	1,330	1965	Dec. 26	4.47	870	1973	Apr. 7	5.80	1,360
1958	Feb. 6	4.68	846	1966	Feb. 13	4.46	857	1974	Jan. 1	6.20	1,540
1959	June 2	7.64	2,510	1967	Dec. 29	3.47	541				

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.

LOCATION.--Lat 33°04'58", long 83°12'51", Baldwin County, at right bank on city of Milledgeville water works intake structure at Milledgeville, 0.5 mi upstream from bridge on State Highway 24, 3.8 mi downstream from Sinclair Dam of Georgia Power Co., and at mile 139.1.

DRAINAGE AREA.--2,950 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 230.84 ft above mean sea level. Non-recording prior to Oct. 4, 1939; recording thereafter. Prior to Sept. 30, 1939, at site 0.5 mi downstream; Oct. 1, 1939 to Mar. 8, 1966, water-stage recorder 0.3 mi downstream, all at present datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 77,000 ft^3/s. Data for Fraleys Ferry gage, 7 mi upstream, was used to define changes in stage-discharge relation during period 1909-23 when no discharge measurements were made at Milledgeville. Bankfull stage and discharge, 16 ft and 11,000 ft^3/s.

HISTORICAL DATA.--Flood stage of 1886 from Georgia Department of Transportation. The flood 1886 from Georgia Department of Transportation. The flood of 1886 is thought to be the highest since that time, based on information from local residents.

REMARKS.--Stage records for 1906-8, 1910-31 from National Weather Service. Peak discharge regulated by Sinclair Reservoir (maximum flood-storage, 214,600 acre-ft) since November 1952. Only the lower peaks are thought to be significantly affected by regulations.

FLOOD-FREQUENCY DATA (ft^3/s)
72 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE
Q_2 = 34,800
Q_5 = 59,500
Q_{10} = 77,600
Q_{25} = 102,000
Q_{50} = 121,000
Q_{100} = 141,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.530
Standard deviation	= 0.287
Station skew	= -0.257
Regional or weighted skew	= -0.232

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1886	- -	46.70	a140,000	1927	Feb. 25	18.3	15,900	1951	Apr. 23	16.7	11,200
1904	Aug. 11	11.6	10,800	1928	Aug. 16	38.7	95,000	1952	Mar. 5	32.9	56,900
1905	Feb. 13	21.0	19,500	1929	Feb. 28	37.0	86,500	1953	May 3	25.5	28,500
1906	Jan. 24	25.4	31,100	1930	Oct. 2	36.9	85,900	1954	Dec. 14	15.4	9,420
1907	Feb. 5	18.0	15,400	1931	May 5	23.5	24,800	1955	Apr. 14	14.9	8,780
1908	Aug. 27	33.2	67,800	1932	Jan. 9	25.2	31,100	1956	Mar. 17	24.8	26,500
1909	Mar. 13	26.6	36,900	1933	Dec. 31	20.0	17,000	1957	May 30	22.9	21,900
1910	Mar. 3	20.8	19,000	1934	Mar. 5	26.0	34,200	1958	Feb. 7	26.7	32,100
1911	Oct. 8	12.0	8,710	1935	Mar. 13	21.0	18,800	1959	June 3	25.7	29,100
1912	Mar. 17	33.8	70,700	1936	Apr. 10	36.8	85,400	1960	Jan. 31	29.0	40,000
1913	Mar. 16	33.0	66,800	1937	Apr. 30	29.3	48,900	1961	Feb. 25	42.9	122,000
1914	Apr. 15	12.1	8,840	1938	Apr. 2	26.2	34,400	1962	Mar. 12	27.10	33,400
1915	Oct. 17	25.5	32,300	1939	Mar. 1	27.6	40,600	1963	Jan. 21	29.90	43,500
1916	Feb. 3	20.4	18,500	1940	Aug. 14	24.4	27,400	1964	May 3	33.00	57,400
1917	Apr. 6	25.4	31,900	1941	Mar. 28	17.6	12,500	1965	Dec. 26	31.40	49,900
1918	Feb. 1	17.2	14,600	1942	Mar. 22	32.6	55,600	1966	Mar. 4	27.34	34,200
1919	Feb. 26	27.0	38,700	1943	Mar. 22	29.2	43,300	1967	June 9	20.39	17,100
1920	Dec. 12	31.4	59,100	1944	Mar. 21	33.4	58,500	1968	Jan. 13	20.43	17,100
1921	Feb. 11	27.2	39,200	1945	Apr. 27	26.0	32,600	1969	Apr. 19	29.00	39,500
1922	Mar. 7	32.0	62,000	1946	Jan. 10	26.5	33,600	1970	Mar. 22	34.30	59,200
1923	May 6	29.0	47,600	1947	Mar. 8	28.8	41,900	1971	Mar. 3	39.95	81,800
1924	Sept.26	31.5	59,600	1948	Feb. 13	26.7	32,100	1972	Jan. 14	31.64	48,600
1925	Jan. 19	36.7	84,900	1949	Nov. 30	37.3	80,800	1973	Apr. 8	29.78	41,800
1926	Apr. 1	22.8	23,300	1950	Oct. 8	17.4	12,200	1974	Apr. 6	27.46	34,900

02223200 COMMISSIONER CREEK AT TOOMSBORO, GA.

LOCATION.--Lat 32°49'53", long 83°04'43", Wilkinson County, at State Highway 112, at Toomsboro.

DRAINAGE AREA.--191 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 201.70 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 5,600 ft^3/s and extended above, based on slope-conveyance studies. Bankfull stage and discharge, 15 ft and 600 ft^3/s.

HISTORICAL DATA.--The flood stages of 1928 and 1948 was based on information furnished by local residents. The flood of 1928 was the highest in the memory of local residents in 1949, and is thought to be the highest since 1886.

REMARKS.--Peak discharge for 1928 is estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
27 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 2,550	2,590
Q_5 = 4,720	4,730
Q_{10} = 6,420	6,400
Q_{25} = 8,800	8,610
Q_{50} = 10,700	10,500
Q_{100} = 12,700	12,300

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.393
Standard deviation	= 0.331
Station skew	= -0.238
Regional or weighted skew	= -0.232

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1928	- -	22.50	a15,000	1957	May 25	2,310	16.6	1966	Mar. 4	17.64	3,930
1949	Nov.	19.5	7,510	1958	Mar. 8	1,700	16.2	1967	Jan. 3	15.86	1,420
1950	Mar. 7	14.5	495	1959	Mar.	1,120	15.5	1968	Mar. 13	14.99	642
1951	Nov. 20	15.1	807	1960	Apr. 4	2,910	17.0	1969	Aug. 5	15.75	1,360
1952	Mar. 6	17.5	3,710	1961	Feb. 25	6,410	19.0	1970	Mar. 21	17.24	3,000
1953	Mar. 1	18.0	4,510	1962	Feb. 22	5,840	18.66	1971	Mar. 4	17.39	3,530
1954	Jan. 23	15.7	1,270	1963	May	3,550	17.4	1972	Jan. 14	16.94	2,610
1955	Apr. 15	15.6	1,190	1964	Apr. 6	8,170	19.8	1973	Apr. 8	17.54	3,510
1956	Mar. 16	16.1	1,600	1965	Dec. 26	4,350	17.9	1974	Feb. 17	17.06	2,790

02223300 BIG SANDY CREEK NEAR JEFFERSONVILLE, GA.

LOCATION.--Lat 32°48'15", long 83°25'04", Twiggs County, on downstream side of county highway bridge, 2.9 mi upstream from Myricks Mill, and 9 mi northwest of Jeffersonville.

DRAINAGE AREA.--31 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 330 ft above mean sea level (from topographc map).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,800 ft^3/s. Bankfull stage and discharge, 4 ft and 150 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
12 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 361	374
Q_5 = 710	714
Q_{10} = 944	943
Q_{25} =1,410	1,320
Q_{50} =1,750	1,620
Q_{100} =2,130	1,960

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.546
Standard deviation	= 0.359
Station skew	= 0.465
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1959	Feb. 4	3.87	158	1963	May 1	4.33	296	1967	Dec. 31	3.63	104
1960	Feb. 14	4.78	532	1964	Apr. 8	6.69	1,890	1968	Dec. 15	3.91	147
1961	Apr. 16	4.70	484	1965	June 16	4.39	282	1969	Aug. 4	4.25	183
1962	Jan. 6	5.30	874	1966	Mar. 4	4.99	450	1970	Mar. 31	4.97	505

02223500 OCONEE RIVER AT DUBLIN, GA.

LOCATION.--Lat 32°32'40", long 82°53'41", Laurens County, near left bank on downstream end of pier of bridge on U.S. Highway 80 at Dublin, and at mile 74.3.

DRAINAGE AREA.--4,400 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 149.08 ft above mean sea level. Prior to Apr. 14, 1932, nonrecording gage and Apr. 15, 1932 to June 17, 1934, water-stage recorder at site 420 ft downstream at datum 3.0 ft higher, Oct. 1, 1933 to July 17, 1934 corrected to present datum. July 18, 1934 to Apr. 14, 1936, water-stage recorder, Apr. 15, 1936 to Oct. 12, 1938, nonrecording gage, and Oct. 13, 1938 to Jan. 20, 1953, water-stage recorder at site 80 ft upstream at present datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 96,000 ft^3/s. Bankfull stage and discharge, 20 ft and 20,000 ft^3/s.

REMARKS.--Stage records for 1894-97 from National Weather Service. Regulation by storage in Sinclair Reservoir (maximum flood-control storage, 214,600 acre-ft) since November 1952 does not materially affect peak discharges.

FLOOD-FREQUENCY DATA (ft^3/s)
81 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE

Q_2	= 33,000
Q_5	= 53,400
Q_{10}	= 67,600
Q_{25}	= 85,700
Q_{50}	= 99,300
Q_{100}	= 113,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.505
Standard deviation	= 0.261
Station skew	= -0.347
Regional or weighted skew	= -0.292

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1894	Feb. 19	14.9	20,500	1921	Feb. 14	20.7	37,800	1948	Feb. 16	24.4	39,000
1895	Mar. 19	23.4	49,700	1922	Mar. 10	24.3	54,500	1949	Dec. 3	30.1	71,200
1896	Feb. 10	17.0	25,900	1923	Mar. 23	21.0	38,900	1950	Mar. 12	13.1	10,900
1897	Mar. 17	22.7	46,200	1924	Sept.30	23.2	49,200	1951	Apr. 27	11.4	8,840
1898	Sept. 5	24.6	56,200	1925	Jan. 21	29.8	94,900	1952	Mar. 9	26.2	47,800
1899	Feb. 10	22.5	45,300	1926	Apr. 5	16.4	24,300	1953	May 8	23.2	33,900
1900	Feb. 17	24.9	57,900	1927	July 29	11.4	14,100	1954	Dec. 18	14.1	12,100
1901	Apr. 6	22.6	45,800	1928	Aug. 19	27.9	79,000	1955	Apr. 18	13.9	11,800
1902	Mar. 5	25.8	63,600	1929	Mar. 7	29.5	92,300	1956	Mar. 22	18.1	19,000
1903	Feb. 12	24.0	52,800	1930	Oct. 5	27.6	76,600	1957	Mar. 31	14.6	13,000
1904	Feb. 14	9.9	11,500	1931	May 9	16.1	23,500	1958	Feb. 13	18.2	19,200
1905	Feb. 16	19.5	33,600	1932	Jan. 12	18.8	31,200	1959	June 8	19.5	22,600
1906	Jan. 28	19.2	32,600	1933	Feb. 24	15.0	20,700	1960	Apr. 5	22.7	32,000
1907	Feb. 10	13.5	18,000	1934	Mar. 9	19.1	23,500	1961	Feb. 28	28.4	60,400
1908	Aug. 30	23.2	48,600	1935	Mar. 19	14.7	15,100	1962	Mar. 15	23.1	33,500
1909	Mar. 16	23.3	49,200	1936	Apr. 12	33.0	96,700	1963	July 3	23.1	31,500
1910	Mar. 6	15.6	20,800	1937	May 4	23.2	35,200	1964	Apr. 11	27.8	49,800
1911	Apr. 17	8.2	10,200	1938	Apr. 11	24.1	38,700	1965	Dec. 30	25.2	36,600
1912	Mar. 20	25.2	59,800	1939	Mar. 4	26.2	48,500	1966	Mar. 8	26.17	41,200
1913	Mar. 18	26.5	68,400	1940	Aug. 19	18.0	18,800	1967	Jan. 5	14.34	12,100
1914	Mar. 3	8.9	10,500	1941	Apr. 1	12.5	10,100	1968	Jan. 18	15.06	13,100
1915	Jan. 23	17.7	27,900	1942	Mar. 26	27.0	52,100	1969	Apr. 24	21.12	23,300
1916	July 28	16.5	24,600	1943	Mar. 25	25.2	42,800	1970	Mar. 25	24.84	35,000
1917	Mar. 31	18.8	31,300	1944	Mar. 26	28.6	61,600	1971	Mar. 6	30.21	70,100
1918	Feb. 6	13.3	17,300	1945	May 1	20.7	25,400	1972	Jan. 17	26.29	41,800
1919	Feb. 28	23.0	47,600	1946	Jan. 13	22.0	29,500	1973	Apr. 11	23.72	30,800
1920	Dec. 15	24.0	52,800	1947	Mar. 11	25.2	42,800	1974	Feb. 20	21.97	26,400

02223700 INDIAN BRANCH TRIBUTARY NEAR SCOTT, GA.

LOCATION.--Lat 32°33'22", long 82°44'33", Laurens County, at culvert on U.S. Highway 80, 4.8 mi west of Scott.

DRAINAGE AREA.--2.13 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 104 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data. Peak discharge for 1974 is estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 136	138
Q_5	= 237	240
Q_{10}	= 314	317
Q_{25}	= 418	421
Q_{50}	= 501	504
Q_{100}	= 587	590

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.124
Standard deviation	= 0.296
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 23	1.99	107	1968	- -		d49	1971	Mar. 26	1.44	51
1966	Mar. 3	2.59	198	1969	Aug. 3	2.39	166	1972	Dec. 3	1.49	55
1967	Jan. 1	1.84	90	1970	Mar. 20	2.49	181	1974	Feb. 8	1.74	70

02224000 ROCKY CREEK NEAR DUDLEY, GA.

LOCATION.--Lat 32°29'38", long 83°08'49", Laurens County, on downstream side of highway bridge, 3.2 mi upstream from Buckhorn Branch, and 5 mi southwest of Dudley.

DRAINAGE AREA.--62.9 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 262 ft, by barometer.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,700 ft^3/s and extended above on basis of contracted-opening measurement at 9,270 ft^3/s. Bankfull stage and discharge, 8 ft and 1,500 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
23 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 1,280	1,250
Q_5	= 2,520	2,400
Q_{10}	= 3,540	3,290
Q_{25}	= 5,050	4,550
Q_{50}	= 6,300	5,660
Q_{100}	= 7,650	6,860

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.094
Standard deviation	= 0.363
Station skew	= 0.131
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1952	Mar. 24	5.8	692	1960	Apr. 5	10.0	2,930	1968	July 11	3.76	185
1953	May 7	9.4	2,390	1961	Apr. 16	7.1	1,080	1969	Aug. 23	4.78	446
1954	Dec. 14	5.7	668	1962	Feb. 20	7.8	1,350	1970	Mar. 31	10.55	4,070
1955	Apr. 15	7.8	1,350	1963	Feb. 12	6.33	829	1971	Mar. 26	6.67	948
1956	Mar. 17	4.80	474	1964	May 3	8.5	1,410	1972	Jan. 14	9.22	2,620
1957	Apr. 6	8.2	1,540	1965	Feb. 18	7.8	1,150	1973	Feb. 2	8.83	1,880
1958	Mar. 9	8.1	1,540	1966	Mar. 3	13.49	9,270	1974	Feb. 9	5.40	570
1959	Mar. 6	9.4	2,390	1967	Feb. 7	5.96	758				

02224200 MERCER CREEK NEAR SOPERTON, GA.

LOCATION.--Lat 32°26'38", long 82°41'30", Treutlen County, at State Highway 29, 7.2 mi northwest of Soperton.

DRAINAGE AREA.--16.1 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 590 ft^3/s and extended above on basis of contracted-opening measurement at 1,210 ft^3/s.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 628	608
Q_5 = 1,040	1,010
Q_{10} = 1,340	1,300
Q_{25} = 1,750	1,700
Q_{50} = 2,060	2,020
Q_{100} = 2,380	2,340

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.789
Standard deviation	= 0.270
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Feb. 17	3.98	753	1969	May 19	3.20	480	1972	Feb. 2	3.53	596
1966	Mar. 4	5.48	1,210	1970	Mar. 21	3.74	669	1973	Feb. 2	5.48	1,210
1967	Jan. 2	4.23	829	1971	Mar. 3	3.43	560	1974	Feb. 8	3.03	412
1968	July 4	2.38	148								

02224400 CYPRESS CREEK NEAR TARRYTOWN, GA.

LOCATION.--Lat 32°16'49", long 82°35'45", Montgomery County, at U.S. Highway 221, 3.2 mi southwest of Tarrytown.

DRAINAGE AREA.--6.77 mi^2.

GAGE.--Crest-stage gage prior to Mar. 19, 1968; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 210 ft^3/s and extended above on basis of contracted-opening measurement at 2,220 ft^3/s.

REMARKS.--Flood-frequency figures are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 299	299
Q_5 = 596	568
Q_{10} = 841	772
Q_{25} = 1,200	1,050
Q_{50} = 1,500	1,300
Q_{100} = 1,830	1,550

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.463
Standard deviation	= 0.367
Station skew	= 1.621
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Feb. 17	3.66	295	1969	Mar. 18	2.58	105	1972	Dec. 20	3.23	193
1966	Mar. 4	5.66	2,220	1970	Mar. 21	3.47	245	1973	Apr. 1	4.28	544
1967	Jan. 1	3.66	295	1971	Mar. 3	3.58	273	1974	Feb. 8	3.38	224
1968	July 11	2.83	134								

02224500 OCONEE RIVER NEAR MOUNT VERNON, GA.

LOCATION.--Lat 32°11'28", long 82°38'00", Montgomery County, at U.S. Highway 280, 2 mi west of Mount Vernon, and at mile 28.7.

DRAINAGE AREA.--5,110 mi^2, approximately.

GAGE.--Water-stage recorder prior to Jan. 5, 1956; crest-stage gage thereafter. Datum of gage is 103.34 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 62,000 ft^3/s. Bankfull stage and discharge, 14 ft and 14,000 ft^3/s.

HISTORICAL DATA.--Flood stage for 1936, based on information furnished by Georgia Department of Transportation is probably the highest peak since at least 1930.

REMARKS.--Stage records for 1956-74 from National Weather Service. Regulation by storage in Sinclair Reservoir (maximum flood-control storage, 214,000 acre-ft) since November 1952 does not materially affect peak discharge . Flood-frequency figures given are based on available station record extended to the period 1894-1974 by correlation with discharges at station on Oconee River at Dublin.

FLOOD-FREQUENCY DATA (ft^3/s)
38 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE

Q_2	= 34,800
Q_5	= 54,500
Q_{10}	= 67,700
Q_{25}	= 84,400
Q_{50}	= 96,400
Q_{100}	=108,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.478
Standard deviation	= 0.255
Station skew	= -0.505
Regional or weighted skew	= -0.237

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1936	Apr.	25.50	a96,000	1950	Mar. 14	12.9	11,100	1963	July 6	18.2	31,900
1938	Apr. 13	19.0	38,500	1951	Apr. 29	11.1	7,950	1964	Apr. 14	20.8	50,400
1939	Mar. 6	20.4	48,300	1952	Mar. 11	20.0	44,300	1965	Jan. 2	19.5	40,600
1940	Aug. 21	15.9	20,000	1953	May 10	18.7	35,200	1966	Mar. 7	20.3	46,500
1941	July 22	12.6	10,900	1954	Dec. 21	14.0	13,800	1967	Jan. 7	14.6	15,500
1942	May 28	20.7	49,600	1955	Apr. 21	13.3	12,000	1968	Jan. 21	13.50	12,500
1943	Mar. 27	19.1	38,900	1956	Mar. 25	16.1	20,800	1969	Apr. 27	16.85	24,000
1944	Mar. 28	21.8	58,800	1957	Apr. 3	14.0	13,800	1970	Mar. 28	19.15	38,500
1945	May 4	16.9	24,500	1958	Mar. 13	17.2	26,000	1971	Mar. 9	23.00	64,800
1946	Jan. 16	17.8	29,500	1959	June 11	16.2	21,200	1972	Jan. 19	20.20	45,400
1947	Mar. 14	19.4	41,600	1960	Apr. 7	19.8	42,800	1973	Apr. 14	18.42	33,300
1948	Feb. 17	19.1	37,800	1961	Mar. 3	21.8	58,800	1974	Feb. 24	18.1	31,300
1949	Dec. 5	22.6	66,300	1962	Mar. 18	18.5	33,900				

02224650 OCONEE RIVER TRIBUTARY AT GLENWOOD, GA.

LOCATION.--Lat 32°10'08", long 82°40'01", Wheeler County, at culvert on State Highway 19, at Glenwood.

DRAINAGE AREA.--5.16 mi^2.

GAGE.--Flood-stage recorder prior to Nov. 16, 1967; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 308 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures are given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	239	244
Q_5	322	360
Q_{10}	374	443
Q_{25}	437	549
Q_{50}	482	630
Q_{100}	525	708

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	2.372
Standard deviation	0.160
Station skew	0.514
Regional or weighted skew	-0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1966	Feb. 28	5.05	342	1969	Sept. 1	4.22	177	1972	Dec. 20	4.37	200
1967	Sept. 2	4.55	232	1970	May 29	5.43	434	1973	Apr. 1	4.47	215
1968	July 10	4.03	146	1971	Aug. 29	5.07	338	1974	Feb. 8	4.20	174

02224800 OCONEE RIVER TRIBUTARY NO. 2 NEAR GLENWOOD, GA.

LOCATION.--Lat 32°03'16", long 82°39'09", Wheeler County, at culvert on State Highway 19, 9 mi south of Glenwood.

DRAINAGE AREA.--1.22 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 25 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
8 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	67	81
Q_5	112	141
Q_{10}	145	187
Q_{25}	190	249
Q_{50}	225	296
Q_{100}	260	342

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	1.816
Standard deviation	0.275
Station skew	0.339
Regional or weighted skew	-0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1967	July 10	2.35	52	1970	Mar. 22	2.50	61	1973	Apr. 7	2.73	76
1968	Aug. 1	1.80	25	1971	Aug. 29	3.20	114	1974	July	3.90	198
1969	May 19	2.55	64	1972	Dec. 20	2.10	39				

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA.

LOCATION.--Lat 31°56'20", long 82°21'25", Appling County, on right bank 400 ft downstream from bridge on U.S. Highway 1, 2.2 mi upstream from Bay Creek, 8 mi downstream from Bullards Creek, and 12 mi north of Baxley.

DRAINAGE AREA.--11,600 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 61.51 ft above mean sea level. Aug. 13, 1949, to June 30, 1951, nonrecording gage at site 400 ft upstream at same datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 96,000 ft^3/s and extended above on basis of slope-conveyance studies. Bankfull stage and discharge, 13 ft and 22,000 ft^3/s.

HISTORICAL DATA.--Flood stage of 1925 based on information furnished by the Georgia Department of Transportation. Based on studies at the gaging station downstream on Altamaha River at Doctortown, this is thought to be the highest flood since 1800. Minor regulation of lower peak discharge from storage in Lloyd Shoals Reservoir (maximum flood-control storage, 68,000 acre-ft) since 1910 and from Sinclair Reservoir (maximum flood-control storage, 214,600 acre-ft) since 1952.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 51,000	
Q_5 = 82,000	
Q_{10} = 106,000	
Q_{25} = 139,000	
Q_{50} = 168,000	
Q_{100} = 197,000	

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.697
Standard deviation	= 0.259
Station skew	= -0.332
Regional or weighted skew	= -0.332

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1925	Jan.	30.00	a230,000	1951	Apr. 2	12.80	21,100	1973	Apr. 14	18.67	53,800
1949	Dec. 10	25.10	a130,000	1971	Mar. 12	22.70	97,500	1974	Feb. 26	17.70	46,500
1950	Mar. 21	12.90	21,400	1972	Jan. 23	20.18	67,800				

02225100 COBB CREEK NEAR LYONS, GA.

LOCATION.--Lat 32°02'06", long 82°22'47", Toombs County, at State Highway 56, 1.8 mi northeast of Cedar Crossing, and 13 mi northeast of Lyons.

DRAINAGE AREA.--69 mi^2, approximately.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,470 ft^3/s. Bankfull stage and discharge, 4.5 ft and 600 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 784	849
Q_5 = 1,260	1,420
Q_{10} = 1,590	1,840
Q_{25} = 2,030	2,390
Q_{50} = 2,370	2,850
Q_{100} = 2,710	3,310

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.886
Standard deviation	= 0.251
Station skew	= -0.088
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Oct.	6.26	1,480	1956	Feb. 8	5.78	1,130	1961	Apr. 16	4.59	595
1952	Mar. 24	3.71	340	1957	Oct. 21	4.52	560	1962	Apr. 1	4.12	425
1953	Apr. 6	4.20	455	1958	Oct. 20	5.04	745	1963	June 24	4.33	508
1954	Jan. 1	3.65	320	1959	May 27	5.79	1,130	1964	Feb. 20	6.41	1,400
1955	Sept.14	5.82	1,130	1960	Dec. 20	7.10	1,820	1965	Feb. 18	6.33	1,350

02225150 OHOOPEE RIVER NEAR WRIGHTSVILLE, GA.

LOCATION.--Lat 32°42'50", long 82°45'20", Johnson County, at U.S. Highway 319, 2.5 mi west of Wrightsville.

DRAINAGE AREA.--55 mi^2, approximately.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,100 ft^3/s. Bankfull stage and discharge, 6 ft and 400 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
12 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 1,090	1,070
Q_5 = 1,910	1,870
Q_{10} = 2,530	2,450
Q_{25} = 3,380	3,230
Q_{50} = 4,050	3,910
Q_{100} = 4,760	4,630

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.026
Standard deviation	= 0.299
Station skew	= 0.083
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1963	Feb. 12	7.64	1,020	1967	Feb. 8	5.64	350	1971	Mar. 2	7.50	980
1964	Apr. 6	8.19	1,350	1968	Jan. 11	5.79	386	1972	Jan. 14	7.98	1,270
1965	Feb. 18	7.60	1,000	1969	Aug. 23	6.97	760	1973	Feb. 3	8.86	1,960
1966	Mar. 4	10.26	3,830	1970	Mar. 21	9.11	2,230	1974	Feb. 17	6.86	704

02225180 MULEPEN CREEK NEAR ADRIAN, GA.

LOCATION.--Lat 32°32'58", long 82°31'26", Emanuel County, at U.S. Highway 80, 4.8 mi east of Adrian.

DRAINAGE AREA.--13.8 mi^2.

GAGE.--Crest-stage gage prior to Nov. 16, 1967; Nov. 16, 1967, to Mar. 19, 1968, flood-stage recorder; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 400 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
8 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 403	419
Q_5 = 575	649
Q_{10} = 688	814
Q_{25} = 827	1,030
Q_{50} = 928	1,200
Q_{100} = 1,030	1,370

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.599
Standard deviation	= 0.190
Station skew	= 0.078
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Feb. 18	5.49	703	1968	-	-	d44	1971	July -	4.88	335
1966	Mar. 5	4.96	375	1969	June 5	5.36	612	1972	Jan. 14	4.71	259
1967	Jan. 2	4.90	345	1970	Mar. 21	5.33	591				

02225200 LITTLE OHOOPEE RIVER NEAR WRIGHTSVILLE, GA.

LOCATION.--Lat 32°47'20", long 82°33'02", Johnson County, at U.S. Highway 310, 10 mi northeast of Wrightsville.

DRAINAGE AREA.--63 mi^2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 258.8 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,260 ft^3/s. Bankfull stage and discharge, 5 ft and 300 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 =	1,080	1,080
Q_5 =	1,920	1,920
Q_{10} =	2,570	2,550
Q_{25} =	3,460	3,410
Q_{50} =	4,180	4,140
Q_{100} =	4,930	4,910

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.023
Standard deviation	= 0.307
Station skew	= -0.005
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	June 14	5.27	216	1959	Mar. 6	7.57	1,180	1967	July 8	6.54	606
1952	Mar. 24	7.06	876	1960	Apr. 5	8.44	1,890	1968	Jan. 11	6.02	441
1953	Mar. 1	7.50	1,140	1961	Apr. 16	9.28	3,000	1969	Aug. 23	6.80	725
1954	Jan. 18	5.87	396	1962	Mar. 12	8.82	2,360	1970	Apr. 1	8.98	2,600
1955	Apr. 14	7.66	1,240	1963	Feb. 12	7.10	900	1971	Mar. 2	6.85	750
1956	Feb. 7	6.69	670	1964	Apr. 6	7.50	1,140	1972	Jan. 14	6.41	558
1957	Apr. 6	7.65	1,240	1965	Feb. 18	7.72	1,280	1973	Feb. 3	9.43	3,210
1958	Mar. 10	6.89	775	1966	Mar. 4	9.80	3,880	1974	Feb. 17	7.21	966

02225210 HURRICANE BRANCH NEAR WRIGHTSVILLE, GA.

LOCATION.--Lat 32°47'00", long 82°34'42", Johnson County, at culvert on U.S. Highway 319, 9 mi northeast of Wrightsville.

DRAINAGE AREA.--3.53 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 270 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 =	205	205
Q_5 =	364	362
Q_{10} =	485	480
Q_{25} =	652	642
Q_{50} =	786	775
Q_{100} =	926	913

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.302
Standard deviation	= 0.302
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 24	2.24	126	1969	Aug. 12	2.65	210	1972	Jan. 13	2.70	222
1966	July 14	2.87	271	1970	Mar. 31	2.76	239	1973	Feb. 2	4.28	560
1967	July 9	2.30	136	1971	Apr. 24	2.45	165	1974	-	-	d43
1968	Jan. 10	1.58	45								

02225240 LITTLE OHOOPEE RIVER TRIBUTARY NEAR KITE, GA.

LOCATION.--Lat 32°40'12", long 82°26'45", Emanuel County, at culvert on State Highway 57, 5 mi southeast of Kite.

DRAINAGE AREA.--7.22 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 400 ft^3/s and extended above on basis of culvert computations.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 133	170
Q_5	= 280	348
Q_{10}	= 406	496
Q_{25}	= 597	707
Q_{50}	= 760	881
Q_{100}	= 941	1,070

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.110
Standard deviation	= 0.396
Station skew	= 0.331
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Feb. 17	4.43	231	1969	May 19	3.85	126	1972	Jan. 14	3.84	122
1966	Mar. 5	4.42	229	1970	Mar. 21	4.55	251	1973	Feb. 2	5.82	606
1967	Feb. 7	3.55	70	1971	May 8	3.75	110	1974	Apr. 9	3.42	50
1968	-	-	d38								

02225300 OHOOPEE RIVER NEAR OAK PARK, GA.

LOCATION.--Lat 32°23'29", long 82°18'49", Emanuel County, at U.S. Highway 1, 2.5 mi north of Oak Park.

DRAINAGE AREA.--620 mi^2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 11,000 ft^3/s. Bankfull stage and discharge, 8 ft and 2,400 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 4,580	4,480
Q_5	= 7,810	7,710
Q_{10}	= 10,200	10,000
Q_{25}	= 13,400	13,100
Q_{50}	= 16,000	15,900
Q_{100}	= 18,600	18,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.651
Standard deviation	= 0.284
Station skew	= 0.138
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Apr. 1	7.48	1,970	1956	Apr. 17	7.94	2,300	1961	Apr. 17	11.60	9,900
1952	Mar. 27	9.42	4,260	1957	Apr. 12	8.00	2,400	1962	Mar. 13	11.14	8,400
1953	Sept.29	8.70	3,210	1958	Mar. 10	9.80	4,990	1963	Jan. 20	8.98	3,600
1954	Dec. 15	6.87	1,540	1959	Mar. 8	9.81	4,990	1964	Mar. 4	10.34	6,150
1955	Apr. 15	9.25	3,910	1960	Apr. 6	12.62	14,000	1965	Feb. 19	11.7	10,300

02225330 BEAVER CREEK NEAR COBBTOWN, GA.

LOCATION.--Lat 32°16'52", long 82°11'27", Tattnall County, at culvert on State Highway 152, 3.2 mi west of Cobbtown.

DRAINAGE AREA.--9.58 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 470 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 310	317
Q_5	= 553	563
Q_{10}	= 739	750
Q_{25}	= 996	1,010
Q_{50}	= 1,200	1,210
Q_{100}	= 1,420	1,430

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.481
Standard deviation	= 0.308
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Oct. 15	4.76	305	1969	May 19	4.70	290	1972	Mar. 29	4.58	266
1966	Mar. 3	6.11	826	1970	Mar. 22	4.46	242	1973	Aug. -	5.46	526
1967	Jan. 2	3.81	137	1971	Aug. 17	3.81	137	1974	Feb. 7	4.01	164
1968	Jan. 2	2.14	36								

02225350 PENDLETON CREEK TRIBUTARY NO. 2 NEAR SOPERTON, GA.

LOCATION.--Lat 32°25'35", long 82°29'52", Treutlen County, at culvert on State Highway 86, 6.5 mi northeast of Soperton.

DRAINAGE AREA.--1.68 mi^2.

GAGE.--Flood-stage recorder prior to Aug. 25, 1965; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 86 ft^3/s and extended above on basis of culvert computations.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 105	113
Q_5	= 199	208
Q_{10}	= 274	281
Q_{25}	= 381	381
Q_{50}	= 469	462
Q_{100}	= 563	548

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.001
Standard deviation	= 0.340
Station skew	= -0.118
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Feb. 17	2.29	95	1969	June 4	1.92	53	1972	Feb. 1	2.24	88
1966	Mar. 3	2.99	208	1970	May 28	3.29	259	1973	June 22	3.47	290
1967	Jan. 1	2.12	74	1971	Mar. 2	2.79	174	1974	Feb. 8	1.75	38
1968	-	-	d29								

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA.

LOCATION.—Lat 32°04'42", long 82°10'39", Tattnall County, on downstream side of pier near center of span of bridge on State Highway 56, 0.5 mi downstream from Brazells Creek, 1.5 mi downstream from Rocky Creek, 3.5 mi west of Reidsville, 6 mi downstream from Pendleton Creek, and 14 mi upstream from mouth.

DRAINAGE AREA.—1,110 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 73.8 ft above mean sea level (levels by Georgia Department of Transportation). Prior to Feb. 15, 1941, nonrecording gage at same site, at different datum June 13, 1903, to Dec. 31, 1907, and at same datum May 25, 1937, to Feb. 15, 1941.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 16,000 ft^3/s and extended above on basis of slope-conveyance studies. Bankfull stage and discharge, 11 ft and 3,200 ft^3/s.

HISTORICAL DATA.—Flood stages of 1925, 1928, and 1929 based on information furnished by the Georgia Department of Transportation. The 1925 flood was the highest since at least 1904, based on information furnished by local residents.

FLOOD-FREQUENCY DATA (ft^3/s)
44 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	7,450	-
Q_5	12,500	-
Q_{10}	16,300	-
Q_{25}	21,600	-
Q_{50}	25,800	-
Q_{100}	30,200	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.868
Standard deviation	= 0.271
Station skew	= -0.0357
Regional or weighted skew	= -0.097

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1904	Feb. 12	12.1	4,890	1946	Jan. 23	13.2	4,950	1961	Apr. 19	18.1	11,000
1905	Feb. 17	19.0	14,900	1947	Mar. 13	16.0	7,980	1962	Mar. 17	16.5	8,250
1906	June 20	11.0	4,120	1948	Apr. 4	19.3	13,500	1963	Jan. 28	12.5	3,820
1907	July 5	11.0	4,120	1949	Dec. 4	14.2	5,870	1964	Mar. 6	17.7	10,300
1925	Jan. -	28.40	a47,000	1950	Sept. 8	8.2	1,930	1965	Feb. 20	19.71	14,400
1928	Aug. -	20.6	a16,300	1951	Apr. 2	12.4	4,240	1966	Mar. 6	23.34	24,400
1930	Oct. -	24.0	a26,500	1952	Mar. 30	13.7	5,420	1967	Jan. 7	15.40	6,560
1938	Apr. 13	15.3	6,990	1953	Mar. 1	15.3	7,140	1968	Jan. 19	7.98	1,460
1939	Mar. 3	19.8	15,100	1954	Oct. 1	14.6	6,350	1969	May 22	14.17	5,150
1940	Aug. 16	19.7	14,900	1955	Apr. 20	12.6	4,160	1970	Apr. 4	17.78	10,400
1941	July 20	15.9	7,840	1956	Feb. 9	11.5	3,540	1971	Mar. 6	17.95	10,700
1942	Dec. 29	15.3	7,060	1957	July 30	16.2	8,270	1972	Feb. 5	17.01	9,070
1943	Jan. 24	15.6	7,450	1958	Mar. 12	16.1	7,610	1973	Feb. 7	18.30	11,400
1944	Mar. 27	18.9	12,700	1959	Mar. 7	15.0	6,060	1974	Feb. 23	14.19	5,170
1945	Feb. 27	11.0	3,130	1960	Apr. 8	19.8	14,600				

02225850 BEARDS CREEK NEAR GLENNVILLE, GA.

LOCATION.--Lat 31°55'26", long 81°52'58", Tattnall County, at State Highway 144, 3 mi east of Glennville.

DRAINAGE AREA.--74.4 mi^2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 6,000 ft^3/s. Bankfull stage and discharge, 4 ft and 200 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	1,450	1,370
Q_5	3,210	2,770
Q_{10}	4,790	3,840
Q_{25}	7,230	5,300
Q_{50}	9,370	6,740
Q_{100}	11,800	8,330

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.146
Standard deviation	= 0.424
Station skew	= 1.079
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1966	May 24	7.49	2,570	1969	May 20	10.73	6,700	1972	Feb. 4	5.85	1,140
1967	July 30	5.65	995	1970	May 30	6.30	1,480	1973	Apr. 1	5.72	1,040
1968	-	-	d120	1971	Feb. 12	8.33	3,500	1974	Jan. 4	5.80	1,100

02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA.

LOCATION.--Lat 31°39'16", long 81°49'41", Wayne County, on right bank 60 ft downstream from Seaboard Coast Line Railroad bridge at Doctortown, 4.5 mi northeast of Jesup, and at mile 64.5.

DRAINAGE AREA.--13,600 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 28.48 ft above mean sea level. Prior to Dec. 5, 1934, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 180,000 ft^3/s. Bankfull stage and discharge, 6 ft and 20,000 ft^3/s.

HISTORICAL DATA.--Flood of 1925 exceeded any flood described in old newspaper files, historical writings, and similar sources. This flood is believed to be the highest since 1800.

REMARKS.--Stage records for 1925-31 from National Weather Service. Minor regulation of lower peaks by storage in Lloyd Shoals and Sinclair Reservoirs. (See station 02225000.)

FLOOD-FREQUENCY DATA (ft^3/s)
50 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 56,100	-
Q_5	= 91,600	-
Q_{10}	= 119,000	-
Q_{25}	= 157,000	-
Q_{50}	= 190,000	-
Q_{100}	= 225,000	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.760
Standard deviation	= 0.243
Station skew	= 0.151
Regional or weighted skew	= 0.151

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1925	Jan. 23	14.60	a300,000	1942	Apr. 3	10.0	89,500	1959	Mar. 16	7.9	44,300
1926	Feb. 4	8.4	53,900	1943	Apr. 2	9.3	71,100	1960	Apr. 12	9.9	89,600
1927	Aug. 2	6.6	23,000	1944	Apr. 2	10.5	112,000	1961	Mar. 10	9.6	81,400
1928	Aug. 25	11.0	126,000	1945	May 10	7.3	35,200	1962	Mar. 10	8.4	53,700
1929	Mar. 13	12.3	179,000	1946	Jan. 22	9.0	71,000	1963	Feb. 4	8.4	53,700
1930	Oct. 13	11.2	133,000	1947	Mar. 21	9.0	71,000	1964	Apr. 20	9.9	79,000
1931	May 18	7.1	32,300	1948	Apr. 4	10.0	92,500	1965	Feb. 23	9.3	66,000
1932	Jan. 21	7.4	36,800	1949	Dec. 12	10.8	118,000	1966	Mar. 12	10.84	110,000
1933	Mar. 4	8.1	46,400	1950	Mar. 22	6.3	23,400	1967	Jan. 16	8.44	51,400
1934	Mar. 17	8.1	46,400	1951	Apr. 4	6.8	29,000	1968	Jan. 26	6.61	26,000
1935	Sept.15	6.3	21,600	1952	Mar. 18	9.2	71,400	1969	May 4	7.37	34,700
1936	Apr. 18	12.0	178,000	1953	May 16	9.0	66,700	1970	Apr. 6	10.04	79,000
1937	May 13	8.1	47,800	1954	Dec. 30	7.6	39,600	1971	Mar. 16	10.76	96,200
1938	Apr. 19	9.0	68,000	1955	Apr. 26	6.2	22,400	1972	Jan. 25	9.82	73,700
1939	Mar. 11	10.2	98,000	1956	Apr. 1	7.1	32,700	1973	Feb. 14	9.38	63,600
1940	Mar. 3	7.3	35,300	1957	Apr. 11	7.0	31,400	1974	Feb. 28	8.60	48,600
1941	July -	6.7	27,500	1958	Mar. 15	8.4	53,700				

02226030 DOCTORS CREEK NEAR LUDOWICI, GA.

LOCATION.--Lat 31°44'07", long 81°42'08", Long County, at State Highway 38, 3 mi northeast of Ludowici.

DRAINAGE AREA.--33 mi^2, approximately.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 460 ft^3/s.

REMARKS.--Flood-frequency values not shown because of lack of definition of elevation-discharge relation.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1966	Mar. 15	7.40	558	1969	Mar. 19	5.74	223	1972	June 20	6.87	445
1967	July 30	6.57	384	1970	Mar. 31	10.05	-	1973	Feb. 2	6.76	422
1968	June 7	5.01	105	1971	July 5	5.76	227	1974	Jan. 4	7.26	527

02226100 PENHOLOWAY CREEK NEAR JESUP, GA.

LOCATION.--Lat 31°34'00", long 81°50'18", Wayne County, on downstream side of bridge on U.S. Highway 341, 4 mi southeast of Jesup, and about 9.5 mi upstream from mouth.

DRAINAGE AREA.--210 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 19.09 ft above mean sea level. Since May 6, 1966, auxiliary water-stage recorder at highway bridge, 2.5 mi downstream.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,800 ft^3/s. Bankfull stage and discharge, 9 ft and 900 ft^3/s.

REMARKS.--Peak discharge for 1974 is estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
16 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 2,150	2,160
Q_5	= 3,220	3,380
Q_{10}	= 3,940	4,220
Q_{25}	= 4,850	5,320
Q_{50}	= 5,530	6,230
Q_{100}	= 6,210	7,180

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.326
Standard deviation	= 0.214
Station skew	= -0.511
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1959	Mar. 7	14.00	3,500	1965	Mar. 5	12.30	2,000	1970	Nov. 3	11.57	1,320
1960	Apr. 6	11.74	1,560	1966	July 3	13.96	3,460	1971	Aug. 18	12.53	2,140
1961	Apr. 17	14.80	4,300	1967	Jan. 6	12.41	2,030	1972	Feb. 8	11.02	903
1962	Apr. 3	11.72	1,520	1968	June 9	12.52	2,130	1973	Apr. 5	13.18	2,680
1963	June 28	12.70	2,320	1969	Aug. 15	13.68	3,180	1974	Aug. 17	-	810
1964	Sept.14	14.30	3,800								

02226150 SATILLA RIVER TRIBUTARY NEAR WILLACOOCHEE, GA.

LOCATION.--Lat 31°27'24", long 83°03'02", Coffee County, at culvert on State Highway 149, 8.5 mi north of Willacoochee.

DRAINAGE AREA.--6.38 mi^2.

GAGE.--Flood-stage, rainfall recorder prior to Aug. 21, 1970; water-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 580 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 224	232
Q_5	= 399	412
Q_{10}	= 532	547
Q_{25}	= 717	734
Q_{50}	= 865	883
Q_{100}	= 1,020	1,040

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.340
Standard deviation	= 0.307
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Dec. 4	5.13	595	1969	Aug. 23	3.03	93	1972	Feb. 3	3.42	181
1966	Mar. 5	3.35	178	1970	May 29	5.93	945	1973	Apr. 26	3.82	290
1967	Jan. 1	2.88	75	1971	Aug. 29	4.21	377	1974	Sept. 8	3.20	120
1968	Mar. 12	2.63	48								

02226200 SATILLA RIVER NEAR DOUGLAS, GA.

LOCATION.--Lat 31°24'45", long 82°51'01", Coffee County, at U.S. Highway 441, 6.5 mi south of Douglas.

DRAINAGE AREA.--235 mi^2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 123.16 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 4,300 ft^3/s and extended above on basis of slope-conveyance studies. Bankfull stage and discharge, 6 ft and 1,200 ft^3/s.

HISTORICAL DATA.--Flood stage of 1948, based on information furnished by Georgia Department of Transportation. The 1948 flood was the highest since 1928, based on information from local resident.

REMARKS.--Peak discharge for 1948 is estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 1,870	1,950
Q_5	= 3,650	3,770
Q_{10}	= 5,220	5,270
Q_{25}	= 7,680	7,480
Q_{50}	= 9,910	9,560
Q_{100}	= 12,500	11,900

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.280
Standard deviation	= 0.338
Station skew	= 0.886
Regional or weighted skew	= 0.118

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1948	Apr.	15.40	a15,000	1959	Mar. 9	8.68	3,640	1967	Jan. 4	6.41	1,530
1951	Apr. 1	7.21	2,220	1960	Apr. 5	10.60	6,040	1968	- -		d1,210
1952	Mar. 6	5.35	d830	1961	Apr. 16	9.60	4,680	1969	Mar. 25	6.19	1,350
1953	Sept.29	7.46	2,490	1962	Apr. 1	6.47	1,560	1970	June 1	9.50	4,300
1954	Dec. 17		d495	1963	July 9	6.41	1,520	1971	- -		d1,200
1955	Apr. 16	5.31	d800	1964	Mar. 2	8.81	3,740	1972	Feb. 3	7.09	2,120
1956	Feb. 8	5.81	d1,100	1965	Dec. 5	10.7	6,180	1973	Feb. 3	7.28	2,290
1957	Aug. 9	5.98	d1,220	1966	Mar. 5	7.38	2,380	1974	Feb. 20	5.54	d940
1958	Apr. 11	6.98	2,040								

02226300 SATILLA RIVER NEAR PEARSON, GA.

LOCATION.--Lat 31°20'11", long 82°46'07", Atkinson County, at State Highway 64, 6 mi northeast of Pearson.

DRAINAGE AREA.--355 mi^2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 123.18 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 6,400 ft^3/s and extended above on basis of slope-conveyance studies. Bankfull stage and discharge, 10 ft and 1,200 ft^3/s.

HISTORICAL DATA.--Flood stage of 1948 based on information by Georgia Department of Transporation. The 1948 flood was the highest since 1928, based on information from local residents.

REMARKS.--Peak discharge for 1948 and 1962 is estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
14 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 3,370	3,280
Q_5 = 6,540	6,200
Q_{10} = 9,190	8,430
Q_{25} = 13,100	11,500
Q_{50} = 16,500	14,500
Q_{100} = 20,300	17,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.523
Standard deviation	= 0.346
Station skew	= 0.194
Regional or weighted skew	= -0.084

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1948	Apr.	20.60	a19,000	1957	June 10	11.43	1,780	1962	Apr. 2		2,300
1953	Sept.29	13.61	3,240	1958	Apr. 11	11.42	1,780	1963	July 9	14.23	4,380
1954	Jan. 3	9.82	1,180	1959	Mar. 9	15.93	6,940	1964	Mar. 2	15,98	7,100
1955	Apr. 15	9.24	970	1960	Apr. 5	16.63	8,200	1965	Dec. 5	18.0	11,500
1956	Feb. 22	11.62	1,870	1961	Apr. 16	13.71	3,740				

02226500 SATILLA RIVER NEAR WAYCROSS, GA.

LOCATION.--Lat 31°14'17", long 82°19'29", Ware County, on downstream side of pier near center span of bridge on State Highway 38, 3 mi northeast of Waycross, and 16 mi upstream from Alabaha River.

DRAINAGE AREA.--1,200 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 66.43 ft above mean sea level. Prior to Nov. 22, 1952, nonrecording gage at site 300 ft downstream at same datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 23,000 ft^3/s and extended above on basis of slope-conveyance studies. Bankfull stage and discharge, 12 ft and 2,400 ft^3/s.

HISTORICAL DATA.--The flood of September 1928 based on information furnished by an employee of Atlantic Coast Line Railroad Co. This was reported by a local newspaper to be the highest known to the oldest settlers at that time. Based on this information, the flood of 1948 is probably the highest since at least 1862.

FLOOD-FREQUENCY DATA (ft^3/s)
39 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 7,470	
Q_5 = 13,400	
Q_{10} = 18,000	
Q_{25} = 24,500	
Q_{50} = 29,700	
Q_{100} = 35,200	

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.864
Standard deviation	= 0.310
Station skew	= -0.174
Regional or weighted skew	= -0.174

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1928	Sept.	22.2	a37,000	1949	Sept. 4	18.1	13,800	1962	Apr. 8	16.3	7,500
1937	Apr. 11	16.2	9,240	1950	July 15	13.4	3,450	1963	July 2	14.5	4,200
1938	July 30	14.1	4,160	1951	Apr. 4	16.2	7,770	1964	Mar. 6	19.0	16,200
1939	Mar. 4	17.0	11,000	1952	Mar. 4	12.7	2,870	1965	Dec. 8	20.1	21,000
1940	Feb. 23	14.2	4,300	1953	Apr. 18	14.3	4,300	1966	Mar. 9	17.18	9,840
1941	Mar. 29	10.8	1,960	1954	Oct. 1	18.1	13,800	1967	Jan. 8	16.73	8,490
1942	Jan. 6	17.6	12,800	1955	Sept. 14	11.6	2,220	1968	Mar. 19	11.37	1,790
1943	Mar. 12	13.0	3,120	1956	Feb. 16	12.0	2,320	1969	May 26	15.82	6,150
1944	Mar. 10	18.0	13,400	1957	June 17	14.2	4,300	1970	Apr. 2	16.04	6,700
1945	Oct. 25	16.4	8,270	1958	Apr. 16	16.9	9,700	1971	Aug. 21	16.49	7,820
1946	July 31	14.6	4,820	1959	Mar. 9	19.3	18,800	1972	Feb. 10	16.80	8,700
1947	Apr. 21	16.5	8,520	1960	Apr. 8	19.7	20,600	1973	Apr. 7	18.75	15,300
1948	Apr. 4	22.4	a39,000	1961	Apr. 20	19.3	17,400	1974	Sept.14	16.50	7,850

02226580 BIG CREEK NEAR HOBOKEN, GA.

LOCATION.--Lat 31°10'28", long 82°11'17", Brantley County, at State Highway 50, 2.5 mi west of Hoboken.

DRAINAGE AREA.--49 mi^2, approximately.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,500 ft^3/s. Bankfull stage and discharge, 6.5 ft and 100 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 895	910
Q_5 = 1,470	1,540
Q_{10} = 1,880	1,980
Q_{25} = 2,430	2,580
Q_{50} = 2,850	3,090
Q_{100} = 3,280	3,620

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.943
Standard deviation	= 0.263
Station skew	= -0.271
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1966	Mar. 5	10.49	1,890	1969	Aug. 24	10.79	2,130	1972	June 20	8.80	870
1967	Jan. 4	8.58	760	1970	Feb. 5	7.55	345	1973	Apr. 4	11.44	(b)
1968	- -		d300	1971	Aug. 19	9.17	1,060	1974	Sept. 7	8.38	672

02226700 WHITEHEAD CREEK NEAR DENTON, GA.

LOCATION.--Lat 31°44'00", long 82°41'26", Jeff Davis County, on left bank at downstream side of bridge on U.S. Highway 221 and State Highway 135, 1.0 mi northeast of Denton, and 5.1 upstream from mouth.

DRAINAGE AREA.--28 mi^2, approximately.

GAGE.--Water-stage recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,150 ft^3/s. Bankfull stage and discharge, 2.5 ft and 60 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
7 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 583	618
Q_5 = 1,140	1,160
Q_{10} = 1,590	1,570
Q_{25} = 2,240	2,120
Q_{50} = 2,780	2,610
Q_{100} = 3,370	3,140

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.754
Standard deviation	= 0.355
Station skew	= -1.489
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1957	June 9	3.20	116	1960	Apr. 5	5.98	1,040	1962	Apr. 2	5.02	650
1958	July 4	4.16	320	1961	Apr. 16	5.62	890	1963	June 24	5.45	730
1959	Mar. 6	6.24	1,160								

02226900 HURRICANE CREEK NEAR HAZELHURST, GA.

LOCATION.--Lat 31°40'58", long 82°34'15", Jeff Davis County, at county highway bridge, 4.8 mi downstream from Whitehead Creek, and 13 mi south of Hazelhurst.

DRAINAGE AREA.--102 mi^2, approximately.

GAGE.--Water-stage recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,400 ft^3/s. Bankfull stage and discharge, 5 ft and 1,000 ft^3/s.

REMARKS.--Weighted flood-frequency values are partially based on station downstream on Hurricane Creek near Alma (drainage area, 150 mi^2). Peak discharge for 1960 is estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
7 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 1,700	1,480
Q_5 = 2,920	2,580
Q_{10} = 3,820	3,340
Q_{25} = 5,060	4,370
Q_{50} = 6,030	5,340
Q_{100} = 7,040	6,380

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.220
Standard deviation	= 0.288
Station skew	= -0.277
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1957	July 21	4.67	722	1960	Apr. 6	7.89	3,180	1962	Apr. 3	6.57	1,700
1958	Apr. 18	4.63	722	1961	Apr. 17	7.47	2,580	1963	June 25	5.92	1,330
1959	Mar. 7	8.15	3,580								

02227000 HURRICANE CREEK NEAR ALMA, GA.

LOCATION.--Lat 31°34'00", long 82°27'50", Bacon County, at bridge on U.S. Highway 1, 1.5 mi north of Alma.

DRAINAGE AREA.--150 mi^2, approximately.

GAGE.--Water-stage recorder prior to October 1971; crest-stage gage thereafter. Datum of gage is 136.44 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 4,200 ft^3/s. Bankfull stage and discharge, 6 ft and 1,000 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
23 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 1,440	1,490
Q_5 = 2,530	2,640
Q_{10} = 3,350	3,500
Q_{25} = 4,470	4,670
Q_{50} = 5,370	5,660
Q_{100} = 6,300	6,690

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.149
Standard deviation	= 0.299
Station skew	= -0.606
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1952	Dec. 25	5.63	798	1960	Apr. 6	8.4	3,210	1968	June 9	4.32	289
1953	Sept.29	9.4	4,450	1961	Apr. 16	7.76	2,420	1969	May 21	7.09	1,800
1954	Oct. 3	5.88	940	1962	Apr. 4	6.94	1,690	1970	Feb. 20	6.92	1,670
1955	Apr. 16	4.95	460	1963	June 27	6.60	1,410	1971	Aug. 20	6.03	1,020
1956	Feb. 11	5.12	530	1964	Mar. 3	6.79	1,570	1972	Feb. 3	7.17	1,870
1957	July 23	5.24	582	1965	Dec. 5	8.1	2,780	1973	Apr. 4	7.35	2,040
1958	Apr. 15	5.65	910	1966	Mar. 7	6.99	1,700	1974	Sept. 7	7.02	1,750
1959	Mar. 8	8.4	3,360	1967	Jan. 5	7.62	2,290				

02227100 LITTLE HURRICANE CREEK NEAR ALMA, GA.

LOCATION.--Lat 31°29'44", long 82°31'40", Bacon County, at State Highway 64, 5 mi southwest of Alma.

DRAINAGE AREA.--61 mi^2, approximately.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,700 ft^3/s.

HISTORICAL DATA.--Flood stage of 1948 based on information furnished by local resident. Bankfull stage and discharge, 4.5 ft and 250 ft^3/s.

REMARKS.--Peak discharge for 1958 is estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
13 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 532	628
Q_5 = 1,470	1,580
Q_{10} = 2,450	2,450
Q_{25} = 4,140	3,770
Q_{50} = 5,760	5,040
Q_{100} = 7,710	6,490

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.708
Standard deviation	= 0.541
Station skew	= -0.210
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1948	Apr.	10	(b)	1953	Sept.27	6.96	2,400	1958	Apr. 11		1,280
1949	Sept. 1	7.93	(b)	1954	Mar. 1	4.52	235	1959	Mar. 8	6.48	1,650
1950	July 17	4.67	275	1955	Apr. 16	3.75	93	1960	Apr. 5	6.79	2,100
1951	Mar. 31	5.98	1,100	1956	Feb. 11	3.83	105	1961	Apr. 16	6.38	1,500
1952	Feb. 28	4.24	172	1957	Apr. 9	3.86	105	1962	Apr. 1	5.66	800

02227200 LITTLE HURRICANE CREEK BELOW ALMA, GA.

LOCATION.--Lat 31°25'25", long 82°25'59", Bacon County, at State Highway 4, 8.5 mi south of Alma.

DRAINAGE AREA.--111 mi^2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,400 ft^3/s. Bankfull stage and discharge, 5.0 ft and 250 ft^3/s.

HISTORICAL DATA.--Flood stage of 1948 based on information furnished by local resident.

FLOOD-FREQUENCY DATA (ft^3/s)
26 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 1,330	1,350
Q_5 = 2,710	2,710
Q_{10} = 3,870	3,790
Q_{25} = 5,590	5,340
Q_{50} = 7,040	6,710
Q_{100} = 8,630	8,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.110
Standard deviation	= 0.380
Station skew	= -0.468
Regional or weighted skew	= -0.204

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1948	Apr.	11	(b)	1957	July 23	5.70	720	1966	Mar. 5	6.99	1,740
1949	Aug.	8.70	4,090	1958	Apr. 11	6.88	1,650	1967	Feb. 7	7.30	2,080
1950	July 18	5.48	616	1959	Mar. 7	8.51	3,760	1968	- -		d159
1951	Mar. 31	6.34	1,120	1960	Apr. 6	8.17	3,220	1969	Sept.19	6.11	988
1952	Feb. 28	4.82	310	1961	Apr. 15	9.28	5,140	1970	Aug. 13	6.24	1,130
1953	Sept.27	8.80	4,260	1962	Apr. 1	6.32	1,120	1971	Aug. 19	6.72	1,480
1954	Jan. 1	4.81	310	1963	July 9	5.54	630	1972	Feb. 3	6.29	1,130
1955	Apr. 18	4.28	172	1964	Mar. 2	8.10	3,150	1973	Apr. 4	6.70	1,470
1956	Jan. 24	4.14	d118	1965	Dec. 5	8.91	4,430	1974	Sept. 7	6.29	1,130

02227400 BIG SATILLA CREEK NEAR ALMA, GA.

LOCATION.--Lat 31°39'24", long 82°25'55", Bacon County, at State Highway 4, 8.2 mi north of Alma.

DRAINAGE AREA.--112 mi^2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 6,400 ft^3/s. Bankfull stage and discharge, 4.5 ft and 1,000 ft^3/s.

HISTORICAL DATA.--Flood stage of 1948 based on information furnished by local resident. The 1948 peak is thought to be the highest since 1928, based on nearby stations.

REMARKS.--Peak discharge for 1948 is estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
27 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 1,700	1,680
Q_5 = 3,130	3,060
Q_{10} = 4,360	4,190
Q_{25} = 6,250	5,840
Q_{50} = 7,920	7,380
Q_{100} = 9,840	9,120

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.239
Standard deviation	= 0.308
Station skew	= 1.034
Regional or weighted skew	= 0.162

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1948	Apr.	13.8	a12,000	1957	July 23	5.14	1,430	1966	Mar. 5	6.52	1,920
1949	Aug.	5.89	2,070	1958	Apr. 11	5.13	1,430	1967	Jan. 4	7.11	2,510
1950	Mar. 17	3.57	420	1959	Mar. 8	7.84	3,850	1968	- -		d1,000
1951	Mar. 31	6.73	2,780	1960	Apr. 6	6.88	2,960	1969	May 20	7.29	2,690
1952	Sept.23	3.94	660	1961	Apr. 16	6.67	2,780	1970	Mar. 23	6.87	2,270
1953	Sept.27	10.7	7,380	1962	Apr. 1	4.64	1,100	1971	Aug. 27	5.72	1,200
1954	Dec. 30	4.00	690	1963	June 26	4.54	1,040	1972	Feb. 3	6.33	1,730
1955	Apr. 15	3.55	420	1964	Mar. 2	5.40	1,670	1973	Apr. 4	5.94	1,370
1956	Jan. 24	4.01	690	1965	Dec. 5	7.4	3,450	1974	Sept. 7	7.22	2,610

02227430 LITTLE SATILLA CREEK AT ODUM, GA.

LOCATION.--Lat 31°40'00", long 82°02'23", Wayne County, at State Highway 27 at Odum, 10 mi northwest of Jesup.

DRAINAGE AREA.--49 mi^2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 121.10 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,200 ft^3/s. Bankfull stage and discharge, 4.5 ft and 150 ft^3/s.

HISTORICAL DATA.--Flood stage of 1948 based on information furnished by local resident.

FLOOD-FREQUENCY DATA (ft^3/s)
25 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 655	689
Q_5 = 1,530	1,550
Q_{10} = 2,340	2,300
Q_{25} = 3,620	3,420
Q_{50} = 4,760	4,280
Q_{100} = 6,070	5,580

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.801
Standard deviation	= 0.451
Station skew	= -0.667
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1949	Nov.	9	(b)	1958	Apr. 11	5.38	492	1967	Jan. 5	6.31	1,150
1950	Aug.	6.29	1,140	1959	Mar. 6	6.46	1,350	1968	June 7	5.07	338
1951	Apr. 3	5.41	492	1960	Apr. 5	5.69	669	1969	May 20	6.41	1,250
1952	May 30	4.51	155	1961	Apr. 16	7.19	2,300	1970	Mar. 10	6.16	1,010
1953	Sept.27	6.38	1,240	1962	July 19	5.38	492	1971	Aug. 30	6.80	1,720
1954	Dec. 28	4.05	85	1963	June 26	5.44	519	1972	Feb. 3	5.96	850
1955	Sept.14	4.17	96	1964	Aug. 31	7.14	2,210	1973	Feb. 11	6.21	1,050
1956	May 7	4.09	90	1965	Feb. 18	7.59	2,900	1974	May 14	5.23	408
1957	July 31	4.64	177	1966	May 27	6.62	1,490				

02227470 LITTLE SATILLA CREEK NEAR JESUP, GA.

LOCATION.--Lat 31°33'44", long 81°59'15", Wayne County, at State Highway 99, 7 mi southwest of Jesup.

DRAINAGE AREA.--83 mi^2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 86.95 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,400 ft^3/s. Bankfull stage and discharge, 6.5 ft and 350 ft^3/s.

HISTORICAL DATA.--Flood stage of 1948 based on information furnished by local resident.

REMARKS.--Peak discharge for 1954 is estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
16 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 697	787
Q_5 = 1,850	1,940
Q_{10} = 3,010	2,990
Q_{25} = 4,980	4,590
Q_{50} = 6,840	6,100
Q_{100} = 9,040	7,860

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.826
Standard deviation	= 0.519
Station skew	= -0.718
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1949	Nov.	11.8	(b)	1955	Apr. 16	6.21	183	1961	Apr. 16	8.67	1,820
1950	Sept.	9.86	3,320	1956	May 7	5.78	76	1962	Apr. 1	7.53	895
1951	Apr. 3	6.72	392	1957	Aug. 7	7.74	1,040	1963	June 26	7.09	620
1952	Feb. 28	6.02	120	1958	June 27	7.29	740	1964	Mar. 5	8.43	1,640
1953	Sept.27	8.71	1,870	1959	Mar. 17	8.51	1,680	1965	Dec. 7	8.90	2,070
1954	Dec. 28		96	1960	Apr. 5	7.64	960				

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA.

LOCATION.--Lat 31°27'04", long 82°03'17", Pierce County, at right bank pier of steel truss span of Seaboard Coast Line Railroad bridge, 1,500 ft downstream from bridge on State Highway 38, 4 mi northeast of Offerman, and 16 mi upstream from mouth.

DRAINAGE AREA.--646 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 59.00 ft above mean sea level. Prior to Nov. 8, 1952, water-stage recorder at site 1,500 ft upstream from same datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,600 ft^3/s. Bankfull stage and discharge, 9 ft and 3,000 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 4,420	4,390
Q_5 = 8,650	8,960
Q_{10} = 12,100	11,600
Q_{25} = 17,100	16,000
Q_{50} = 21,300	20,000
Q_{100} = 25,800	24,300

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.633
Standard deviation	= 0.358
Station skew	= -0.693
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Apr. 3	10.5	5,100	1959	Mar. 7	11.4	8,860	1967	Jan. 7	9.90	4,960
1952	June 1	8.8	1,860	1960	Apr. 8	10.6	6,570	1968	June 12	7.89	1,370
1953	Sept.29	13.5	17,200	1961	Apr. 18	12.4	12,600	1969	May 24	9.68	4,370
1954	Jan. 2	8.2	1,610	1962	Apr. 6	9.59	4,190	1970	Mar. 26	10.22	5,550
1955	Apr. 17	7.6	1,180	1963	July 10	8.68	2,430	1971	Sept. 1	9.95	4,940
1956	Feb. 17	6.0	530	1964	Mar. 5	12.0	11,000	1972	Feb. 8	10.02	5,080
1957	June 11	9.5	3,760	1965	Dec. 7	12.2	11,800	1973	Apr. 5	10.37	5,950
1958	Apr. 17	9.8	4,620	1966	Mar. 6	10.67	6,770	1974	Sept.13	9.19	3,390

02228000 SATILLA RIVER AT ATKINSON, GA.

LOCATION.--Lat 31°13'16", long 81°52'03", Brantley County, on left bank piling 25 ft upstream from bridge on U.S. Highway 84,400 ft downstream from Seaboard Coast Line Railroad bridge, and 1 mi west of Atkinson.

DRAINAGE AREA.--2,790 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 14.79 ft above mean sea level. Prior to Dec. 6, 1933, and Nov. 21, 1961 to Sept. 30, 1964, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 68,000 ft^3/s. Bankfull stage and discharge, 13 ft and 5,700 ft^3/s.

HISTORICAL DATA.--The flood of September 1929 based on information furnished by local residents, and was the highest known at that time. Atlantic Coast Line Railroad records indicate that the 1929 flood was the highest since the railroad bridge was constructed about 1862.

FLOOD-FREQUENCY DATA (ft^3/s)
45 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE

Q_2	= 13,000
Q_5	= 23,500
Q_{10}	= 32,000
Q_{25}	= 44,200
Q_{50}	= 54,500
Q_{100}	= 65,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.113
Standard deviation	= 0.306
Station skew	= -0.036
Regional or weighted skew	= -0.036

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1929	Sept.	27.20	a110,000	1945	Oct. 30	15.6	12,000	1960	Apr. 11	19.1	31,100
1931	Jan. 26	13.0	5,510	1946	Jan. 7	14.4	8,500	1961	Apr. 23	19.1	29,700
1932	Aug. 31	15.4	12,200	1947	Apr. 25	16.0	13,800	1962	Apr. 12	16.3	14,200
1933	Feb. 18	17.0	15,200	1948	Apr. 6	23.9	a68,100	1963	July 8	13.6	6,600
1934	June 11	15.8	11,900	1949	Sept. 5	19.6	33,200	1964	Mar. 8	19.4	31,800
1935	Sept.18	16.2	13,000	1950	Sept.11	16.6	15,500	1965	Dec. 12	19.2	30,400
1936	Feb. 17	14.5	8,770	1951	Oct. 24	16.5	15,000	1966	Mar. 10	17.48	19,800
1937	Apr. 14	16.3	13,300	1952	Mar. 11	12.9	5,360	1967	Jan. 15	16.68	15,900
1938	Aug. 5	13.7	7,140	1953	Apr. 23	13.4	6,220	1968	Mar. 20	10.21	2,570
1939	Mar. 7	17.5	17,000	1954	Oct. 3	19.8	34,600	1969	June 1	15.19	10,300
1940	Feb. 26	14.5	7,920	1955	Sept.21	11.8	3,900	1970	Apr. 3	16.21	13,800
1941	July 27	13.2	6,080	1956	Feb. 22	11.3	3,420	1971	Aug. 25	16.11	13,400
1942	Jan. 9	18.8	26,600	1957	June 17	13.5	6,400	1972	Feb. 13	16.76	16,300
1943	Mar. 17	13.0	5,650	1958	Apr. 20	17.3	19,000	1973	Apr. 10	18.68	27,100
1944	Mar. 31	18.3	26,100	1959	Mar. 12	19.1	29,700	1974	Sept.19	15.61	11,600

02228500 NORTH PRONG ST. MARYS RIVER AT MONIAC, GA.

LOCATION.--Lat 30°31'03", long 82°13'50", in NW 1/4 sec. 8, T.1 N., R. 21 E; Baker County, Fla; near right bank at upstream side of bridge on State Highways 2 and 94, 0.2 mi upstream from Georgia Southern and Florida Railway bridge, 0.4 mi west of Monaic, 1.0 mi downstream from Moccasin Creek, and 122 mi upstream from mouth of St. Marys River.

DRAINAGE AREA.--160 mi^2, approximately; includes part of watershed in Okeefenokee Swamp, which is indeterminate.

GAGE.--Water-stage recorder. Datum of gage is 89.40 ft above mean sea level. January 1921 to June 1934, nonrecording gage at site 800 ft downstream at datum 3.22 ft higher.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

REMARKS.--Weighted frequency values not shown as part of drainage area are in Florida.

FLOOD-FREQUENCY DATA (ft^3/s)
32 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE
Q_2 = 1,580
Q_5 = 3,150
Q_{10} = 4,450
Q_{25} = 6,350
Q_{50} = 7,950
Q_{100} = 9,680

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)
Mean = 3.187
Standard deviation = 0.367
Station skew = 0.079
Regional or weighted skew = -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1921	July 31		[1]2,200	1954	Oct. 1	14.27	2,140	1965	Dec. 27	14.00	1,700
1922	Sept.19	5.9	370	1955	Sept. 8	9.79	443	1966	Aug. 9	14.20	2,020
1923	Jan. 8	7.0	670	1956	May 8	9.05	312	1967	Aug. 30	[2]13.05	1,500
1928	Sept.19	16.7	6,060	1957	June 11	15.26	3,110	1968	July 26	10.05	480
1929	Mar. 17	9.35	1,610	1958	Apr. 11	13.38	1,590	1969	Mar. 19	11.18	764
1930	Oct. 2	11.51	2,640	1959	Mar. 18	14.80	2,650	1970	Mar. 30	17.57	4,080
1933	Feb. 9	8.89	1,770	1960	Mar. 19	13.00	1,410	1971	Aug. 17	13.49	1,770
1934	June 18	7.00	550	1961	Aug. 31	10.76	668	1972	June 21	12.60	1,320
1951	Oct. 22	16.20	4,050	1962	Apr. 2	14.88	2,730	1973	Apr. 5	22.98	11,600
1952	Mar. 14	12.36	1,330	1963	Jan. 14	11.18	729	1974	Sept. 9	11.78	984
1953	Sept.27	13.93	1,920	1964	Sept.13	18.41	4,590				

[1]Estimated daily discharge
[2]Peak stage occurred at different time than peak discharge.

02230000 TURKEY CREEK AT MACLENNY, FLA.

LOCATION.--Lat 30°16'08", long 82°07'21", in NE 1/4 sec. 5, T. 35, R. 22 E; Baker County, at bridge on State Highway 121, 0.9 mi south of Maclenny, and 1.8 mi upstream from mouth.

DRAINAGE AREA.--19.9 mi^2.

GAGE.--Water-stage recorder prior to Oct. 1, 1970; crest-stage gage thereafter. Datum of gage is 99.95 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

FLOOD-FREQUENCY DATA (ft^3/s)
19 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE
Q_2 = 886
Q_5 = 1,320
Q_{10} = 1,610
Q_{25} = 1,980
Q_{50} = 2,260
Q_{100} = 2,530

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)
Mean = 2.940
Standard deviation = 0.213
Station skew = -0.078
Regional or weighted skew = -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1956	May 6	6.87	1,110	1963	Sept.29	7.10	1,270	1969	Sept.24	5.44	314
1957	Oct. 17	6.90	1,130	1964	May 2	8.40	2,600	1970	Mar. 28	7.0	1,200
1958	Apr. 10	6.69	994	1965	Dec. 6	6.21	690	1971	Aug. 17	7.06	1,200
1959	May 21	6.94	1,160	1966	Mar. 1	6.24	707	1972	June 19	5.98	564
1960	Mar. 17	6.01	595	1967	Aug. 13	6.13	646	1973	Apr. 4	7.08	1,260
1961	July 27	5.71	445	1968	Aug. 29	6.98	1,190	1974	Aug. 6	5.88	510
1962	Aug. 7	6.61	946								

02230500 SOUTH PRONG ST. MARYS RIVER AT GLEN ST. MARY, FLA.

LOCATION.--Lat 30°16'43", long 82°08'40", in SW 1/4 sec. 31, T.25, R. 22 E; Baker County, on right bank 65 ft upstream from bridge on U.S. Highway 90, 1.0 mi east of Glen St. Mary, and 8.2 mi upstream from mouth.

DRAINAGE AREA.--130 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 77.13 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

REMARKS.--Peak stage of September 1947 from Florida Department of Transportation. Peak discharges for 1951 is maximum daily discharge.

FLOOD-FREQUENCY DATA (ft^3/s)
22 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE
Q_2 = 1,990
Q_5 = 3,850
Q_{10} = 5,350
Q_{25} = 7,520
Q_{50} = 9,320
Q_{100} = 11,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)
Mean = 3.287
Standard deviation = 0.351
Station skew = -0.829
Regional or weighted skew = -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1947	Sept.	13.0	6,000	1957	June 9	10.36	2,750	1965	Dec. 27	9.16	1,530
1950	Sept. 7	12.71	5,680	1958	Apr. 10	9.99	2,420	1966	Mar. 1	9.79	2,190
1951	Oct. 22		4,300	1959	May 22	10.64	3,200	1967	Feb. 15	8.78	1,220
1952	Feb. 27	5.20	240	1960	Mar. 19	10.12	2,570	1968	Sept. 1	10.68	3,250
1953	Aug. 28	9.72	1,930	1961	Aug. 20	9.77	2,150	1969	Sept.24	8.13	788
1954	Oct. 1	9.89	2,140	1962	Aug. 7	8.45	915	1970	Mar. 29	11.64	4,400
1955	July 18	6.64	454	1963	Sept.30	10.38	2,870	1971	Aug. 19	9.13	1,510
1956	May 7	8.78	1,150	1964	Sept.12	14.23	7,510				

02231000 ST. MARYS RIVER NEAR MACCLENNY, FLA.

LOCATION.--Lat 30°21'31", long 82°04'54", in NW 1/4 sec. 2, T.25, R. 22 E; Baker County, on right bank 200 ft downstream from site of former Stokes Bridge, 1 mi downstream from confluence of North and South Prongs, 6 mi northeast of Macclenny, and 100 mi upstream from mouth.

DRAINAGE AREA.--700 mi^2, approximately; includes part of watershed in Okeefenokee Swamp, which is indeterminate.

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft above mean sea level (levels by Mees and Mees). Prior to Feb. 21, 1939, nonrecording gage and Feb. 21, 1939, to Aug. 15, 1948, water-stage recorder at site of former bridge, 200 ft upstream at same datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

FLOOD-FREQUENCY DATA (ft^3/s)
48 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE
Q_2 = 6,350
Q_5 = 13,100
Q_{10} = 18,700
Q_{25} = 27,400
Q_{50} = 34,800
Q_{100} = 43,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)
Mean = 3.793
Standard deviation = 0.380
Station skew = -0.072
Regional or weighted skew = -0.160

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1927	Aug. 24	12.4	3,070	1943	Aug. 21	8.98	1,450	1959	Mar. 18	17.42	10,000
1928	Sept.20	21.9	26,100	1944	Aug. 28	14.85	5,770	1960	Mar. 19	16.80	7,770
1929	Mar. 18	14.18	4,990	1945	Oct. 21	19.67	16,100	1961	Aug. 28	14.92	5,770
1930	Oct. 2	18.18	11,400	1946	Aug. 2	15.13	6,260	1962	Apr. 5	11.76	2,460
1931	Apr. 7	10.62	2,080	1947	Sept.25	22.29	28,100	1963	Sept.30	16.39	8,070
1932	Sept.18	14.10	4,860	1948	Apr. 3	21.97	26,600	1964	Sept.13	23.25	26,000
1933	Apr. 17	14.38	5,250	1949	Feb. 8	16.58	8,230	1965	Dec. 28	16.68	7,380
1934	June 18	16.39	8,260	1950	Sept. 7	21.96	26,600	1966	Mar. 2	15.19	5,210
1935	Sept. 8	14.20	4,990	1951	Oct. 22	21.23	22,600	1967	Feb. 15	14.75	5,030
1936	Feb. 23	9.40	1,540	1952	Feb. 28	10.23	1,810	1968	Aug. 31	13.83	3,710
1937	Sept.24	14.95	6,030	1953	Aug. 29	15.00	5,600	1969	Sept.25	12.25	2,760
1938	Aug. 8	16.25	7,920	1954	Oct. 2	18.27	11,900	1970	Mar. 31	19.88	14,500
1939	Oct. 25	15.70	7,100	1955	Sept.15	6.85	762	1971	Aug. 20	15.96	6,240
1940	Feb. 20	11.11	2,250	1956	May 8	10.73	2,010	1972	June 29	14.01	3,880
1941	July 28	9.17	1,520	1957	June 12	16.70	8,420	1973	Apr. 5	22.86	28,000
1942	Jan. 6	15.36	6,800	1958	Apr. 12	16.36	8,020	1974	Sept. 7	15.50	5,550

02231100 ST. MARYS RIVER NEAR ST. GEORGE, GA.

LOCATION.--Lat 30°31'28", long 82°01'07", in SW 1/4 sec. 4, T. 1 N., R. 23 E., Nassau County, Fla., at bridge on State Highway 2 (Ga. State Highway 94), 1.1 mi east of St. George, and 82 mi upstream from mouth.

DRAINAGE AREA.--900 mi^2, approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

GAGE.--Crest-stage gage. Datum of gage is mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Sept.15	42.43	26,700	1967	Feb. 15	33.49	6,480	1971	Aug. 21	34.13	7,630
1965	Aug. 18	32.70	5,140	1968	Sept. 4	34.65	8,600	1972	June 30	32.62	5,010
1966	Jan. 27	33.93	7,270	1970	Apr. 1	38.20	16,100				

02231250 LITTLE ST. MARYS RIVER NEAR HILLIARD, FLA.

LOCATION.--Lat 30°43'55", long 81°53'35", in SE 1/4 sec. 27, T.4N., R. 24 E; Nassau County, Fla., at bridge on State Highway 115A, 3.3 mi northeast of Hilliard, and 13 mi upstream from mouth.

DRAINAGE AREA.--20.8 mi^2.

GAGE.--Crest-stage gage prior to Jan. 26, 1965; water-stage recorder Jan. 26, 1965 to Sept. 30, 1967; crest-stage thereafter. Datum of gage is mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements and velocity-area studies.

FLOOD-FREQUENCY DATA (ft^3/s)
14 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE
Q_2 = 756
Q_5 = 1,380
Q_{10} = 1,870
Q_{25} = 2,560
Q_{50} = 3,110
Q_{100} = 3,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)
Mean = 2.868
Standard deviation = 0.321
Station skew = 0.464
Regional or weighted skew = -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1961	Apr. 16	14.58	762	1966	July 1	14.73	841	1971	Feb. 8	13.55	345
1962	Apr. 1	14.59	768	1967	July 9	14.86	938	1972	June 19	14.09	466
1963	June 26	13.68	363	1968	June 8	14.19	515	1973	Apr. 4	16.49	3,000
1964	Sept.13	15.96	2,150	1969	Sept.22	14.79	883	1974	Sept. 6	13.26	232
1965	Dec. 6	13.84	424	1970	Nov. 1	15.74	1,830				

02231253 ST. MARYS RIVER NEAR GROSS, FLA.

LOCATION.--Lat 30°44'29", long 81°41'17", in land grant 41, T. 4 N., R. 26 E., Nassau County, at Florida-Georgia State Line, near center of span on downstream side of bridge on U.S. Highway 17, 1.8 mi downstream from Little St. Marys River, 2.1 mi north of Gross, and 21 mi upstream from mouth.

DRAINAGE AREA.--1,360 mi^2, approximately.

GAGE.--Water-stage and deflection-meter recorder. Datum of gage is 10.00 ft below mean sea level.

STAGE-DISCHARGE RELATION.--Affected by tides. Discharge determined from deflection meter computations.

REMARKS.--Peak discharges affected by tide. Maximum stages occur at different time than peak discharges. All peaks listed are maximum daily discharges.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1967	Feb. 14	--	6,850	1969	Sept.22	14.39	--	1972	June 20	--	8,130
1967	Sept. 5	13.92	--	1970	Nov. 1	14.60	--	1972	Dec. 3	14.12	--
1968	June 7	--	7,840	1970	Nov. 2	--	17,300	1973	Sept.25	13.95	--
1968	Aug. 29	13.98	--	1971	Aug. 28	--	8,570	1974	Aug. 27	--	8,420
1969	Sept.24	--	8,610	1971	Oct. 17	13.71	--	1974	Sept.24	14.04	--

ST. MARYS RIVER BASIN

02231280 THOMAS CREEK NEAR CRAWFORD, FLA.

LOCATION.--Lat 30°27'39", long 81°49'57", in NW 1/4 sec. 32, T.1 N., R. 25 E; Duval County, on downstream side at bridge on Acree Road, 4.4 mi southeast of Crawford, 4.4 mi northwest of Dinsmore, 7.1 mi south of Callhan, and 24 mi upstream from mouth.

DRAINAGE AREA.--29.8 mi^2.

GAGE.--Water-stage recorder. Datum of gage is mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,600 ft^3/s.

HISTORICAL DATA.--Flood in September 1950 from highwater mark pointed out by local resident.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE
Q_2 = 1,200
Q_5 = 2,280
Q_{10} = 3,150
Q_{25} = 4,400
Q_{50} = 5,460
Q_{100} = 6,520

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)
Mean = 3.068
Standard deviation = 0.343
Station skew = 0.324
Regional or weighted skew = -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1950		23.3	(b)	1969	Sept.22	18.03	631	1972	June 20	18.11	707
1966	July 1	18.97	1,610	1970	Nov. 1	20.43	2,930	1973	Apr. 4	21.04	4,020
1967	Aug. 13	18.55	1,105	1971	Aug. 17	17.80	500	1974	July 9	17.87	452
1968	Aug. 31	19.49	1,920								

ST. JOHNS RIVER BASIN

02246200 DURBIN CREEK NEAR DURBIN FLA.

LOCATION.--Lat 30°05'57", long 81°31'34", in NE 1/4 sec. 6, T.5 S., R. 28 E; St. Johns County, at bridge on county road, 1.0 mi downstream from Bowen Branch, 4.9 mi northwest of Durbin, and 6.1 mi upstream from mouth.

DRAINAGE AREA.--36.7 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 1.88 ft below mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

FLOOD-FREQUENCY DATA (ft^3/s)
13 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE
Q_2 = 828
Q_5 = 1,710
Q_{10} = 2,460
Q_{25} = 3,580
Q_{50} = 4,530
Q_{100} = 5,580

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)
Mean = 2.905
Standard deviation = 0.386
Station skew = 0.827
Regional or weighted skew = -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1961	Aug. 27	5.29	290	1966	July 2	8.94	1,450	1970	Feb. 3	8.39	1,240
1962	Sept.25	5.36	330	1967	Aug. 21	6.37	606	1972	Feb. 18	7.74	1,010
1963	Sept.26	5.45	332	1968	Aug. 30	11.95	4,050	1973	Apr. 4	6.54	612
1964	Sept.11	11.98	4,140	1969	Mar. 24	5.84	405	1974	Aug. 6	5.99	447
1965	June 18	7.36	903								

02246600 TROUT RIVER AT DINSMORE, FLA.

LOCATION.--Lat 30°25'51", long 81°46'07", in land grant 41, T.1 S., R. 25 E; Duval County, at bridge on Kings Road at Dinsmore, and 11 mi upstream from mouth.

DRAINAGE AREA.--20.9 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 0.28 ft below mean sea level (unadjusted).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE
Q_2 = 626
Q_5 = 1,040
Q_{10} = 1,340
Q_{25} = 1,740
Q_{50} = 2,050
Q_{100} = 2,370

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)
Mean = 2.787
Standard deviation = 0.270
Station skew = 0.398
Regional or weighted skew = -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Sept.11	7.82	646	1968	Aug. 29	9.90	1,580	1972	Mar. 31	6.17	385
1965	July 7	6.12	361	1969	Aug. 23	7.43	591	1973	Apr. 4	9.67	1,480
1966	July 1	7.15	517	1970	Mar. 29	8.79	1,090	1974	Sept. 6	6.44	431
1967	Aug. 13	5.12	248								

02314500 SUWANNEE RIVER AT FARGO, GA.

LOCATION.--Lat 30°40'50", long 82°33'38", Clinch County, on downstream side of right bank pier of bridge on U.S. Highway 441 at Fargo, 4 mi upstream from Suwanoochee Creek, and 12 mi downstream from Mixons Ferry damsite.

DRAINAGE AREA.--1,260 mi^2; includes part of watershed in Okefenokee Swamp, which is indeterminate.

GAGE.--Water-stage recorder. Datum of gage is 91.90 ft above mean sea level. Jan. 27, 1927 to Dec. 31, 1931 and Apr. 20, 1937 to June 10, 1938, nonrecording gage at site 1,000 ft upstream at datum 1.00 ft higher. June 11, 1938 to Nov. 26, 1952, nonrecording gage at site 1,000 ft upstream at present datum. Oct. 14, 1960 to Oct. 29, 1970, auxiliary water-stage recorder at site about 3 mi upstream and since Nov. 5, 1971, auxiliary water-stage recorder at site about 2 mi upstream. All sites converted to present datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 13,000 ft^3/s. Stage-discharge relation affected by backwater. Bankfull stage and discharge, 10 ft and 1,800 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
41 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE

Q_2	= 4,270
Q_5	= 8,020
Q_{10}	= 10,900
Q_{25}	= 14,800
Q_{50}	= 17,800
Q_{100}	= 20,900

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.610
Standard deviation	= 0.345
Station skew	= -0.952
Regional or weighted skew	= -0.360

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1928	May 2	14.4	5,210	1948	Oct. 29	19.6	10,800	1962	Apr. 5	14.60	4,520
1929	Oct. 1	19.5	13,800	1949	Sept.10	14.3	5,900	1963	Mar. 5	12.40	3,830
1930	Oct. 3	19.6	11,900	1950	Oct. 1	11.3	2,660	1964	Sept.12	18.60	9,940
1931	Oct. 3	11.4	2,460	1951	Oct. 26	11.9	3,260	1965	Oct. 1	14.40	6,000
1938	Oct. 8	12.7	4,410	1952	Nov. 10	12.8	4,300	1966	Mar. 16	15.45	7,240
1939	Aug. 29	11.6	2,490	1953	Sept. 2	11.80	3,280	1967	Feb. 17	12.49	3,540
1940	Feb. 21	11.0	2,060	1954	Oct. 5	14.60	5,640	1968	Sept.10	5.51	531
1941	Sept.23	7.5	810	1955	Sept.17	10.70	1,710	1969	May 29	11.40	2,630
1942	Jan. 11	15.9	7,960	1956	May 10	7.90	960	1970	Aug. 18	15.42	5,870
1943	Oct. 1	5.6	495	1957	June 14	12.20	2,550	1971	Sept. 5	14.55	4,840
1944	Aug. 14	12.8	4,280	1958	Apr. 24	13.20	4,400	1972	Jan. 26	14.36	5,970
1945	Aug. 22	17.3	9,690	1959	Mar. 22	17.20	8,680	1973	Apr. 11	21.01	13,200
1946	Aug. 8	14.2	5,920	1960	Aug. 1	12.70	4,190	1974	Sept.19	11.20	2,480
1947	Sept.30	14.4	6,160	1961	Apr. 23	15.50	7,100				

02314600 SUWANNOOCHEE CREEK AT DU PONT, GA.

LOCATION.--Lat 30°59'09", long 82°52'50", Clinch County, at U.S. Highway 84, at Du Pont.

DRAINAGE AREA.--143 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 169.65 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,900 ft^3/s. Bankfull stage and discharge, 5.0 ft and 80 ft^3/s.

HISTORICAL DATA.--Flood stages of 1929 and 1948 based on information furnished by the Georgia Department of Transportation.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE

Q_2	= 688
Q_5	= 1,320
Q_{10}	= 1,840
Q_{25}	= 2,580
Q_{50}	= 3,190
Q_{100}	= 3,840

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.826
Standard deviation	= 0.348
Station skew	= -1.086
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1930	Oct.	11.2	(b)	1959	Mar. 9	8.17	1,480	1967	Jan. 5	7.04	870
1948	Apr.	7.7	1,150	1960	Apr. 11	7.45	1,050	1968	Oct. 10	5.48	204
1952	Apr. 2	5.6	195	1961	Apr. 16	7.88	1,300	1969	Sept.26	5.94	366
1953	Sept.30	7.21	850	1962	Apr. 1	6.65	675	1970	Aug. 13	9.46	1,960
1954	Jan.	5.92	285	1963	Jan. 21	5.57	225	1971	Sept. 5	7.39	900
1955	Sept.17	5.09	80	1964	Sept.15	7.52	1,100	1972	Jan. 15	7.80	1,100
1956	Aug. 14	6.47	600	1965	Mar. 21	7.37	1,050	1973	Apr. 5	8.77	1,660
1957	June 11	6.09	430	1966	Mar. 14	7.58	1,140	1974	Sept. 9	7.16	784
1958	Apr. 20	7.10	900								

02314700 SUWANNOOCHEE CREEK NEAR THELMA, GA.

LOCATION.--Lat 30°49'18", long 82°50'28", Clinch County, at State Highway 187, 1.2 mi west of Thelma.

DRAINAGE AREA.--232 mi^2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,700 ft^3/s. Bankfull stage and discharge, 5.0 ft and 200 ft^3/s.

HISTORICAL DATA.--Flood stages of 1929 based on information furnished by local resident.

FLOOD-FREQUENCY DATA (ft^3/s)
12 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE
Q_2 = 1,220
Q_5 = 1,940
Q_{10} = 2,450
Q_{25} = 3,110
Q_{50} = 3,610
Q_{100} = 4,120

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)
Mean = 3.078
Standard deviation = 0.246
Station skew = 0.746
Regional or weighted skew = -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1929		11.80	(b)	1967	Jan. 5	6.75	935	1971	Sept.17	6.80	970
1963	Feb. 26	5.82	400	1968			d600	1972	Jan. 16	7.45	1,550
1964	May 9	7.22	1,340	1969	Sept.26	6.67	879	1973	Apr. 6	8.44	2,860
1965	Mar. 20	7.31	1,430	1970	Aug. 15	8.40	2,800	1974	Sept.10	7.51	1,610
1966	Mar. 14	6.98	1,100								

02315500 SUWANNEE RIVER AT WHITE SPRINGS, FLA.

LOCATION.--Lat 30°19'32", long 82°44'18", in SW 1/4 sec. 8, T. 2 S., R. 16 E, Columbia County, on left bank at downstream side of bridge on U.S. Highway 41, 1 mi southeast of White Springs.

DRAINAGE AREA.--2,390 mi^2, approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

GAGE.--Water-stage recorder. Datum of gage is 48.54 ft above mean sea level (Corps of Engineers bench mark). Prior to July 31, 1932, nonrecording gage at site 1 mi downstream at same datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

HISTORICAL DATA.--The flood of April 5, 1948, was reported by residents of the area at that time to be the highest known since 1862.

FLOOD-FREQUENCY DATA (ft^3/s)
49 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE
Q_2 = 7,650
Q_5 = 13,100
Q_{10} = 16,500
Q_{25} = 20,400
Q_{50} = 22,900
Q_{100} = 25,100

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)
Mean = 3.840
Standard deviation = 0.325
Station skew = -0.815
Regional or weighted skew = -0.815

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1907	Aug. 24	11.4	3,220	1942	Jan. 15	30.22	11,700	1958	Apr. 11	26.29	8,420
1907	Sept.30	20.7		1943	Oct. 1	7.54	866	1959	Mar. 22	34.61	20,100
1908	Jan. 1	20.9	6,650	1944	Aug. 11	24.37	7,690	1960	Mar. 19	22.07	6,810
1928	Apr. 30	30.59	13,000	1945	Aug. 25	33.20	16,500	1961	Apr. 30	25.03	7,930
1929	Oct. 1	33.9	20,600	1946	Aug. 11	26.11	8,340	1962	Apr. 10	28.65	9,850
1930	Oct. 5	33.5	19,600	1947	Sept.26	27.81	9,150	1963	Mar. 4	20.21	6,100
1931	Jan. 24	15.0	4,280	1948	Apr. 5	36.65	a28,500	1964	Sept.17	35.82	23,300
1932	Sept.22	29.26	10,100	1949	Sept.12	24.91	7,880	1965	Oct. 1	30.81	
1933	Feb. 17	28.97	10,200	1950	Oct. 1	13.47		1965	Mar. 11	29.35	11,000
1934	Aug. 13	10.10	2,220	1950	Sept. 8	11.20	2,740	1966	Mar. 20	30.79	12,600
1935	Sept.22	21.07	6,330	1951	Oct. 30	15.16	4,200	1967	Feb. 21	22.18	6,910
1936	Oct. 1	17.68		1952	Jan. 5	19.34	5,780	1968	Jan. 5	4.81	727
1936	Feb. 25	16.20	4,480	1953	Sept.10		5,200	1969	Sept.27	16.42	4,940
1937	Apr. 17	29.54	11,100	1953	Sept.30	22.87		1970	Aug. 30	30.90	12,600
1938	Oct. 4	21.90	6,660	1954	Oct. 8	28.36	10,100	1971	Sept. 6	24.92	8,610
1939	Aug. 28	19.01	5,640	1955	Sept.19	13.98	3,840	1972	Feb. 14	27.28	9,770
1940	Feb. 20	17.75	5,180	1956	May 11	8.17	1,760	1973	Apr. 10	40.02	a38,100
1941	July 27	13.52	3,550	1957	June 10	27.76	9,130	1974	Sept.15	14.72	4,290

02315650 ALAPAHA RIVER TRIBUTARY NO. 2 NEAR PITTS, GA.

LOCATION.--Lat 32°00'20", long 83°33'27", Wilcox County, at culvert on State Highway 215, 3.5 mi north of Pitts.

DRAINAGE AREA.--0.14 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 40 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	50	47
Q_5	74	70
Q_{10}	89	86
Q_{25}	109	106
Q_{50}	124	121
Q_{100}	138	135

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 1.692
Standard deviation	= 0.206
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	June 16	1.78	31	1969	Aug. 4	3.24	89	1972	June 25	2.06	40
1966	May 19	3.03	79	1970	Mar. 30	2.28	73	1973	Feb. 2	2.30	50
1967	July 12	2.03	39	1971	Mar. 3	1.94	36	1974	Sept.17	2.48	57
1968	-	-	d13								

02315670 ALAPAHA RIVER TRIBUTARY NO. 3 NEAR ROCHELLE, GA.

LOCATION.--Lat 31°56'40", long 83°30'52", Wilcox County, at culvert on U.S. Highway 280, 3.5 mi west of Rochelle.

DRAINAGE AREA.--3.95 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 224 ft^3/s.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data. Peak discharge for 1973 is estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	143	152
Q_5	224	241
Q_{10}	281	304
Q_{25}	355	387
Q_{50}	411	446
Q_{100}	467	505

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.147
Standard deviation	= 0.240
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Feb. 18	3.68	145	1968	-	-	d18	1971	Mar. 3	4.02	204
1966	Mar. 5	3.78	159	1969	Aug. 4	3.75	155	1972	Jan. 5	3.54	127
1967	Feb. 7	3.46	116	1970	Mar. 31	4.15	230	1973	Apr. 1	-	100

02315700 ALAPAHA RIVER AT REBECCA, GA.

LOCATION.--Lat 31°48'55", long 83°28'26", Ben Hill County, at State Highway 90, 1 mi east of Rebecca.

DRAINAGE AREA.--112 mi2.

GAGE.--Crest-stage gage. Datum of gage is 289.93 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,300 ft^3/s. Bankfull stage and discharge, 3 ft and 450 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	1,390	1,410
Q_5 =	2,310	2,370
Q_{10} =	2,970	3,070
Q_{25} =	3,860	4,000
Q_{50} =	4,550	4,770
Q_{100} =	5,260	5,580

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.134
Standard deviation	= 0.269
Station skew	= -0.247
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Mar. 31	3.77	700	1959	Mar. 8	5.38	2,060	1967	Feb. 9	4.56	1,200
1952	May 31	4.68	1,310	1960	Apr. 6	6.51	3,400	1968	-	-	d310
1953	Sept.22	5.04	1,600	1961	Apr. 16	5.34	2,000	1969	Sept.21	5.35	2,000
1954	Jan. 2	4.51	1,150	1962	Apr. 1	4.07	835	1970	Apr. 1	6.28	3,120
1955	Aug. 1	3.12	400	1963	July 24	4.24	975	1971	Mar. 4	5.92	2,970
1956	Feb. 7	3.29	470	1964	July 18	6.44	3,260	1972	Jan. 14	4.47	1,130
1957	Apr. 10	4.43	1,080	1965	Feb. 18	5.05	1,650	1973	Feb. 10	5.35	2,000
1958	Apr. 11	4.19	940	1966	Mar. 5	6.36	3,210	1974	Feb. 17	3.92	760

02315900 DEEP CREEK NEAR ASHBURN, GA.

LOCATION.--Lat 31°43'49", long 83°35'00", Turner County, at State Highway 112, 4.5 mi east of Ashburn.

DRAINAGE AREA.--137 mi2.

GAGE.--Crest-stage gage. Datum of gage is 289.9 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,770 ft^3/s. Bankfull stage and discharge, 9 ft and 700 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	1,600	1,620
Q_5 =	2,860	2,890
Q_{10} =	3,830	3,850
Q_{25} =	5,180	5,160
Q_{50} =	6,260	6,280
Q_{100} =	7,390	7,460

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.194
Standard deviation	= 0.310
Station skew	= 0.075
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Apr. 1	9.67	760	1959	Mar. 6	12.1	2,740	1967	Feb. 10	10.41	1,450
1952	Mar. 26	9.84	810	1960	Apr. 5	13.0	3,880	1968	-	-	d292
1953	May 8	10.5	1,500	1961	Apr. 16	12.3	2,940	1969	Mar. 26	8.95	660
1954	Jan. 3	9.94	1,140	1962	Apr. 1	9.08	725	1970	Apr. 1	13.84	4,600
1955	Sept. 8	8.71	560	1963	June 25	10.47	1,500	1971	Mar. 4	13.40	4,200
1956	Feb. 8	9.82	1,080	1964	Feb. 18	13.38	4,520	1972	Jan. 14	10.20	1,320
1957	May 16	10.2	1,320	1965	Feb. 18	11.0	1,850	1973	Feb. 10	11.35	2,130
1958	Apr. 11	10.7	1,640	1966	Mar. 5	12.69	3,450	1974	Feb. 17	11.03	1,870

02315980 ALAPAHA RIVER TRIBUTARY NEAR OCILLA, GA.

LOCATION.--Lat 31°33'38", long 83°21'28", Irwin County, at culvert on U.S. Highway 319, 7 mi west of Ocilla.

DRAINAGE AREA.--1.21 mi^2.

GAGE.--Flood-stage recorder prior to Mar. 15, 1968; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 157 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 117	116
Q_5	= 190	190
Q_{10}	= 242	242
Q_{25}	= 311	311
Q_{50}	= 364	365
Q_{100}	= 418	420

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.060
Standard deviation	= 0.258
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1960	Apr. 5	3.12	188	1965	Mar. 28	2.18	80	1970	Mar. 21	3.47	245
1961	Apr. 15	4.05	307	1966	Feb. 28	2.54	117	1971	Apr. 30	1.88	57
1962	May 1	1.49	47	1967	Sept. 2	1.85	55	1972	Jan. 13	2.36	75
1963	June 24	2.54	117	1968	Apr. 27	2.22	86	1973	Apr. 1	3.21	176
1964	Feb. 18	1.97	100	1969	Sept.21	1.71	44	1974	Apr. 5	2.62	96

02316000 ALAPAHA RIVER NEAR ALAPAHA, GA.

LOCATION.--Lat 31°23'03", long 83°11'33", Berrien County, near right bank on downstream side of bridge on State Highway 50, 2 mi east of Alapaha, and 6 mi upstream from Willacoochee River.

DRAINAGE AREA.--663 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 209.34 ft above mean sea level. Prior to Sept. 8, 1943, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 12,000 ft^3/s. Bankfull stage and discharge, 11 ft and 2,400 ft^3/s.

HISTORICAL DATA.--Flood stage of April 1928 based on information furnished by the Georgia Department of Transportation. The 1928 flood is thought to have been the highest since at least 1900, based on information from nearby stations.

FLOOD-FREQUENCY DATA (ft^3/s)
38 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 3,620	3,680
Q_5	= 6,500	6,640
Q_{10}	= 8,670	8,840
Q_{25}	= 11,700	11,900
Q_{50}	= 14,000	14,400
Q_{100}	= 16,500	17,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.546
Standard deviation	= 0.313
Station skew	= -0.272
Regional or weighted skew	= -0.248

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1928	Apr. -	18.0	a16,000	1950	Mar. 22	8.9	1,130	1963	June 5	11.2	2,440
1938	Apr. 15	8.6	1,060	1951	Apr. 3	10.8	2,220	1964	Mar. 8	14.9	7,800
1939	Mar. 3	15.3	9,220	1952	Dec. 25	10.9	2,300	1965	Feb. 20	13.8	5,900
1940	Feb. 25	10.8	2,290	1953	Apr. 20	10.7	2,140	1966	Mar. 8	15.39	9,380
1941	Mar. 25	9.5	1,450	1954	Jan. 1	11.7	3,160	1967	Jan. 16	12.71	4,200
1942	Jan. 9	12.9	4,960	1955	Apr. 17	8.2	890	1968	Mar. 16	7.58	681
1943	Mar. 26	11.3	2,700	1956	Feb. 22	11.0	2,400	1969	Aug. 25	10.69	2,040
1944	Apr. 23	15.0	8,620	1957	Apr. 12	11.1	2,400	1970	Apr. 5	14.88	7,380
1945	July 22	11.5	2,920	1958	Apr. 16	12.6	4,360	1971	Mar. 9	14.20	6,160
1946	Jan. 23	11.6	3,040	1959	Mar. 10	13.4	5,620	1972	Jan. 18	12.64	3,970
1947	Apr. 21	13.7	6,160	1960	Apr. 8	15.6	8,860	1973	Apr. 5	14.27	6,290
1948	Apr. 4	16.8	a12,700	1961	Apr. 18	14.7	7,060	1974	Apr. 8	12.44	3,850
1949	Dec. 25	12.0	3,520	1962	Apr. 6	10.5	1,920				

02316200 WILLACOOCHEE RIVER NEAR OCILLA, GA.

LOCATION.--Lat 31°30'06", long 83°09'43", Irwin County, at State Highway 90, 8 mi southeast of Ocilla.

DRAINAGE AREA.--90 mi^2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 235.8 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,800 ft^3/s. Bankfull stage and discharge, 6 ft and 500 ft^3/s.

HISTORICAL DATA.--Flood stage of 1948 based on information furnished by local resident.

FLOOD-FREQUENCY DATA (ft^3/s)
25 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	1,130	1,160
Q_5	2,050	2,100
Q_{10}	2,760	2,810
Q_{25}	3,760	3,810
Q_{50}	4,570	4,650
Q_{100}	5,420	5,540

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.042
Standard deviation	= 0.318
Station skew	= -0.012
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1948	Apr. -	11.9	(b)	1958	Apr. 10	6.20	760	1967	Jan. 4	7.79	2,260
1950	Mar. 15	5.46	295	1959	Mar. 7	7.83	2,270	1968	Mar. 12	5.52	330
1951	Mar. -	6.51	770	1960	Apr. 4	7.98	2,550	1969	Sept.22	6.98	1,370
1952	Mar. 26	6.35	710	1961	Apr. 16	8.99	4,050	1970	Aug. 28	8.71	2,900
1953	Sept.29	6.45	910	1962	Apr. 1	6.28	830	1971	Mar. 5	6.70	1,000
1954	Jan. 1	5.78	485	1963	June 24	6.46	950	1972	Feb. 4	7.43	1,810
1955	Apr. 19	5.83	485	1964	Mar. 8	7.61	2,010	1973	Apr. 2	8.48	2,700
1956	Feb. 21	5.87	550	1965	Feb. 20	6.75	1,190	1974	Feb. 19	6.47	966
1957	Apr. 12	5.78	485	1966	Mar. 5	7.99	2,540				

02316220 LITTLE BRUSHY CREEK NEAR OCILLA, GA.

LOCATION.--Lat 31°36'30", long 83°13'56", Irwin County, at culvert on secondary road 1533, 1.2 mi northeast of Ocilla.

DRAINAGE AREA.--1.65 mi^2.

GAGE.--Flood-stage recorder prior to Nov. 28, 1967; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 139 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	73	79
Q_5	137	147
Q_{10}	188	200
Q_{25}	261	276
Q_{50}	322	366
Q_{100}	388	402

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 1.850
Standard deviation	= 0.338
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1966	Feb. 28	2.25	88	1969	Sept.21	1.72	33	1972	Jan. 13	1.89	63
1967	Aug. 11	2.15	76	1970	Mar. 21	2.57	122	1973	Apr. 1	3.12	188
1968	Dec. 11	1.35	20	1971	Apr. 30	1.59	43	1974	Apr. 5	1.79	61

02316260 ALAPAHA RIVER TRIBUTARY NO. 4 NEAR WILLACOOCHEE, GA.

LOCATION.--Lat 31°16'50", long 83°03'45", Berrien County, at culvert on State Highway 135, 4.5 mi south of Willacoochee.

DRAINAGE AREA.--4.16 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 330 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 188	193
Q_5	= 312	322
Q_{10}	= 402	415
Q_{25}	= 523	540
Q_{50}	= 617	637
Q_{100}	= 712	734

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.140
Standard deviation	= 0.462
Station skew	= 1.799
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Dec. 4	8.61	1,000	1969	Sept.21	3.75	83	1972	Mar. 3	4.23	113
1966	May 26	4.90	212	1970	Mar. 28	4.40	147	1973	Apr. 26	5.02	223
1967	Jan. 1	4.30	135	1971	July 31	4.93	210	1974	Sept. 8	4.62	163
1968	-	-	d10								

02317500 ALAPAHA RIVER AT STATENVILLE, GA.

LOCATION.--Lat 30°42'14", long 83°02'00", Echols County, at downstream side of left bank pier of bridge on State Highway 94, 0.2 mi west of Statenville.

DRAINAGE AREA.--1,400 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 76.77 ft above mean sea level (levels by Georgia Department of Transportation). Dec. 10, 1931, to Nov. 30, 1949, nonrecording gage at site 200 ft upstream at present datum, and Dec. 1, 1949, to Nov. 22, 1952, nonrecording gage at present site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 25,000 ft^3/s. Bankfull stage and discharge, 24 ft and 6,500 ft^3/s.

HISTORICAL DATA.--The flood of April 1948 was the highest since 1862, from information furnished in 1948 by a local resident. Local residents also stated in 1946 that the flood of May 1928 was the highest since 1900. Flood stage of 1928 based on information furnished by local resident.

REMARKS.--Peak discharges for 1929-31 estimated from records obtained at Mayday, Ga., 11 mi upstream where the drainage area is 1,300 mi^2.

FLOOD-FREQUENCY DATA (ft^3/s)
47 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 5,060	-
Q_5	= 9,110	-
Q_{10}	= 12,300	-
Q_{25}	= 16,700	-
Q_{50}	= 20,400	-
Q_{100}	= 24,200	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.696
Standard deviation	= 0.310
Station skew	= -0.146
Regional or weighted skew	= -0.146

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1928	May 1	28.5	18,400	1944	Apr. 27	26.8	11,100	1960	Apr. 11	27.8	15,000
1929	Mar. 22	-	14,200	1945	Aug. 25	22.8	6,630	1961	Apr. 24	27.0	12,000
1930	Oct. 9	-	5,630	1946	Jan. 30	17.2	4,160	1962	Apr. 11	15.9	3,790
1931	May 19	-	3,370	1947	Apr. 28	22.4	5,990	1963	Feb. 26	11.1	2,380
1932	Aug. 30	11.6	2,740	1948	Apr. 6	29.8	a27,300	1964	Mar. 9	26.4	10,200
1933	Feb. 22	21.8	6,140	1949	Dec. 10	19.5	4,980	1965	Mar. 2	26.1	9,600
1934	June 4	10.8	2,420	1950	Apr. 5	8.7	1,740	1966	Mar. 14	27.1	12,300
1935	Sept. 6	14.6	3,440	1951	Apr. 5	14.9	3,480	1967	Jan. 17	23.55	6,420
1936	Feb. 19	18.5	4,900	1952	Mar. 13	14.5	3,360	1968	Mar. 20	5.86	1,000
1937	Apr. 14	22.8	6,560	1953	Sept.30	16.9	4,100	1969	Sept. 3	12.20	2,690
1938	Sept.30	6.4	1,130	1954	Jan. 9	16.6	4,010	1970	Apr. 13	25.10	7,800
1939	Mar. 9	26.4	10,500	1955	Apr. 23	7.1	1,320	1971	Mar. 18	20.94	5,480
1940	Feb. 28	11.7	2,630	1956	May 8	19.7	4,450	1972	Feb. 15	22.96	6,190
1941	Mar. 21	9.4	1,910	1957	June 14	13.1	2,940	1973	Apr. 11	27.42	13,500
1942	Mar. 23	22.3	6,370	1958	Apr. 22	25.2	7,950	1974	Sept.11	18.63	4,670
1943	Apr. 4	12.2	2,700	1959	Mar. 17	26.3	10,000				

02317630 ALAPAHA RIVER NEAR JASPER, FLA.

LOCATION.--Lat 30°31'42", long 83°02'17", in SE¼ sec. 32, T. 2 N., R. 13 E., Hamilton County, at bridge on U.S. Highway 41, 5.4 mi west of Jasper, and 11 mi upstream from mouth.

DRAINAGE AREA.--1,720 mi2, approximately.

GAGE.--Crest-stage gage. Datum of gage is at mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1948	Apr. 6	-	24,600	1969	Sept.25	60.15	2,390	1972	Feb. 17	68.55	6,730
1966	Mar. 15	72.58	11,400	1970	Apr. 14	69.58	7,700	1973	Apr. 5	75.65	20,600
1967	Jan. 5	68.20	6,460	1971	May 10	65.09	5,000	1974	Sept.17	66.07	5,040

02317700 WITHLACOOCHEE RIVER NEAR NASHVILLE, GA.

LOCATION.--Lat 31°11'54", long 83°16'21", Berrien County, at State Highway 87, 1.5 mi southwest of Nashville.

DRAINAGE AREA.--132 mi2.

GAGE.--Crest-stage gage. Datum of gage is 182.9 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 4,700 ft3/s. Bankfull stage and discharge, 8 ft and 600 ft3/s.

HISTORICAL DATA.--Flood stage of April 1948 based on information furnished by Georgia Department of Transportation.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 1,610	1,620
Q_5	= 3,030	3,020
Q_{10}	= 4,150	4,090
Q_{25}	= 5,740	5,560
Q_{50}	= 7,040	6,850
Q_{100}	= 8,420	8,220

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.197
Standard deviation	= 0.334
Station skew	= -0.503
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1948	Apr. -	14.8	(b)	1959	Mar. 8	11.51	4,350	1967	Jan. 5	10.00	2,500
1951	Apr. 1	9.03	1,260	1960	Apr. 5	10.82	3,460	1968	Mar. 12	7.77	481
1952	Feb. 18	7.87	580	1961	Apr. 16	11.10	3,850	1969	Aug. 22	9.18	1,420
1953	Sept.30	9.98	2,500	1962	Apr. 1	9.18	1,460	1970	June 2	10.06	2,580
1954	Dec. 27	8.05	620	1963	June 24	7.41	390	1971	Sept. 1	9.66	2,030
1955	Apr. 15	7.33	365	1964	Mar. 4	11.15	3,980	1972	Feb. 7	9.61	1,960
1956	May 8	9.55	1,900	1965	Dec. 5	11.86	4,830	1973	Feb. 10	9.75	2,160
1957	June 11	8.37	830	1966	Mar. 4	9.63	1,990	1974	Feb. 20	8.68	964
1958	Mar. 14	9.53	1,780								

02317710 WITHLACOOCHEE RIVER TRIBUTARY NEAR NASHVILLE, GA.

LOCATION.--Lat 31°11'54", long 83°17'17", Berrien County, at culvert on State Highway 76, 2.2 mi southwest of Nashville.

DRAINAGE AREA.--0.86 mi2.

GAGE.--Crest-stage gage prior to July 8, 1965; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 124 ft3/s and extended above on basis of culvert and flow-over-roadway computations.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 66	69
Q_5	= 121	125
Q_{10}	= 164	169
Q_{25}	= 224	229
Q_{50}	= 272	276
Q_{100}	= 324	327

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 1.809
Standard deviation	= 0.322
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1960	Apr. 5	2.74	65	1965	Dec. 4	7.80	385	1970	Aug. 10	2.33	49
1961	Apr. 15	4.62	155	1966	Mar. 4	2.95	74	1971	Aug. 29	4.68	161
1962	Apr. 1	1.42	17	1967	Oct. 10	1.78	29	1972	Feb. 7	2.06	38
1963	Jan. 21	1.42	17	1968	-	-	d15	1973	July 28	3.23	86
1964	Mar. 3	1.87	32	1969	Mar. 18	1.61	23	1974	Jan. 1	3.61	104

02317730 NEW RIVER TRIBUTARY NEAR NASHVILLE, GA.

LOCATION.--Lat 31°17'18", long 83°20'36", Berrien County, at culvert on State Highway 125, 9 mi northwest of Nashville.

DRAINAGE AREA.--0.95 mi^2.

GAGE.--Crest-stage gage prior to July 8, 1965; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 96 ft^3/s and extended above on basis of culvert computations.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 =	78	81
Q_5 =	129	137
Q_{10} =	166	177
Q_{25} =	215	232
Q_{50} =	254	274
Q_{100} =	293	316

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 1.882
Standard deviation	= 0.269
Station skew	= 0.713
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1960	Apr. 5	1.98	108	1965	Dec. 4	3.32	250	1970	Aug. 10	2.50	158
1961	Apr. 15	2.07	116	1966	Mar. 4	1.76	88	1971	Apr. 30	1.51	68
1962	Apr. 1	1.27	50	1967	Jan. 1	1.26	49	1972	Jan. 13	1.57	73
1963	June 24	1.33	54	1968	-	-	d36	1973	Feb. 10	1.93	103
1964	May 2	1.93	103	1969	Mar. 18	1.25	48	1974	Sept. 8	1.65	79

02317760 LITTLE RIVER NEAR ASHBURN, GA.

LOCATION.--Lat 31°41'33", long 83°42'16", Turner County, at culvert on State Highway 32, 3.2 mi west of Ashburn.

DRAINAGE AREA.--8.54 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 461 ft^3/s.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 =	346	346
Q_5 =	530	538
Q_{10} =	655	670
Q_{25} =	817	841
Q_{50} =	939	970
Q_{100} =	1,050	1,090

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.531
Standard deviation	= 0.227
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Feb. 17	4.12	197	1969	May 19	4.51	456	1972	Mar. 31	3.95	190
1966	Mar. 4	4.87	517	1970	Mar. 31	4.74	608	1973	Apr. 27	4.13	295
1967	Jan. 1	4.62	376	1971	Mar. 3	4.99	780	1974	Feb. 7	4.08	248
1968	Mar. 12	2.75	d31								

02317765 NEWELL BRANCH NEAR WORTH, GA.

LOCATION.--Lat 31°44'20", long 83°42'30", Turner County, at culvert on secondary road 1531, 3.2 mi west of Worth.

DRAINAGE AREA.--0.98 mi^2.

GAGE.--Flood-stage, rainfall recorder prior to July 2, 1965; crest-stage gage July 2, 1965, to June 6, 1967; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 225 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 64	68
Q_5	= 120	126
Q_{10}	= 164	170
Q_{25}	= 227	234
Q_{50}	= 278	284
Q_{100}	= 334	339

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 1.795
Standard deviation	= 0.334
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 20	1.56	49	1969	Aug. 4	3.71	218	1972	Mar. 30	1.72	34
1966	Mar. 4	1.72	59	1970	Mar. 30	2.48	88	1973	June 28	2.46	86
1967	Jan. 10	1.65	54	1971	Mar. 3	4.59	279	1974	Mar. 29	2.01	55
1968	-	-	d30								

02317770 NEWELL BRANCH NEAR ASHBURN, GA.

LOCATION.--Lat 31°41'50", long 83°41'56", Turner County, at culvert on State Highway 32, 2.8 mi west of Ashburn.

DRAINAGE AREA.--6.48 mi^2.

GAGE.--Flood-stage recorder prior to July 26, 1967; flood-stage, rainfall recoder after Sept. 13, 1967.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 325 ft^3/s.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 255	260
Q_5	= 391	406
Q_{10}	= 485	506
Q_{25}	= 605	636
Q_{50}	= 696	733
Q_{100}	= 788	823

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.399
Standard deviation	= 0.228
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 20	4.57	266	1969	Aug. 4	4.88	380	1972	Mar. 31	3.99	128
1966	Mar. 4	5.04	367	1970	Aug. 24	4.73	322	1973	Apr. 26	4.45	310
1967	Jan. 10	4.80	314	1971	Mar. 3	4.55	260	1974	Feb. 16	4.03	160
1968	Mar. 12	2.76	d17								

02317775 DANIELS CREEK NEAR ASHBURN, GA.

LOCATION.--Lat 31°40'40", long 83°45'06", Turner County, at culvert on State Highway 32, 6.2 mi west of Ashburn.

DRAINAGE AREA.--1.11 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 96 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 =	100	101
Q_5 =	166	168
Q_{10} =	214	216
Q_{25} =	278	281
Q_{50} =	328	331
Q_{100} =	380	383

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 1.991
Standard deviation	= 0.270
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 20	1.93	75	1969	Aug. 2	1.90	72	1972	June 25	1.61	46
1966	Mar. 4	2.75	151	1970	June 4	2.51	127	1973	Apr. 26	2.24	103
1967	Jan. 1	2.84	159	1971	July 2	1.90	72	1974	Feb. 7	1.73	57
1968	Mar. 11	1.11	d11								

02317780 LIME SINK CREEK NEAR SYCAMORE, GA.

LOCATION.--Lat 31°36'20", long 83°40'31", Turner County, at culvert on secondary road 1181, 4.5 mi southwest of Sycamore.

DRAINAGE AREA.--0.68 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 87 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 =	94	92
Q_5 =	156	152
Q_{10} =	200	196
Q_{25} =	260	254
Q_{50} =	306	300
Q_{100} =	353	347

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 1.964
Standard deviation	= 0.268
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Dec. 25	3.48	102	1969	Aug. 23	1.87	29	1972	Jan. 13	1.82	27
1966	Mar. 4	4.29	144	1970	May 28	3.82	119	1973	Apr. 7	4.30	145
1967	Jan. 1	2.69	62	1971	July 4	3.15	86	1974	Apr. 4	3.40	98
1968	Mar. 11	1.55	18								

02317795 MILL CREEK NEAR TIFTON, GA.

LOCATION.--Lat 31°29'46", long 83°33'15", Tift County, at culvert on county road, 3 mi northwest of Tifton.

DRAINAGE AREA.--6.21 mi2.

GAGE.--Flood-stage recorder prior to June 29, 1965; June 29, 1965, to Aug. 22, 1968, crest-stage gage; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 450 ft3/s and extended above on basis of culvert computations.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 302	300
Q_5 = 550	541
Q_{10} = 742	725
Q_{25} = 1,010	979
Q_{50} = 1,230	1,200
Q_{100} = 1,460	1,420

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.469
Standard deviation	= 0.319
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 2	5.04	232	1969	Mar. 18	5.03	229	1972	Feb. 3	4.94	206
1966	Feb. 28	6.12	712	1970	Mar. 21	6.22	796	1973	Feb. 2	6.27	836
1967	Feb. 7	4.62	144	1971	Apr. 30	4.67	153	1974	Apr. 5	5.52	398
1968	July 10	3.78	55								

02317800 LITTLE RIVER NEAR TIFTON, GA.

LOCATION.--Lat 31°26'21", long 83°33'39", Tift County, at U.S. Highway 82, 3 mi west of Tifton.

DRAINAGE AREA.--145 mi2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 251.5 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,580 ft3/s. Bankfull stage and discharge, 7 ft and 900 ft3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
23 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 1,500	1,540
Q_5 = 2,560	2,660
Q_{10} = 3,350	3,490
Q_{25} = 4,410	4,600
Q_{50} = 5,250	5,530
Q_{100} = 6,120	6,530

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.167
Standard deviation	= 0.284
Station skew	= -0.084
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Mar. 30	7.43	950	1959	Mar. 8	9.05	2,930	1967	Jan. 4	8.34	2,600
1952	Feb. 28	7.05	d640	1960	Apr. 5	9.78	3,470	1968	-	-	d700
1953	Sept.30	7.52	1,030	1961	Apr. 16	9.89	3,630	1969	-	-	d700
1954	Dec. 27	7.30	870	1962	Apr. 1	6.96	740	1970	Aug. 27	8.24	2,200
1955	Apr. 14	6.73	d460	1963	June 24	7.81	1,800	1971	Sept. 2	7.19	970
1956	Mar. 17	7.23	790	1964	Mar. 5	8.62	2,950	1972	Jan. 14	7.71	1,590
1957	Apr. 9	7.32	1,080	1965	Feb. 17	8.20	1,790	1973	Apr. 4	9.10	3,500
1958	Apr. 11	8.07	1,670	1966	Mar. 6	9.18	3,600				

02317810 LITTLE RIVER TRIBUTARY NO. 2 NEAR TIFTON, GA.

LOCATION.—Lat 31°25'30", long 83°34'23", Tift County, at culvert on secondary road 546, 4 mi southwest of Tifton.

DRAINAGE AREA.—0.47 mi².

GAGE.—Flood-stage recorder prior to April 17, 1967; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 25 ft³/s and extended above on basis of culvert computations.

FLOOD-FREQUENCY DATA (ft³/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 46	51
Q_5	= 66	78
Q_{10}	= 80	98
Q_{25}	= 97	125
Q_{50}	= 109	143
Q_{100}	= 121	161

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 1.656
Standard deviation	= 0.196
Station skew	= -0.738
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft³/s)	Water year	Date	Gage height (ft)	Discharge (ft³/s)	Water year	Date	Gage height (ft)	Discharge (ft³/s)
1965	Mar. 28	2.46	64	1969	July 22	1.43	25	1972	Jan. 13	2.51	66
1966	Feb. 28	2.23	55	1970	Mar. 21	2.80	78	1973	Feb. 2	1.72	35
1967	Jan. 2	1.23	19	1971	Apr. 30	2.79	78	1974	Apr. 5	1.90	42
1968	-	-	d16								

02317830 LITTLE RIVER NEAR LENOX, GA.

LOCATION.—Lat 31°15'15", long 83°30'32", Cook County, at county highway bridge, 2.5 mi west of Lenox.

DRAINAGE AREA.—208 mi², approximately.

GAGE.—Water-stage recorder prior to Oct. 1, 1971; crest-stage gage thereafter. Datum of gage is 196.68 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 2,140 ft³/s. Bankfull stage and discharge, 10 ft and 800 ft³/s.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft³/s)	Water year	Date	Gage height (ft)	Discharge (ft³/s)	Water year	Date	Gage height (ft)	Discharge (ft³/s)
1968	Mar. 17	8.37	376	1971	July 7	12.02	1,960	1973	Apr. 6	14.05	-
1969	Mar. 20	10.94	956	1972	Jan. 14	12.38	2,410	1974	Apr. 6	12.42	2,490
1970	Apr. 3	12.39	2,450								

02317840 WARRIOR CREEK NEAR SYLVESTER, GA.

LOCATION.—Lat 31°33'10", long 83°48'53", Worth County, at State Highway 112, 1.8 mi northeast of Sylvester.

DRAINAGE AREA.—8.24 mi².

GAGE.—Crest-stage gage prior to Mar. 14, 1968; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 800 ft³/s.

FLOOD-FREQUENCY DATA (ft³/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 292	304
Q_5	= 460	497
Q_{10}	= 578	637
Q_{25}	= 733	823
Q_{50}	= 850	972
Q_{100}	= 970	1,130

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.457
Standard deviation	= 0.243
Station skew	= 1.954
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft³/s)	Water year	Date	Gage height (ft)	Discharge (ft³/s)	Water year	Date	Gage height (ft)	Discharge (ft³/s)
1965	Dec. 25	6.03	388	1969	Mar. 18	4.02	179	1972	June 25	3.92	162
1966	Mar. 4	6.83	1,160	1970	May 30	5.90	364	1973	Apr. 3	4.47	243
1967	Jan. 2	4.44	240	1971	Apr. 30	4.42	237	1974	Apr. 4	4.39	234
1968	Mar. 11	4.44	240								

02317845 WARRIOR CREEK TRIBUTARY NEAR SYLVESTER, GA.

LOCATION.--Lat 31°32'54", long 83°49'11", Worth County, at culvert on State Highway 112, 1.2 mi northeast of Sylvester.

DRAINAGE AREA.--1.64 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 120 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	175	168
Q_5	266	260
Q_{10}	328	322
Q_{25}	408	403
Q_{50}	467	464
Q_{100}	527	526

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	2.236
Standard deviation	0.223
Station skew	-
Regional or weighted skew	-0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Dec. 25	3.35	264	1969	Sept.21	2.15	86	1972	Jan. 30	2.25	100
1966	Mar. 4	3.30	255	1970	Aug. 26	3.28	252	1973	Apr. 7	3.07	217
1967	Feb. 7	2.40	119	1971	Apr. 30	2.33	110	1974	Sept. 6	2.75	166
1968	Mar. 11	2.47	128								

02317870 WARRIOR CREEK NEAR SUMNER, GA.

LOCATION.--Lat 31°21'45", long 83°46'11", Worth County, at county road, 10.8 mi south of Sumner.

DRAINAGE AREA.--109 mi^2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 256.6 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,100 ft^3/s. Bankfull stage and discharge, 11 ft and 800 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	2,350	2,050
Q_5	3,650	3,260
Q_{10}	4,560	4,070
Q_{25}	5,720	5,140
Q_{50}	6,600	6,110
Q_{100}	7,490	7,140

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.364
Standard deviation	0.234
Station skew	-0.903
Regional or weighted skew	-0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1966	Mar. 5	13.51	3,020	1969	Mar. 19	11.98	1,380	1972	Jan. 14	13.14	2,520
1967	Jan. 4	12.34	1,710	1970	Aug. 10	14.36	4,450	1973	Apr. 27	13.78	3,390
1968	Mar. 12	11.09	805	1971	Mar. 27	13.90	3,640	1974	Apr. 6	13.01	2,360

02317890 LITTLE CREEK NEAR SYLVESTER, GA.

LOCATION.--Lat 31°36'48", long 83°45'29", Worth County, at culvert on State Highway 112, 7.5 mi northwest of Sylvester.

DRAINAGE AREA.--0.39 mi2.

GAGE.--Flood-stage recorder prior to Mar. 14, 1968; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 87 ft3/s and extended above on basis of culvert computations.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	59	58
Q_5	91	93
Q_{10}	112	116
Q_{25}	140	148
Q_{50}	161	172
Q_{100}	182	195

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 1.764
Standard deviation	= 0.228
Station skew	= -1.072
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Dec. 25	2.10	39	1969	May 18	2.02	43	1972	June 25	1.59	14
1966	Mar. 4	3.04	137	1970	June 4	2.36	88	1973	Apr. 7	2.34	86
1967	Aug. 20	2.30	82	1971	July 2	2.29	81	1974	Apr. 4	2.02	43
1968	-	-	d6								

02317900 TY TY CREEK AT TY TY, GA.

LOCATION.--Lat 31°28'22", long 83°39'47", Tift County, at U.S. Highway 82, 1 mi west of Ty Ty.

DRAINAGE AREA.--47 mi2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 289.26 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,840 ft3/s. Bankfull stage and discharge, 4.5 ft and 250 ft3/s.

HISTORICAL DATA.--Flood stage of April 1948 based on information furnished by Georgia Department of Transportation.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	745	768
Q_5	1,240	1,300
Q_{10}	1,610	1,700
Q_{25}	2,100	2,310
Q_{50}	2,480	2,650
Q_{100}	2,870	3,100

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.863
Standard deviation	= 0.273
Station skew	= -0.187
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1948	Apr. -	9.3	(b)	1959	Mar. 8	6.62	1,330	1967	Jan. 4	5.37	538
1951	Mar. 30	5.05	405	1960	Apr. 5	6.97	1,670	1968	Mar. 12	4.33	218
1952	Dec. 22	5.68	690	1961	Apr. 16	7.32	1,880	1969	Mar. 19	4.82	351
1953	Sept.30	5.57	640	1962	Apr. 1	4.84	360	1970	Aug. 28	5.85	778
1954	Dec. 31	4.50	260	1963	June 24	5.87	770	1971	Mar. 27	5.61	645
1955	May 25	4.80	345	1964	Feb. 18	6.25	1,040	1972	Jan. 14	5.94	824
1956	Feb. 17	5.17	475	1965	Dec. 27	6.39	1,160	1973	Apr. 27	7.30	1,880
1957	Apr. 9	5.84	740	1966	Mar. 6	6.87	1,500	1974	Apr. 5	6.77	1,490
1958	Apr. 11	6.13	930								

02317905 LITTLE CREEK NEAR OMEGA, GA.

LOCATION.--Lat 31°23'35", long 83°38'00", Tift County, at secondary road 546, 4.2 mi north of Omega.

DRAINAGE AREA.--4.22 mi^2.

GAGE.--Crest-stage gage prior to June 6, 1967; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 420 ft^3/s.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	315	301
Q_5 =	546	521
Q_{10} =	718	682
Q_{25} =	954	902
Q_{50} =	1,140	1,080
Q_{100} =	1,330	1,270

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.489
Standard deviation	=	0.292
Station skew	=	-
Regional or weighted skew	=	-0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 28	4.66	524	1969	Mar. 24	3.97	184	1972	Jan. 13	4.76	564
1966	Feb. 28	4.30	380	1970	Mar. 21	5.09	725	1973	Feb. 2	4.45	440
1967	Jan. 3	3.48	172	1971	Apr. 30	4.96	660	1974	Apr. 5	4.16	333
1968	July 11	3.16	71								

02317910 TY TY CREEK TRIBUTARY AT CROSLAND, GA.

LOCATION.--Lat 31°19'17", long 83°37'24", Colquitt County, at culvert on U.S. Highway 319, at Crosland.

DRAINAGE AREA.--2.07 mi^2.

GAGE.--Crest-stage gage prior to July 7, 1965; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 362 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	200	193
Q_5 =	314	305
Q_{10} =	393	383
Q_{25} =	497	486
Q_{50} =	575	566
Q_{100} =	653	646

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.293
Standard deviation	=	0.240
Station skew	=	-
Regional or weighted skew	=	-0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1960	Apr. 5	3.76	242	1965	Dec. 4	4.05	273	1970	Aug. 10	3.70	238
1961	Apr. 15	5.12	400	1966	May 17	4.23	294	1971	May 12	3.79	247
1962	Apr. 1	1.90	85	1967	Jan. 1	1.99	90	1972	Feb. 3	3.27	198
1963	Feb. 12	1.83	81	1968	Mar. 10	2.38	120	1973	Apr. 3	3.32	203
1964	Apr. 7	3.40	210	1969	Mar. 18	1.94	87	1974	Apr. 5	3.67	235

02317980 LITTLE RIVER NEAR SPARKS, GA.

LOCATION.--Lat 31°11'34", long 83°31'22", Cook County, at proposed bridge site on county highway, 5.5 mi west of Sparks.

DRAINAGE AREA.--555 mi2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 9,000 ft3/s and extended above on basis of records for station on Little River near Adel. Bankfull stage and discharge, 10 ft and 2,500 ft3/s.

HISTORICAL DATA.--Flood stage of April 1948 based on information furnished by the Georgia Department of Transportation. Based on records for nearby station, the April 1948 flood is thought to be the highest since 1862. Weighted frequency values are based on station values and adjusted values for station downstream on Little River near Adel (02318000).

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	5,440	4,910
Q_5	9,190	8,600
Q_{10}	11,600	11,200
Q_{25}	14,400	15,400
Q_{50}	16,900	19,700
Q_{100}	19,400	25,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.741
Standard deviation	0.307
Station skew	-0.671
Regional or weighted skew	-0.671

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1948	Apr. -	14.70	a37,500	1965	Mar. 30	11.92	6,680	1970	June 2	11.82	6,280
1961	Apr. -	13.20	15,000	1966	Mar. 9	11.92	6,680	1971	May 2	11.82	6,280
1962	Apr. 2	10.39	2,890	1967	Jan. 5	11.24	4,220	1972	Feb. 7	11.79	6,160
1963	June 27	11.61	5,440	1968	Mar. 18	-	d900	1973	Apr. 6	13.35	16,500
1964	May 4	11.88	6,520	1969	Mar. 21	10.37	2,890	1974	Feb. 9	11.79	6,160

02318000 LITTLE RIVER NEAR ADEL, GA.

LOCATION.--Lat 31°09'18", long 83°32'38", Cook County, on right bank 500 ft downstream from bridge on State Highway 37, 0.5 mi downstream from Georgia & Florida Railroad bridge, 5.5 mi upstream from Bear Creek, 6 mi downstream from Warrior Creek, and 7 mi west of Adel.

DRAINAGE AREA.--577 mi2.

GAGE.--Water-stage recorder. Datum of gage is 171.08 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 13,000 ft3/s and extended above on basis of slope-conveyance and contracted-opening studies at 38,800 ft3/s. Bankfull stage and discharge, 16 ft and 4,600 ft3/s.

HISTORICAL DATA.--Flood stage of August 1928 based on information furnished by the Georgia Department of Transportation. The August 1928 flood was, at that time, said to be the highest known to local residents since at least 1862.

REMARKS.--Minor regulation since 1961 from small dam about 0.3 mi upstream.

FLOOD-FREQUENCY DATA (ft^3/s)
33 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	4,610	4,530
Q_5	8,520	8,310
Q_{10}	11,900	11,400
Q_{25}	17,200	16,100
Q_{50}	22,000	20,600
Q_{100}	27,500	25,600

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.675
Standard deviation	0.308
Station skew	0.213
Regional or weighted skew	0.213

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1928	Aug. -	20.5	a33,200	1951	Apr. 2	15.0	3,320	1962	Apr. 4	15.22	3,440
1941	Mar. 24	11.5	1,520	1952	Dec. 25	15.8	4,360	1963	Mar. 16	15.6	3,920
1942	Jan. 6	16.7	5,900	1953	Sept.30	14.9	3,210	1964	May 4	17.25	6,950
1943	May 26	15.6	3,950	1954	Jan. 2	14.4	2,750	1965	Mar. 30	17.11	6,350
1944	Mar. 8	18.7	16,700	1955	Apr. 18	11.6	1,550	1966	Mar. 8	17.43	7,500
1945	July 22	15.3	3,670	1956	May 8	15.8	4,360	1967	Jan. 6	16.59	5,080
1946	May 24	14.6	2,920	1957	Apr. 11	13.6	2,240	1968	Mar. 18	9.63	d923
1947	Mar. 10	17.1	7,580	1958	Apr. 13	16.5	5,070	1969	Mar. 22	14.86	2,900
1948	Apr. 2	21.0	a38,800	1959	Mar. 8	17.6	9,600	1970	June 3	16.87	5,680
1949	Dec. 12	15.9	4,520	1960	Apr. 5	18.3	14,200	1971	May 3	16.95	5,850
1950	July 15	14.4	2,750	1961	Apr. 17	19.0	13,500	1973	Apr. 6	18.71	12,300

02318015 BULL CREEK NEAR NORMAN PARK, GA.

LOCATION.--Lat 31°13'13", long 83°37'20", Colquitt County, at culvert on secondary road 548, 5 mi southeast of Norman Park.

DRAINAGE AREA.--1.36 mi2.

GAGE.--Crest-stage gage prior to July 8, 1965; flood-stage recorder July 8, 1965, to Nov. 3, 1967; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 277 ft^3/s and extended above on basis of culvert computations.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	149	144
Q_5	246	239
Q_{10}	315	306
Q_{25}	408	396
Q_{50}	480	468
Q_{100}	555	543

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.164
Standard deviation	= 0.266
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	June 15	3.40	236	1969	Mar. 18	2.13	71	1972	Feb. 3	3.25	215
1966	Feb. 28	2.33	94	1970	Mar. 28	2.28	88	1973	July 18	3.85	276
1967	Jan. 3	1.97	55	1971	July 12	5.88	536	1974	Feb. 8	2.35	96
1968	Aug. 19	1.46	17								

02318020 BULL CREEK TRIBUTARY NEAR ELLENTON, GA.

LOCATION.--Lat 31°09'19", long 83°37'06", Colquitt County, at culvert on State Highway 37, 3 mi west of Ellenton.

DRAINAGE AREA.--0.27 mi2.

GAGE.--Crest-stage gage prior to July 8, 1965; flood-stage recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 90 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	88	80
Q_5	129	120
Q_{10}	157	147
Q_{25}	192	181
Q_{50}	218	207
Q_{100}	243	233

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 1.938
Standard deviation	= 0.206
Station skew	= -
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1960	Apr. 5	3.76	97	1965	Dec. 4	4.51	123	1970	Aug. 11	2.77	58
1961	Apr. 15	5.63	181	1966	May 17	4.63	130	1971	Mar. 26	4.85	138
1962	Apr. 1	1.40	18	1967	Jan. 14	1.80	27	1972	Jan. 13	4.65	130
1963	Jan. 21	2.43	47	1968	Aug. 27	1.61	22	1973	Apr. 4	3.79	98
1964	Mar. 26	3.17	74	1969	May 19	2.52	49	1974	June 9	3.70	94

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA.

LOCATION.--Lat 30°45'35", long 83°27'13", Brooks County, at bridge on U.S. Highway 84, 500 ft upstream from Tiger Creek, 800 ft downstream from Atlantic Coast Line Railroad bridge, 4 mi upstream from Piscola Creek, 6 mi east of Quitman, and 9 mi downstream from Little River.

DRAINAGE AREA.--1,480 mi2.

GAGE.--Nonrecording. Prior to October 1932 at datum 5.0 ft lower. Datum of gage is 84.30 ft above mean sea level. All gage heights converted to present datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 50,000 ft3/s. Bankfull stage and discharge, 19 ft and 7,800 ft3/s.

HISTORICAL DATA.--The August 1928 flood was reported at that time to be the highest known to the older residents of the area, dating back to 1862.

REMARKS.--Annual flood stages obtained from graphs based on twice-daily gage readings.

FLOOD-FREQUENCY DATA (ft^3/s)
18 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 6,930	-
Q_5	= 13,500	-
Q_{10}	= 19,100	-
Q_{25}	= 27,500	-
Q_{50}	= 34,700	-
Q_{100}	= 42,700	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.837
Standard deviation	= 0.349
Station skew	= -0.066
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1928	Aug. 19	31.3	a62,000	1940	Feb. 25	11.0	3,450	1946	Mar. 21	18.2	6,860
1929	Mar. 20	24.8	18,000	1941	Mar. 29	8.3	2,320	1947	Apr. 22	21.0	9,960
1930	Oct. 7	21.9	12,200	1942	Jan. 9	22.0	11,600	1948	Apr. 4	31.7	a66,000
1931	Aug. 21	9.6	2,760	1943	Mar. 11	12.5	3,730	1949	Apr. 19	16.6	5,660
1938	Nov. 21	6.1	1,380	1944	Mar. 11	25.5	21,000	1953	May 20	17.1	6,010
1939	Mar. 5	22.6	12,800	1945	July 27	21.4	10,600	1954	Oct. 1	18.0	6,700

02318600 OKAPILCO CREEK NEAR BERLIN, GA.

LOCATION.--Lat 31°02'48", long 83°37'02", Colquitt County, on county road, 1 mi south of Berlin.

DRAINAGE AREA.--101 mi2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 5,800 ft3/s. Bankfull stage and discharge, 9 ft and 900 ft3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
12 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 1,880	1,760
Q_5	= 3,620	3,260
Q_{10}	= 5,040	4,370
Q_{25}	= 7,080	5,870
Q_{50}	= 8,760	7,270
Q_{100}	= 10,600	8,810

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.262
Standard deviation	= 0.350
Station skew	= -0.532
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1963	Dec. 26	10.43	2,150	1967	Jan. 4	9.66	1,410	1971	May 2	10.94	2,730
1964	May 2	10.85	2,620	1968	Mar. 12	6.82	308	1972	Jan. 14	10.69	2,430
1965	Dec. 5	13.32	7,500	1969	Mar. 19	9.17	1,050	1973	Apr. 26	11.86	4,190
1966	Mar. 4	10.40	2,100	1970	Aug. 28	9.18	1,060	1974	Apr. 6	9.33	1,160

02319000 WITHLACOOCHEE RIVER NEAR PINETTA, FLA.

LOCATION.--Lat 30°35'43", long 83°15'35", in NW¼ sec. 7, T. 2 N., R. 11 E., Madison County, on right bank 30 ft downstream from bridge, 0.1 mi downstream from small tributary, 0.3 mi west of Bellville, 5.6 mi east of Pinetta, and 22 mi upstream from mouth.

DRAINAGE AREA.--2,120 mi2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 47.21 ft above mean sea level (levels by Corps of Engineers). Prior to Dec. 3, 1941, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 58,000 ft3/s.

HISTORICAL DATA.--Flood of April 5, 1948, is the maximum known. Flood of 1928 was the highest known flood to that time, according to local resident and was probably the highest since 1862.

FLOOD-FREQUENCY DATA (ft^3/s)
44 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	8,640	-
Q_5	16,800	-
Q_{10}	23,800	-
Q_{25}	34,400	-
Q_{50}	43,700	-
Q_{100}	54,200	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.937
Standard deviation	0.342
Station skew	0.003
Regional or weighted skew	0.003

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1928	Aug. -	36.75	a53,600	1946	Mar. 22	23.55	11,000	1961	Apr. 23	32.59	20,700
1932	June 18	14.48	5,380	1947	Apr. 24	22.82	10,300	1962	Apr. 11	20.02	8,510
1933	Feb. 24	22.79	9,820	1948	Apr. 5	38.64	a79,400	1963	Mar. 23	13.85	4,500
1934	June 12	11.92	3,270	1949	Apr. 20	17.47	6,590	1964	May 7	33.01	21,600
1935	Sept.15	22.66	9,770	1950	Mar. 24	11.66	2,970	1965	Dec. 9	35.57	34,500
1936	Feb. 15	19.72	8,240	1951	Apr. 7	15.40	5,280	1966	Mar. 10	31.52	19,000
1937	Apr. 14	28.32	14,900	1952	Mar. 5	16.03	5,870	1967	Jan. 14	19.69	8,330
1938	Nov. 20	11.43	2,900	1953	Apr. 20	18.01	7,180	1968	Mar. 21	8.98	1,320
1939	Mar. 8	22.83	10,800	1954	Oct. 6	17.45	6,800	1969	Mar. 28	15.02	5,290
1940	Feb. 20	12.92	4,000	1955	Apr. 23	10.08	1,960	1970	Apr. 4	22.25	9,880
1941	Mar. 30	10.63	2,420	1956	May 15	20.07	8,530	1971	May 10	17.59	6,920
1942	Jan. 11	24.14	11,300	1957	June 15	16.75	6,340	1972	Feb. 13	25.53	12,400
1943	Mar. 12	14.81	5,150	1958	Apr. 20	30.05	17,200	1973	Apr. 8	35.10	30,800
1944	Mar. 30	31.57	19,100	1959	Mar. 12	33.01	21,600	1974	Sept.18	18.68	7,610
1945	July 29	26.92	13,600	1960	Apr. 10	34.85	29,800				

02326200 AUCILLA RIVER NEAR BOSTON, GA.

LOCATION.--Lat 30°46'44", long 83°48'12", Thomas County, at bridge on State Highway 133, 1.2 mi south of Boston.

DRAINAGE AREA.--81 mi2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 97.08 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,700 ft3/s. Bankfull stage and discharge, 5.5 ft and 500 ft3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
13 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	900	976
Q_5	2,560	2,460
Q_{10}	4,330	3,810
Q_{25}	7,440	5,850
Q_{50}	10,400	7,840
Q_{100}	14,100	10,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	2.936
Standard deviation	0.557
Station skew	-0.123
Regional or weighted skew	-0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1962	Apr. 1	6.44	1,020	1967	July 4	6.08	964	1971	Feb. 9	4.79	156
1963	Jan. 22	5.26	334	1968	-	-	d50	1972	Jan. 14	6.83	1,480
1964	May 3	8.96	3,940	1969	Mar. 19	4.96	236	1973	Apr. 4	7.83	2,660
1965	Dec. 5	10.57	6,840	1970	Mar. 24	6.58	1,440	1974	Apr. 6	4.95	260
1966	Mar. 4	7.07	1,990								

02327200 OCHLOCKONEE RIVER AT MOULTRIE, GA.

LOCATION.--Lat 31°10'58", long 83°48'32", Colquitt County, at State Highway 37, at Moultrie.

DRAINAGE AREA.--96 mi^2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 246.04 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,000 ft^3/s and extended above on basis of records for nearby stations. Bankfull stage and discharge, 7.5 ft and 1,000 ft^3/s.

HISTORICAL DATA.--Flood stage of April 1948 from floodmarks. The flood of April 1948 was reported to be the highest in the memory of residents of the area. The 1948 flood was probably the highest since 1862, based on other stations in this area.

FLOOD-FREQUENCY DATA (ft^3/s)
25 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	1,140	1,170
Q_5	1,900	1,990
Q_{10}	2,640	2,740
Q_{25}	3,900	3,950
Q_{50}	5,160	5,150
Q_{100}	6,740	6,620

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.095
Standard deviation	0.243
Station skew	0.990
Regional or weighted skew	0.990

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1948	Apr. -	15.5	a15,000	1959	Mar. 7	9.19	2,800	1967	Jan. 4	7.17	885
1951	Mar. 30	6.92	760	1960	Apr. 5	8.17	1,550	1968	-	-	d273
1952	Dec. 29	7.71	1,190	1961	Apr. 16	9.50	3,250	1969	Sept.22	7.48	1,320
1953	Apr. 13	6.94	760	1962	Apr. 1	6.72	680	1970	Aug. 12	8.38	2,160
1954	Dec. -	6.27	520	1963	Jan. 22	7.45	1,030	1971	Mar. 26	8.42	2,200
1955	Apr. 15	6.72	680	1964	Mar. 5	7.72	1,180	1972	Feb. 4	7.35	1,220
1956	May 6	7.23	900	1965	Dec. 5	8.24	1,650	1973	Apr. 26	9.16	3,100
1957	Sept.30	7.12	850	1966	Mar. 4	7.87	1,300	1974	Feb. 8	8.05	1,830
1958	Apr. 10	7.33	950								

02327350 OCHLOCKONEE RIVER TRIBUTARY NEAR COOLIDGE, GA.

LOCATION.--Lat 31°01'33", long 83°57'32", Thomas County, at culvert on State Highway 202, 5.5 mi west of Coolidge.

DRAINAGE AREA.--1.81 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 113 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	191	189
Q_5	331	336
Q_{10}	436	445
Q_{25}	580	599
Q_{50}	694	721
Q_{100}	814	849

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	2.271
Standard deviation	0.293
Station skew	-
Regional or weighted skew	-0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Dec. 4	6.14	789	1969	Mar. 18	1.31	65	1972	Dec. 20	3.91	451
1966	Mar. 4	2.00	143	1970	Mar. 28	1.29	63	1973	May 26	3.59	393
1967	July 10	2.86	270	1971	Aug. 29	1.98	140	1974	Apr. 5	1.49	83
1968	July 11	.99	36								

02327400 SALLYS BRANCH TRIBUTARY NEAR SALE CITY, GA.

LOCATION.--Lat 31°14'46", long 84°01'40", Mitchell County, at culvert on State Highway 93, 1.2 mi south of Sale City.

DRAINAGE AREA.--3.70 mi2.

GAGE.--Flood-stage recorder prior to Nov. 3, 1967; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 227 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	276	277
Q_5	470	485
Q_{10}	614	640
Q_{25}	809	852
Q_{50}	962	1,020
Q_{100}	1,120	1,190

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.431
Standard deviation	=	0.284
Station skew	=	-
Regional or weighted skew	=	-0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1966	Feb. 28	4.53	290	1969	Mar. 18	3.68	152	1972	June 25	5.92	440
1967	June 23	5.83	858	1970	Mar. 22	3.58	110	1973	Apr. 26	5.88	440
1968	June 22	3.94	191	1971	Mar. 26	5.15	302	1974	Feb. 7	5.18	376

02327500 OCHLOCKONEE RIVE NEAR THOMASVILLE, GA.

LOCATION.--Lat 30°52'32", long 84°02'44", Thomas County, on downstream side of bridge on U.S. Highway 84, 2 mi upstream from Seaboard Coast Line Railroad bridge, 4 mi upstream from Barnetts Creek, 5 mi northwest of Thomasville, and 6 mi downstream from Little Ochlockonee River.

DRAINAGE AREA.--550 mi2, approximately.

GAGE.--Nonrecording prior to Jan. 7, 1947; water-stage recorder Jan. 7, 1947, to June 30, 1971; crest-stage gage thereafter. Datum of gage is 133.6 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 25,000 ft^3/s and extended above on basis of slope-area measurement at 72,000 ft^3/s. Bankfull stage and discharge, 9 ft and 1,200 ft^3/s.

HISTORICAL DATA.--Flood of April 1948 was reported to be the highest in the memory of residents of the area. The 1948 flood was the highest since 1862, based on other gaging stations in this area.

REMARKS.--Peak discharge for 1949 is estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
36 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	4,890	5,000
Q_5	9,390	9,820
Q_{10}	13,500	14,200
Q_{25}	20,400	21,200
Q_{50}	26,800	27,800
Q_{100}	34,500	35,600

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.708
Standard deviation	=	0.323
Station skew	=	0.341
Regional or weighted skew	=	0.341

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1937	Sept.21	17.6	9,090	1949	Apr. 14	-	3,700	1961	Apr. 17	20.8	19,200
1938	Nov. 15	9.3	1,430	1950	Mar. 17	11.9	2,090	1962	Apr. 3	15.5	4,980
1939	Mar. 3	14.0	3,240	1951	Apr. 2	13.2	2,660	1963	Jan. 23	15.6	5,140
1940	Feb. 21	10.7	1,820	1952	Mar. 27	13.8	3,080	1964	May 3	18.8	14,800
1941	Mar. 10	10.4	1,730	1953	Apr. 14	15.6	5,140	1965	Dec. 5	20.4	19,000
1942	Jan. 5	17.8	9,900	1954	Dec. 9	14.3	3,520	1966	Mar. 6	16.01	6,620
1943	Mar. 9	14.8	4,040	1955	Apr. 18	11.2	1,810	1967	Jan. 5	15.02	5,030
1944	Mar. 8	17.8	9,900	1956	May 9	15.0	4,280	1968	Mar. 16	10.17	1,350
1945	July 12	15.3	4,680	1957	June 11	14.6	3,820	1969	Mar. 22	13.84	3,590
1946	May 22	15.8	5,480	1958	Apr. 11	17.4	8,650	1970	Mar. 25	14.53	4,390
1947	Apr. 17	17.0	7,920	1959	Mar. 7	19.3	13,900	1971	Mar. 28	17.10	8,750
1948	Apr. 2	29.1	a72,000	1960	Apr. 4	18.0	10,000	1972	Jan. 14	16.20	6,960

02327550 BARNETTS CREEK NEAR MEIGS, GA.

LOCATION.--Lat 31°01'32", long 84°08'14", Grady County, at State Highway 111, 4.2 mi southwest of Meigs.

DRAINAGE AREA.--15 mi^2.

GAGE.--Crest-stage gage prior to Mar. 14, 1968; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,160 ft^3/s and extended above on basis of contracted-opening measurement at 3,620 ft^3/s.

HISTORICAL DATA.--Flood of December 1964 was the highest since 1948, based on records at nearby stations.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	606	625
Q_5	1,490	1,480
Q_{10}	2,340	2,180
Q_{25}	3,730	3,340
Q_{50}	5,010	4,400
Q_{100}	6,480	5,610

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.768
Standard deviation	= 0.477
Station skew	= 0.224
Regional or weighted skew	= -0.189

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Dec. 4	7.38	a3,620	1969	Sept.22	3.47	170	1972	Dec. 20	7.18	3,290
1966	Mar. 1	4.40	508	1970	Mar. 28	4.82	743	1973	May 27	5.25	1,040
1967	July 26	3.86	286	1971	Apr. 30	5.58	1,330	1974	Feb. 8	4.39	504
1968	-	-	d94								

02327700 BARNETTS CREEK NEAR THOMASVILLE, GA.

LOCATION.--Lat 30°54'18", long 84°04'34", Grady County, at county road, 7.5 mi northwest of Thomasville.

DRAINAGE AREA.--104 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 152.0 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 13,300 ft^3/s. Bankfull stage and discharge, 11 ft and 1,000 ft^3/s.

HISTORICAL DATA.--Flood of December 1964 was the highest since 1948, based on records at nearby stations.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	2,710	2,680
Q_5	6,330	6,100
Q_{10}	9,690	8,970
Q_{25}	15,100	13,700
Q_{50}	19,900	18,000
Q_{100}	25,400	22,900

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.418
Standard deviation	= 0.451
Station skew	= 0.266
Regional or weighted skew	= -0.188

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Mar. 30	11.3	1,150	1959	Mar. 6	16.8	8,880	1967	July 4	14.61	4,500
1952	Sept.22	11.1	1,050	1960	Apr. 4	15.0	5,000	1968	-	-	d300
1953	Apr. 7	12.7	1,940	1961	Apr. 16	16.6	8,460	1969	Sept.22	10.36	680
1954	Dec. 27	12.7	1,940	1962	Apr. 1	14.08	3,580	1970	Mar. 23	12.03	1,520
1955	Apr. -	10.5	850	1963	Jan. 21	13.11	2,360	1971	May 1	13.51	2,800
1956	May 9	11.2	1,100	1964	May 3	19.04	14,100	1972	Dec. 21	14.80	5,800
1957	June 27	13.0	2,200	1965	Dec. 5	20.4	a17,700	1973	Apr. 26	15.91	7,600
1958	Apr. 10	14.4	3,800	1966	Mar. 4	11.82	1,410	1974	Feb. 8	13.29	3,600

02327900 WOLF CREEK NEAR WHIGHAM, GA.

LOCATION.--Lat 30°53'36", long 84°17'26", Grady County, at U.S. Highway 84, 2.2 mi northeast of Whigham.

DRAINAGE AREA.--19 mi^2, approximately.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,700 ft^3/s and extended above, based on correlation of discharges with nearby stations. Undefined change in stage-discharge relation between 1958 and 1965.

HISTORICAL DATA.--Flood stage of April 1948 based on information furnished by local resident. Flood of December 1964 was highest since 1948, based on records at nearby stations.

REMARKS.--Peak discharges for 1959-60, 1962, 1964-65, 1969, and 1972-74 are estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	1,130	1,090
Q_5 =	2,320	2,200
Q_{10} =	3,340	3,060
Q_{25} =	4,870	4,470
Q_{50} =	6,170	5,680
Q_{100} =	7,600	7,010

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.039
Standard deviation	= 0.385
Station skew	= 0.192
Regional or weighted skew	= -0.190

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1948	Apr. -	15.0	(b)	1959	Mar. 6	8.23	2,100	1967	June 5	6.53	740
1951	Mar. 19	7.21	1,000	1960	Sept.26	7.47	1,800	1968	-	-	d100
1952	Nov. 15	6.72	640	1961	Apr. 16	6.79	1,110	1969	Sept.21	7.56	1,700
1953	Apr. 6	7.11	920	1962	Apr. 1	8.25	2,200	1970	Feb. 3	7.03	1,440
1954	Dec. 6	7.04	840	1963	Jan. 21	6.71	994	1971	Mar. 26	6.01	353
1955	Sept. 9	7.07	920	1964	May 2	9.32	5,000	1972	Dec. 21	6.85	900
1956	May 7	6.29	410	1965	Dec. 4	10.07	a7,500	1973	Apr. 26	8.59	3,000
1957	Sept.29	5.85	240	1966	Mar. 4	6.90	1,260	1974	June 10	7.49	1,600
1958	Apr. 15	7.90	1,650								

02328000 TIRED CREEK NEAR CAIRO, GA.

LOCATION.--Lat 30°51'54", long 84°15'46", Grady County, 140 ft upstream from highway bridge, and 3 mi west of Cairo.

DRAINAGE AREA.--60 mi^2, approximately.

GAGE.--Water-stage recorder prior to June 30, 1971; crest-stage gage thereafter. Datum of gage is 159.0 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 5,400 ft^3/s and extended above on basis of contracted-opening measurement at 18,200 ft^3/s and slope-area measurement at 28,100 ft^3/s. Bankfull stage and discharge, 6.0 ft and 500 ft^3/s.

HISTORICAL DATA.--Flood of 1948 was reported to be the highest in memory of residents of the area. The 1948 flood was the highest since 1862, based on other gaging stations in this area.

FLOOD-FREQUENCY DATA (ft^3/s)
31 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	2,300	2,240
Q_5 =	4,770	4,580
Q_{10} =	6,730	6,320
Q_{25} =	9,430	8,930
Q_{50} =	11,500	11,000
Q_{100} =	13,700	13,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.329
Standard deviation	= 0.408
Station skew	= -0.468
Regional or weighted skew	= -0.468

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1944	Mar. 7	9.2	4,640	1955	Sept. 2	6.47	836	1965	Dec. 4	14.6	a18,200
1945	Apr. 23	8.3	3,100	1956	July 16	6.30	630	1966	Mar. 5	7.39	1,560
1946	Mar. 17	10.5	7,310	1957	Sept.30	6.23	662	1967	Jan. 3	6.84	982
1947	Apr. 16	8.2	2,940	1958	Apr. 15	8.05	2,820	1968	May 30	4.16	122
1948	Apr. 1	16.3	a28,100	1959	Mar. 6	9.4	5,010	1969	Sept.21	8.30	2,940
1949	Apr. 12	7.38	1,850	1960	Apr. 2	8.83	4,010	1970	Aug. 11	8.22	2,800
1950	July 7	7.30	1,730	1961	Apr. 13	7.28	1,620	1971	Mar. 27	7.10	1,220
1951	Mar. 19	7.27	1,670	1962	Mar. 31	9.6	5,390	1972	June 23	7.80	2,130
1952	Nov. 16	6.57	928	1963	Jan. 21	7.80	2,280	1973	Apr. 26	10.09	6,400
1953	Apr. 7	7.53	1,940	1964	May 2	13.0	12,400	1974	June 10	7.75	2,060
1954	Dec. 7	7.08	1,370								

02329000 OCHLOCKONEE RIVER NEAR HAVANA, FLA.

LOCATION.--Lat 30°33'14", long 84°23'03", in SE¼ sec. 24, T. 2 N., R. 2 W., Leon County, near left bank on downstream side of bridge on divided U.S. Highway 27, 0.8 mi upstream from Seaboard Coast Line Railroad bridge, 4 mi downstream from Mill Creek, 5 mi southeast of Havana, and 94 mi upstream from mouth.

DRAINAGE AREA.--1,140 mi^2, approximately. At site used prior to January 1929, 1,220 mi^2, approximately.

GAGE.--Nonrecording gage. Datum of gage is 59.36 ft above mean sea level, unadjusted. Prior to Jan. 1, 1930, nonrecording gage at site about 10 mi downstream at datum 0.36 ft lower. Dec. 12, 1929, to Nov. 17, 1963, at site 100 ft upstream at present datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

HISTORICAL DATA.--Flood of 1948 was reported to be the highest in memory of residents of the area, and was probably the highest since 1862.

FLOOD-FREQUENCY DATA (ft^3/s)
49 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 6,640	-
Q_5	= 12,300	-
Q_{10}	= 16,600	-
Q_{25}	= 22,700	-
Q_{50}	= 27,600	-
Q_{100}	= 32,700	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.809
Standard deviation	= 0.328
Station skew	= -0.238
Regional or weighted skew	= -0.238

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1926	Sept.26	23.8	6,850	1943	Mar. 9	27.28	7,570	1959	Mar. 9	29.91	14,200
1927	Feb. 26	16.8	1,630	1944	Mar. 12	28.38	10,300	1960	Apr. 7	29.51	12,900
1928	Aug. 19	29.0	21,300	1945	May 1	26.74	6,460	1961	Apr. 19	30.20	16,000
1929	Mar. 19	30.3	15,300	1946	Mar. 21	27.05	6,990	1962	Apr. 5	27.25	7,380
1930	Apr. 10	27.07	7,160	1947	Apr. 20	27.83	8,680	1963	Jan. 27	26.01	5,520
1931	May 9	23.10	3,190	1948	Apr. 4	35.08	a55,900	1964	May 5	30.11	17,400
1932	Sept.21	26.20	5,680	1949	Apr. 17	26.07	5,130	1965	Dec. 7	30.64	19,600
1933	Apr. 17	27.83	8,670	1950	Sept. 1	22.64	2,560	1966	Mar. 7	28.26	11,300
1934	June 10	17.44	1,230	1951	Apr. 5	23.64	3,040	1967	Jan. 11	25.43	4,840
1935	Sept.10	27.96	9,150	1952	Feb. 27	25.36	4,620	1968	Mar. 20	17.96	1,150
1936	Apr. 16	26.20	6,280	1953	Apr. 18	26.35	5,920	1969	Sept.21	30.0	17,000
1937	Sept.24	28.42	10,100	1954	Dec. 31	25.22	4,450	1970	Mar. 30	26.91	7,620
1938	Nov. 17	21.63	2,440	1955	Apr. 20	20.80	2,010	1971	Apr. 1	27.13	8,120
1939	Mar. 8	22.76	3,150	1956	May 14	24.23	3,500	1972	Feb. 9	27.20	8,300
1940	Feb. 23	22.35	2,950	1957	June 16	24.14	3,430	1973	Apr. 5	30.26	18,000
1941	Mar. 13	21.59	2,610	1958	Apr. 14	28.65	10,600	1974	Feb. 13	26.88	7,560
1942	Jan. 7	29.58	14,100								

02329500 LITTLE RIVER NEAR QUINCY, FLA.

LOCATION.--Lat 30°35'14", long 84°29'48", in NW¼ sec. 12, T. 2 N., R. 3 W., Gadsden County, near right bank on downstream side of bridge on State Highway 12, 0.5 mi southwest of Shady Rest, 1.1 mi downstream from confluence of Willocoochee and Attapulgus Creeks, 4.5 mi east of Quincy, and 12 mi upstream from mouth.

DRAINAGE AREA.--237 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 83.19 ft above mean sea level, unadjusted.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

FLOOD-FREQUENCY DATA (ft^3/s)
23 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 3,940	-
Q_5	= 8,820	-
Q_{10}	= 13,200	-
Q_{25}	= 20,000	-
Q_{50}	= 26,000	-
Q_{100}	= 32,800	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.581
Standard deviation	= 0.429
Station skew	= 0.136
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Mar. 20	12.43	2,580	1959	Mar. 6	16.18	9,240	1967	Jan. 4	12.27	2,630
1952	Nov. 17	11.54	1,980	1960	Sept.27	20.45	23,200	1968	Apr. 29	7.17	533
1953	Apr. 14	12.07	2,340	1961	Apr. 13	14.96	6,320	1969	Sept.22	24.65	b45,600
1954	Dec. 8	11.90	2,220	1962	Apr. 1	16.26	9,420	1970	Mar. 29	14.86	6,650
1955	Apr. 15	10.48	1,390	1963	Jan. 22	13.93	4,400	1971	Mar. 2	11.73	2,080
1956	Jan. 24	9.36	958	1964	May 3	15.13	6,660	1972	June 28	11.99	2,340
1957	June 10	11.05	1,690	1965	Dec. 4	20.81	25,400	1973	Apr. 4	16.10	10,000
1958	Apr. 16	15.75	8,050	1966	Mar. 1	15.50	7,400	1974	May 14	10.98	1,500

02329700 ROCKY COMFORT CREEK NEAR QUINCY, FLA.

LOCATION.--Lat 30°32'44", long 84°38'09", in NE¼ sec. 28, T. 2 N., R. 4 W., Gadsden County, on left bank 15 ft upstream from bridge on State Highway 274, 1.3 mi upstream from Vote Creek, 4.5 mi southwest of Quincy, and 9.2 mi upstream from mouth.

DRAINAGE AREA.--9.46 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 100.00 ft above mean sea level, unadjusted.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,680 ft^3/s and extended above on basis of slope-area measurement at 7,610 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 496	-
Q_5 = 983	-
Q_{10} = 1,380	-
Q_{25} = 1,970	-
Q_{50} = 2,460	-
Q_{100} = 2,990	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.683
Standard deviation	= 0.364
Station skew	= 0.311
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Dec. 4	41.00	2,140	1969	Sept.21	42.50	b7,610	1972	Feb. 27	38.42	320
1966	Feb. 28	39.51	742	1970	Mar. 28	38.53	352	1973	Apr. 4	40.09	1,170
1967	Feb. 6	38.67	396	1971	Mar. 1	38.75	422	1974	May 12	36.97	118
1968	July 13	38.50	343								

02330050 TELOGIA CREEK NEAR GREENSBORO, FLA.

LOCATION.--Lat 30°33'34", long 84°43'36", in NW¼ sec. 22, T. 2 N., R. 5 W., Gadsden County, at bridge on State Highway 274, 1.2 mi southwest of Greensboro, 1.3 mi upstream from Tallahassee Creek, and 54 mi upstream from mouth.

DRAINAGE AREA.--28.1 mi^2.

GAGE.--Nonrecording and crest-stage gage. Datum of gage is 100.00 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,520 ft^3/s and extended above on basis of slope-area measurement at 12,000 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 736	-
Q_5 = 1,890	-
Q_{10} = 3,040	-
Q_{25} = 4,960	-
Q_{50} = 6,740	-
Q_{100} = 8,830	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.850
Standard deviation	= 0.503
Station skew	= -0.612
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Apr. 7	96.86	4,410	1969	Sept.21	99.91	b12,000	1972	-	-	d610
1966	Feb. 28	95.06	1,960	1970	Mar. 28	94.60	1,530	1973	Apr. 4	95.82	2,850
1967	-	-	d610	1971	Oct. 9	93.36	660	1974	-	-	d610
1968	-	-	d610								

02331000 CHATTAHOOCHEE RIVER NEAR LEAF, GA.

LOCATION.--Lat 34°34'37", long 83°38'09", Habersham County, 700 ft upstream from bridge on State Highway 115, 1.5 mi east of Leaf, and 7.5 mi southwest of Cleveland.

DRAINAGE AREA.--150 mi^2.

GAGE.--Water-stage recorder prior to June 30, 1971; crest-stage gage thereafter. Datum of gage is 1,219.47 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 11,000 ft^3/s and extended above on basis of slope-area measurement at 22,500 ft^3/s. Bankfull stage and discharge, 10 ft and 8,400 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
35 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 7,400	7,240
Q_5	= 11,700	11,300
Q_{10}	= 14,800	14,100
Q_{25}	= 19,100	18,100
Q_{50}	= 22,400	21,100
Q_{100}	= 25,900	24,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.868
Standard deviation	= 0.238
Station skew	= -0.280
Regional or weighted skew	= -0.037

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1940	Aug. 13	11.8	11,200	1952	Mar. 11	13.4	13,800	1964	Jan. 25	10.13	8,550
1941	July 5	5.28	2,680	1953	July 22	9.8	8,120	1965	Oct. 4	11.01	9,900
1942	Feb. 16	10.7	9,450	1954	Jan. 16	11.2	10,200	1966	Feb. 13	12.56	12,400
1943	Dec. 29	8.06	5,830	1955	Feb. 6	10.6	9,300	1967	Aug. 23	15.44	17,500
1944	Mar. 19	9.4	7,560	1956	Apr. 16	8.6	6,480	1968	Mar. 12	9.46	7,640
1945	Sept.14	5.3	2,680	1957	Apr. 5	7.8	5,460	1969	Feb. 3	8.86	6,820
1946	Jan. 7	13.6	14,100	1958	Nov. 19	7.2	4,740	1970	June 3	4.84	2,250
1947	Jan. 20	9.8	8,120	1959	May 31	8.0	5,700	1971	Jan. 4	5.74	3,150
1948	Aug. 4	8.5	6,350	1960	Mar. 30	7.0	4,500	1972	May 14	8.75	6,670
1949	June 16	12.4	12,100	1961	Feb. 25	9.5	7,700	1973	May 28	17.50	22,500
1950	Mar. 13	8.0	5,700	1962	Dec. 12	12.05	11,600	1974	Dec. 31	8.06	5,780
1951	Mar. 29	6.2	3,620	1963	Mar. 12	14.8	16,200				

02331500 SOQUE RIVER NEAR DEMOREST, GA.

LOCATION.--Lat 34°34'23", long 83°35'27", Habersham County, 300 ft upstream from bridge on State Highway 105, 2.5 mi west of Demorest, 3 mi downstream from Habersham Mill Dam, and 3 mi upstream from mouth.

DRAINAGE AREA.--156 mi^2.

GAGE.--Nonrecording gage prior to May 30, 1929; water-stage recorder May 30, 1929, to Dec. 5, 1931, and Mar. 27, 1940, to Dec. 31, 1951; crest-stage gage thereafter. Datum of gage is 1,152.16 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 12,000 ft^3/s and extended above on basis of slope-area measurement at 21,000 ft^3/s. Bankfull stage and discharge, 10 ft and 9,200 ft^3/s.

REMARKS.--Peak discharge for 1960 estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
36 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 5,630	5,640
Q_5	= 8,940	8,970
Q_{10}	= 11,400	11,400
Q_{25}	= 14,900	14,800
Q_{50}	= 17,600	17,500
Q_{100}	= 20,600	20,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.752
Standard deviation	= 0.237
Station skew	= 0.093
Regional or weighted skew	= 0.057

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1905	June 30	18.9	11,000	1943	Apr. 19	9.4	4,010	1955	Feb. 6	13.1	6,520
1906	Aug. 18	17.0	9,500	1944	Mar. 19	12.1	5,820	1956	Apr. 14	9.3	3,940
1907	Oct. 3	8.0	3,150	1945	Sept.16	7.1	2,650	1957	Apr. 4	9.3	3,940
1908	Apr. 25	11.8	5,610	1946	Jan. 7	21.8	13,500	1958	July 8	8.4	3,390
1929	Sept.26	15.1	8,020	1947	Jan. 20	12.8	6,310	1959	May 31	9.5	4,080
1930	Mar. 7	7.5	2,880	1948	July 12	11.2	5,190	1960	Mar. -		3,200
1931	Nov. 16	5.3	1,630	1949	June 16	28.5	21,000	1961	Feb. 25	12.1	5,820
1932	Dec. 14	10.7	5,310	1950	June 8	8.0	3,150	1962	Dec. 12	15.54	8,320
1938	July 21	22.8	14,400	1951	Oct. 20	7.9	3,040	1963	Mar. 13	20.27	12,200
1940	Aug. 13	20.0	11,900	1952	Mar. 11	13.2	6,600	1964	Mar. 26	13.57	6,900
1941	July 7	8.5	3,450	1953	July 22	13.0	6,450	1965	Oct. 5	10.02	4,400
1942	Feb. 16	13.5	6,820	1954	Jan. 16	14.0	7,120	1973	May 28	19.95	11,900

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.

LOCATION.--Lat 34°32'27", long 83°37'14", White County, on downstream side of Duncan Bridge, 1 mi downstream from Soque River, 6 mi northwest of Cornelia, and at mile 401.4.

DRAINAGE AREA.--315 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 1,128.53 ft above mean sea level (levels by Corps of Engineers).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 13,000 ft^3/s and extended above on basis of contracted-opening measurement at 26,400 ft^3/s. Bankfull stage and discharge, 16 ft and 17,500 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
17 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	11,600	11,300
Q_5 =	18,200	17,400
Q_{10} =	23,100	21,500
Q_{25} =	29,700	27,600
Q_{50} =	35,000	32,300
Q_{100} =	40,600	36,500

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.064
Standard deviation	= 0.234
Station skew	= -0.400
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1958	Nov. 19	8.64	8,000	1964	Jan. 25	14.00	14,500	1970	Nov. 2	4.40	3,380
1959	May 31	10.12	9,840	1965	Oct. 4	11.75	11,500	1971	July 31	7.33	6,400
1960	Feb. 5	7.00	6,200	1966	Mar. 4	16.10	17,700	1972	May 14	10.90	10,500
1961	Feb. 25	12.87	12,900	1967	Aug. 23	18.83	22,000	1973	May 28	20.30	25,800
1962	Dec. 12	16.20	17,800	1968	Mar. 12	11.12	10,700	1974	Dec. 31	10.37	9,840
1963	Mar. 12	20.55	26,400	1969	Feb. 3	10.72	10,300				

02333000 CHATTAHOOCHEE RIVER NEAR GAINESVILLE, GA.

LOCATION.--Lat 34°19'17", long 83°52'46", Hall County, on right bank 1,100 ft upstream from State Highway 53, 0.5 mi downstream from Eddie Creek, 3.5 mi downstream from Little River, 4 mi northwest of Gainesville, and 6 mi upstream from Chestatee River.

DRAINAGE AREA.--559 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 974.08 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Current-meter measurements to 40,000 ft^3/s have been obtained, but stage-discharge relation is not well defined due to changes in the channel and rate of change of stage effect.

HISTORICAL DATA.--Flood of January 1946 was highest since 1880, based on information furnished by local resident.

REMARKS.--Site in reservoir of Lake Sidney Lanier after January 1956.

FLOOD-FREQUENCY DATA (ft^3/s)
17 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	16,500	16,100
Q_5 =	23,800	23,300
Q_{10} =	28,400	28,400
Q_{25} =	34,400	34,500
Q_{50} =	38,800	39,600
Q_{100} =	43,200	43,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.212
Standard deviation	= 0.190
Station skew	= -0.193
Regional or weighted skew	= -0.129

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1939	Aug. 18	12.5	13,500	1945	Sept.17	9.2	8,910	1951	Oct. 20	9.5	7,850
1940	Aug. 14	18.7	30,500	1946	Jan. 7	26.2	a45,800	1952	Mar. 11	20.5	25,000
1941	July 15	9.5	9,150	1947	Jan. 20	17.9	20,100	1953	July 23	12.9	12,200
1942	Feb. 17	16.4	23,300	1948	Aug. 4	16.6	17,800	1954	Jan. 17	18.8	21,400
1943	Dec. 30	12.0	13,000	1949	June 17	20.3	24,600	1955	Feb. 7	18.6	21,400
1944	Mar. 20	15.6	21,200	1950	Mar. 14	11.0	9,600				

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA.

LOCATION.—Lat 34°31'41", long 83°56'23", Lumpkin County, on left bank 250 ft upstream from Bearden Bridge on State Highway 52, 2 mi downstream from Ballplay Creek, 2.5 mi east of Dahlonega, and 3.5 mi upstream from Yahoola Creek.

DRAINAGE AREA.—153 mi^2.

GAGE.—Water-stage recorder. Datum of gage is 1,128.6 ft above mean sea level (levels by Corps of Engineers).

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 2,000 ft^3/s for period 1929-32. Defined by current-meter measurements below 18,000 ft^3/s for period 1940-74. The construction of new bridge and fill 250 ft below gage in 1938 caused considerable change in the stage-discharge relation at the gage. Bankfull stage and discharge, 15 ft and 9,500 ft^3/s.

REMARKS.—Failure of dam upstream increased the flood peak of 1907, oased on information furnished by local resident.

FLOOD-FREQUENCY DATA (ft^3/s)
39 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 6,760	6,680
Q_5	= 11,600	11,300
Q_{10}	= 15,400	14,700
Q_{25}	= 20,900	19,600
Q_{50}	= 25,300	23,500
Q_{100}	= 30,200	27,400

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.830
Standard deviation	= 0.279
Station skew	= -0.011
Regional or weighted skew	= -0.002

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1907	Aug. 12	25.0	b22,000	1949	Jan. 5	16.9	9,450	1962	Dec. 12	19.73	12,500
1929	Sept.25	12.6	7,300	1950	Mar. 13	11.1	4,370	1963	Mar. 12	24.53	21,700
1930	Mar. 7	10.3	5,450	1951	Mar. 29	7.4	2,400	1964	Jan. 25	14.70	9,330
1931	Nov. 16	6.6	2,650	1952	Mar. 11	20.8	13,800	1965	Oct. 4	13.34	8,000
1932	Dec. 14	14.6	9,000	1953	July 22	10.3	3,860	1966	Feb. 13	20.34	15,800
1940	Aug. 13	17.4	9,950	1954	Jan. 16	17.6	10,200	1967	Aug. 23	25.17	22,700
1941	July 14	9.9	3,320	1955	Feb. 6	15.7	8,330	1968	Mar. 12	15.79	10,500
1942	Feb. 17	17.9	10,500	1956	Apr. 16	10.9	4,840	1969	Aug. 22	15.51	10,100
1943	Dec. 29	11.6	4,510	1957	Apr. 5	11.7	5,320	1970	Dec. 31	5.52	1,960
1944	Mar. 19	14.3	6,770	1958	Dec. 20	7.5	2,920	1971	Jan. 5	6.72	2,680
1945	Sept.16	9.1	2,980	1959	Jan. 22	10.0	4,300	1972	Dec. 7	9.52	4,580
1946	Jan. 7	22.1	15,300	1960	Mar. 30	8.3	3,360	1973	May 28	23.60	20,300
1947	Jan. 20	15.6	8,150	1961	Feb. 25	16.0	8,600	1974	Dec. 31	9.93	4,940
1948	Aug. 4	15.6	8,150								

02334500 CHATTAHOOCHEE RIVER NEAR BUFORD, GA.

LOCATION.—Lat 34°07'34", long 84°05'37", Gwinnett County, at bridge on State Highway 20, 0.8 mi upstream from Dave Creek, 3.2 mi downstream from Buford Dam, 4 mi downstream from Bald Ridge Creek, 5 mi west of Buford, and at mile 345.8.

DRAINAGE AREA.—1,060 mi^2, approximately.

GAGE.—Water-stage recorder. Datum of gage is 905.20 ft above mean sea level. Jan. 27, 1942, to Dec. 3, 1944, nonrecording gage and Dec. 4, 1944, to Dec. 31, 1947, water-stage recorder at site 1,000 ft downstream at same datum. Since Oct. 1, 1971, water-stage recorder 2.4 mi upstream at datum 6.8 ft higher.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 28,000 ft^3/s for period 1942-55. Defined by current-meter measurements below 11,000 ft^3/s for period 1956-71.

HISTORICAL DATA.—The flood of January 1946 was the highest since 1880, based on information at nearby gaging stations.

REMARKS.—Peak discharges regulated by Lake Sidney Lanier (maximum flood-control storage, 637,000 acre-ft) since January 1956. Peak discharges for 1972-74 estimated, based on gaging station 2.4 mi upstream.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1942	Feb. 18	23.0	21,400	1953	Jan. 10	19.90	16,200	1964	Apr. 6	14.54	10,600
1943	Dec. 30	21.9	19,100	1954	Jan. 17	25.90	28,900	1965	Oct. 16	13.99	9,990
1944	Mar. 29	22.3	19,900	1955	Feb. 8	20.60	17,500	1966	Sept. 8	12.82	8,580
1945	Sept.17	15.4	10,400	1956	Apr. 17	10.30	5,400	1967	Aug. 14	12.40	9,540
1946	Jan. 8	32.6	a55,000	1957	Apr. 5	11.70	6,760	1968	Sept.26	12.64	10,100
1947	Jan. 21	25.4	29,800	1958	Feb. 13	15.70	11,100	1969	Oct. 2	12.27	9,980
1948	Aug. 5	22.9	22,900	1959	July 16	14.00	9,300	1970	Sept.22	12.03	9,640
1949	Jan. 6	25.6	28,200	1960	June 10	13.80	9,100	1971	Aug. 13	11.89	8,890
1950	Mar. 14	18.20	13,700	1961	Aug. 11	13.80	9,760	1972	Oct. 22		9,670
1951	Oct. 21	15.80	10,800	1962	Apr. 16	14.10	10,100	1973	Oct. 10		9,620
1952	Mar. 12	27.70	34,100	1963	Nov. 21	15.20	11,400	1974	Oct. 25		8,760

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA.

LOCATION.--Lat 33°59'50", long 84°12'07", Gwinnett County, on downstream side of right bank pier of bridge on State Highway 141, 1.5 mi upstream from John Creek, 4.5 mi north of Norcross, 6.5 mi downstream from Suwanee Creek, 18 mi downstream from Buford Dam, and at mile 330.8.

DRAINAGE AREA.--1,170 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 878.14 ft above mean sea level (levels by Corps of Engineers). Prior to July 13, 1955, nonrecording gage at site 500 ft downstream at same datum. July 14, 1955, to Mar. 11, 1957, nonrecording gage at present site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 36,000 ft^3/s and extended above on basis of flow over Morgan Falls Dam at 55,000 ft^3/s. Bankfull stage and discharge, 11 ft and 10,000 ft^3/s.

HISTORICAL DATA.--Flood of January 1946 was the highest since 1880, based on information from local residents. Flood of 1886, based on information from local residents.

REMARKS.--Peak discharges regulated by Lake Sidney Lanier (maximum flood-control storage, 637,000 acre-ft) since January 1956. Peak discharges for 1907 is maximum daily.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1886	Apr.	23.4	40,000	1927	Feb. 14	10.50	11,400	1951	Oct. 21	11.60	10,500
1903	Mar. 24	20.60	32,500	1928	Aug. 17	12.80	15,600	1952	Mar. 12	22.00	35,000
1904	Aug. 9	11.20	14,300	1929	Sept.27	19.60	31,100	1953	Jan. 11	15.00	15,800
1905	Jan. 13	12.20	16,100	1930	Mar. 8	13.00	16,000	1954	Jan. 17	20.00	28,600
1906	Jan. 4	16.40	24,300	1931	Nov. 17	9.70	10,000	1955	Feb. 9	15.80	17,300
1907	Oct. 3	11.00	13,900	1932	Dec. 16	14.70	19,500	1956	Apr. 19	6.90	5,120
1908	Apr. 26	14.30	20,400	1933	Dec. 29	20.00	32,100	1957	Apr. 5	10.10	8,580
1909	Mar. 14	16.00	22,000	1934	Mar. 5	19.90	31,800	1958	Feb. 13	10.00	8,970
1910	May 9	10.70	12,400	1935	Oct. 7	13.60	17,200	1959	June 20	9.60	7,890
1911	Apr. 6	12.20	14,000	1936	Apr. 7	22.20	38,400	1960	Apr. 6	10.20	8,710
1912	Mar. 16	19.30	30,500	1937	Jan. 4	18.10	27,200	1961	Feb. 21	10.58	8,950
1913	Mar. 15	13.40	16,000	1938	July 23	13.90	17,800	1962	Apr. 12	11.00	9,500
1914	Apr. 15	10.50	11,300	1939	Aug. 19	12.40	14,800	1963	Nov. 22	12.05	11,000
1915	Dec. 5	14.80	18,400	1940	Aug. 15	18.00	22,500	1964	Apr. 5	13.10	13,200
1916	Dec. 30	21.40	36,200	1941	July 6	10.70	9,340	1965	Apr. 2	10.84	9,760
1917	Mar. 25	16.90	24,200	1942	Feb. 18	17.30	20,600	1966	Apr. 28	10.67	9,500
1918	Jan. 29	10.40	10,800	1943	Dec. 31	14.80	15,500	1967	June 6	10.20	8,800
1919	Dec. 23	21.30	35,900	1944	Mar. 30	18.00	22,500	1968	Jan. 10	11.30	10,500
1920	Dec. 10	27.10	54,700	1945	Apr. 26	10.80	9,460	1969	Sept.23	10.02	8,530
1921	Feb. 10	20.40	33,300	1946	Jan. 8	27.70	a55,000	1970	Dec. 2	10.10	8,650
1922	Mar. 11	12.40	14,000	1947	Jan. 21	20.10	28,900	1971	Oct. 14	10.53	9,300
1923	Dec. 18	14.60	18,600	1948	Aug. 6	15.40	16,600	1972	Jan. 10	10.62	9,430
1924	Apr. 19	10.50	11,400	1949	Jan. 7	20.20	29,200	1973	Mar. 16	12.47	12,200
1925	Jan. 19	13.40	16,800	1950	Mar. 14	12.00	11,000	1974	Apr. 5	10.30	9,260
1926	Jan. 19	14.80	19,700								

02335500 CHATTAHOOCHEE RIVER NEAR ROSWELL, GA.

LOCATION.--Lat 34°00'20", long 84°19'53", Fulton County, on right bank 1.5 mi upstream from Big Creek and bridge on U.S. Highway 19, 2 mi southeast of Roswell, and at mile 318.8.

DRAINAGE AREA.--1,230 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 849.50 ft above mean sea level (levels by Corps of Engineers).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 30,000 ft^3/s and extended above on basis of flow over Morgan Falls Dam at 56,000 ft^3/s. Bankfull stage and discharge, 13 ft and 15,000 ft^3/s.

HISTORICAL DATA.--Flood of January 1946 was the highest since 1880, based on records at nearby stations.

REMARKS.--Peak discharges regulated by Lake Sidney Lanier (maximum flood-control storage, 637,000 acre-ft) since January 1956.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1942	Feb. 18	15.10	19,800	1949	Jan. 7	17.90	28,800	1955	Feb. 9	14.20	18,000
1943	Dec. 31	14.00	17,000	1950	Mar. 15	12.00	13,000	1956	Mar. 16	8.30	6,940
1944	Mar. 30	15.90	22,200	1951	Oct. 21	10.80	10,900	1957	Apr. 5	11.10	11,400
1945	Apr. 26	10.60	10,400	1952	Mar. 13	19.20	33,700	1958	Feb. 13	8.80	7,670
1946	Jan. 8	23.40	a56,000	1953	Jan. 11	14.00	17,400	1959	June 18	8.00	8,200
1947	Jan. 22	17.80	28,400	1954	Jan. 18	17.70	28,100	1960	Apr. 6	8.20	8,520
1948	Aug. 6	14.40	18,800								

02335700 BIG CREEK NEAR ALPHARETTA, GA.

LOCATION.--Lat 34°03'02", long 84°16'10", Fulton County, on left bank at downstream side of county highway bridge, 2.6 mi southeast of Alpharetta, and 9.4 mi upstream from mouth.

DRAINAGE AREA.--72 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 960.80 ft above mean sea level (levels by U.S. Soil Conservation Service).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,800 ft^3/s and extended above on basis of contracted-opening measurement at 5,800 ft^3/s. Bankfull stage and discharge, 7 ft and 650 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
14 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 2,050	2,130
Q_5	= 3,550	3,710
Q_{10}	= 4,710	4,980
Q_{25}	= 6,340	6,650
Q_{50}	= 7,660	8,070
Q_{100}	= 9,060	9,410

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.306
Standard deviation	= 0.289
Station skew	= -0.126
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1961	Feb. 21	12.54	5,800	1966	Mar. 5	11.26	3,240	1971	Mar. 4	7.89	820
1962	Dec. 13	11.97	4,700	1967	Aug. 25	9.22	1,280	1972	Jan. 11	10.78	2,430
1963	Apr. 30	10.77	2,860	1968	Jan. 11	9.73	1,580	1973	Mar. 17	9.82	1,740
1964	Mar. 26	11.82	4,140	1969	Aug. 23	9.92	1,740	1974	Jan. 1	10.81	2,510
1965	Jan. 23	7.17	684	1970	Mar. 21	8.03	879				

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA.

LOCATION.--Lat 33°51'33", long 84°27'16", Fulton County, on left bank 20 ft upstream from Paces Ferry Bridge at Atlanta, 1 mi downstream from Rottenwood Creek, 2.5 mi upstream from Peachtree Creek, and at mile 303.0

DRAINAGE AREA.--1,450 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 750.10 ft above mean sea level. Aug. 3, 1928, to Dec. 31, 1931, water-stage recorder, and Nov. 15, 1936, to Mar. 8, 1937, nonrecording gage at same site and datum. Since June 1967, auxiliary water-stage recorder at bridge on U.S. Highway 41, 0.8 mi upstream.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 51,000 ft^3/s. Stage-discharge relation is affected by return of overbank storage and backwater from Peachtree Creek. Bankfull stage and discharge, 15 ft and about 14,000 ft^3/s.

HISTORICAL DATA.--Flood of December 1919 was highest since 1880, based on records for nearby gaging stations. Flood stage for peak of December 1919 obtained from floodmark at city of Atlanta sewage disposal plant 4 mi downstream, and stage relation between the two sites.

REMARKS.--Peak discharges regulated by Lake Sidney Lanier (maximum flood-control storage, 637,000 acre-ft) since January 1956.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1920	Dec.	29.00	a64,000	1947	Jan. 22	20.20	29,800	1961	Feb. 25	18.30	24,900
1929	Sept.28	18.80	28,700	1948	Aug. 6	14.50	18,200	1962	Dec. 12	15.20	19,200
1930	Mar. 9	12.00	16,800	1949	Nov. 28	21.70	34,400	1963	Apr. 30	18.19	17,000
1931	Nov. 17	7.50	8,900	1950	Mar. 15	11.20	13,900	1964	Apr. 6	19.38	26,000
1932	Dec. 16	13.20	18,900	1951	Oct. 21	9.50	11,400	1965	Mar. 26	9.41	10,700
1937	Jan. 4	18.10	25,300	1952	Mar. 13	21.70	34,400	1966	Mar. 4	18.24	24,800
1938	July 24	14.10	18,300	1953	Jan. 11	14.30	18,000	1967	Aug. 24	10.20	11,900
1939	Aug. 19	11.50	14,100	1954	Jan. 18	19.30	27,400	1968	Jan. 11	11.90	11,000
1940	Aug. 15	17.50	24,200	1955	Feb. 9	14.30	18,000	1969	Apr. 19	15.06	11,000
1941	July 7	9.90	11,500	1956	Mar. 16	12.10	15,100	1970	Mar. 20	13.28	8,400
1942	Feb. 19	16.30	22,100	1957	Apr. 5	15.80	20,100	1971	Mar. 3	11.28	13,700
1943	Dec. 31	14.60	19,200	1958	Feb. 14	7.20	7,540	1972	Jan. 11	17.74	17,500
1944	Mar. 31	17.60	23,400	1959	May 31	7.70	8,260	1973	Mar. 17	16.43	16,800
1945	Feb. 23	8.90	10,200	1960	Mar. 30	10.20	12,400	1974	Jan. 1	15.51	14,100
1946	Jan. 9	28.00	a59,000								

02336250 SOUTH FORK PEACHTREE CREEK AT ATLANTA, GA.

LOCATION.--Lat 33°48'20", long 84°21'02", Fulton County, at bridge on Lenox Road in Atlanta, 0.9 mi upstream from Seaboard Coast Line Railroad, and 2.3 mi upstream from confluence with North Fork Peachtree Creek.

DRAINAGE AREA.--29.6 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 809.25 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,700 ft^3/s.

REMARKS.--Flood peaks are affected by increasing urbanization. Flood-frequency values are not shown due to urbanization.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1961	Feb. 25	11.30	2,480	1966	Feb. 13	11.30	2,480	1970	Mar. 19	13.40	3,740
1963	Apr. 30	12.20	3,020	1967	Aug. 23	10.20	1,900	1971	Mar. 3	10.60	2,050
1964	Mar. 25	11.60	2,660	1968	Mar. 12	10.88	2,240	1973	June 6	12.60	3,300
1965	Jan. 23	9.03	1,400	1969	Apr. 18	14.50	4,700				

02336300 PEACHTREE CREEK AT ATLANTA, GA.

LOCATION.--Lat 33°49'10", long 84°24'28", Fulton County, on downstream side of bridge on Northside Drive at Atlanta, 0.4 mi downstream from Tanyard Branch, and 4 mi upstream from mouth.

DRAINAGE AREA.--86.8 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 763.96 ft above mean sea level (city of Atlanta bench mark). Prior to May 27, 1963, water-stage recorder at site 1,000 ft downstream at same datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 6,700 ft^3/s. Bankfull stage and discharge, 15 ft and 4,500 ft /s.

REMARKS.--Flood peaks are affected by increasing urbanization. Flood-frequency values are not shown due to urbanization.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1949	Nov. 28	18.70	6,880	1962	Feb. 22	14.90	4,650	1969	Apr. 18	17.91	6,840
1956	Mar. 16	18.36	6,300	1963	Apr. 30	18.70	6,880	1970	Mar. 19	18.31	6,950
1957	Apr. 5	16.76	5,670	1964	Apr. 6	17.30	5,760	1971	July 30	16.24	5,500
1958	Feb. 6	12.48	3,450	1965	Jan. 23	13.40	3,800	1972	Jan. 10	16.24	5,470
1959	May 30	14.20	4,300	1966	Feb. 13	15.46	4,830	1973	Feb. 1	16.90	5,930
1960	Apr. 3	12.00	3,230	1967	July 29	16.48	5,340	1974	Dec. 31	16.88	5,960
1961	Feb. 25	17.10	5,860	1968	Mar. 12	13.48	3,840				

02336500 CHATTAHOOCHEE RIVER AT OAKDALE, GA.

LOCATION.--Lat 33°48'46", long 84°29'19", Cobb County, at Southern Railway bridge, 1 mi east of Oakdale, 1 mi upstream from Proctor Creek, 2 mi downstream from Peachtree Creek, 8 mi northwest of Atlanta, and at mile 298.1.

DRAINAGE AREA.--1,600 mi^2, approximately.

GAGE.--Nonrecording. July 1, 1898, to May 31, 1899, at site 1 mi downstream at datum 1 ft lower. Datum of gage is 739.97 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 24,000 ft^3/s.

HISTORICAL DATA.--Flood of Jan. 8, 1946, reached a stage of 29.4 ft at Southern Railway bridge, from information furnished by employee of Southern Railway Co. This was probably the highest flood since December 1919 based on nearby gaging-station records.

REMARKS.--Peak discharges regulated by Lake Sidney Lanier (maximum flood-control capacity, 637,000 acre-ft) since January 1956.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1896	July 10	18.4	24,600	1899	Mar. 17	24.2	29,400	1902	Dec. 30	27.0	48,800
1897	Apr. 6	17.0	21,900	1900	Feb. 14	20.7	28,600	1903	Feb. 18	25.6	43,900
1898	Sept. 3	27.8	45,000	1901	Mar. 27	23.5	36,600	1946	Jan. 9	29.4	a59,000

02336700 SOUTH UTOY CREEK TRIBUTARY AT EAST POINT, GA.

LOCATION.--Lat 33°41'25", long 84°28'05", Fulton County, at culvert on Headland Drive at East Point.

DRAINAGE AREA.--0.75 mi^2.

GAGE.--Water-stage recorder prior to Sept. 30, 1969; crest-stage gage thereafter. Datum of gage is 869.70 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by culvert computations.

REMARKS.--Flood peaks affected by increasing urbanization. Flood-frequency values are not shown due to urbanization.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Aug. 4	4.60	307	1968	Dec. 19	5.55	413	1972	Jan. 10	4.50	297
1965	Dec. 26	4.30	277	1969	Apr. 18	5.20	371	1973	Feb. 1	4.36	283
1966	Feb. 13	3.65	212	1970	Mar. 19	3.90	237	1974	Aug. 1	9.73	320
1967	Aug. 22	5.83	447	1971	Aug. 2	7.88	700				

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.

LOCATION.--Lat 33°46'22", long 84°36'53", Douglas County, on right bank 100 ft upstream from bridge on Interstate Highway 20, 400 ft upstream from Blair Bridge, 3 mi southeast of Austell, and 5.5 mi upstream from mouth.

DRAINAGE AREA.--246 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 857.01 ft above mean sea level (levels by Corps of Engineers). May 6, 1904, to Dec. 31, 1905, and Nov. 3 to Dec. 27, 1913, nonrecording gage at site 2.5 mi upstream at different datum. Mar. 24 to Nov. 29, 1937, nonrecording gage at present site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 6,500 ft^3/s and extended above on basis of contracted-opening measurement at 10,100 ft^3/s prior to 1965. For period 1966-74, defined by current-meter measurements below 8,000 ft^3/s. There was a considerable change in higher portion of stage-discharge relation during 1965 from construction of Interstate Highway 20 bridge, 100 ft downstream from gage. Bankfull stage and discharge, 10 ft and 3,500 ft^3/s.

HISTORICAL DATA.--Flood stage of July 1916 based on information furnished by local resident. This flood was the highest since 1916, based on information from local resident.

FLOOD-FREQUENCY DATA (ft^3/s)
41 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 4,110	4,180
Q_5	= 6,040	6,280
Q_{10}	= 7,380	7,870
Q_{25}	= 9,140	9,940
Q_{50}	= 10,500	11,600
Q_{100}	= 11,900	13,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.614
Standard deviation	= 0.198
Station skew	= 0.067
Regional or weighted skew	= 0.005

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1904	Aug. 9	16.5	5,910	1948	Feb. 10	10.30	3,440	1962	Dec. 19	13.70	4,980
1905	July 12	17.3	6,260	1949	Nov. 29	18.40	10,400	1963	May 1	12.80	4,350
1916	July 8	20.00	a12,600	1950	Sept. 9	6.80	2,020	1964	Apr. 8	14.70	6,270
1937	May 1	14.00	5,360	1951	Apr. 23	6.60	1,950	1965	Dec. 28	12.10	4,160
1938	Apr. 9	16.20	6,640	1952	Dec. 22	13.30	4,970	1966	Mar. 5	13.90	5,420
1939	Mar. 1	8.60	2,580	1953	Jan. 10	9.60	3,130	1967	Aug. 26	12.13	4,330
1940	July 10	10.70	3,540	1954	Jan. 17	10.40	3,490	1968	Jan. 11	8.43	2,490
1941	July 17	6.00	1,630	1955	Feb. 8	8.50	2,680	1969	Apr. 18	8.55	2,760
1942	Mar. 22	12.70	4,460	1956	Mar. 16	10.50	3,540	1970	Mar. 21	13.54	5,540
1943	Mar. 22	13.70	5,190	1957	Apr. 6	13.20	4,910	1971	Mar. 4	10.55	3,580
1944	Mar. 30	10.40	3,390	1958	Feb. 7	6.50	1,910	1972	Jan. 12	15.63	6,700
1945	Apr. 25	7.40	2,130	1959	June 2	11.70	3,900	1973	Mar. 18	11.19	3,940
1946	Jan. 8	15.10	6,000	1960	Feb. 1	9.30	2,720	1974	Jan. 2	11.90	4,250
1947	Jan. 21	15.30	6,110	1961	Feb. 26	18.20	10,100				

02337100 NORTH FORK CAMP CREEK AT ATLANTA, GA.

LOCATION.—Lat 33°39'40", long 84°30'40", Fulton County, at bridge on Redwine Road, at Atlanta.

DRAINAGE AREA.—5.25 mi^2.

GAGE.—Water-stage recorder prior to Sept. 30, 1969; crest-stage thereafter.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 800 ft^3/s.

REMARKS.—Flood peaks may be affected by increasing amount of urbanization. Frequency values not shown due to urbanization. Peak discharge for 1973 estimated.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Apr. 6	7.50	774	1968	Dec. 19	8.35	923	1972	Jan. 10	8.90	926
1965	Oct. 16	5.96	536	1969	Apr. 18	10.15	1,250	1973	Feb. 1		1,250
1966	Feb. 13	7.80	830	1970	Mar. 20	9.80	1,070	1974	Aug. 1	10.82	1,230
1967	Aug. 22	10.26	1,270	1971	Aug. 2	9.10	980				

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.

LOCATION.—Lat 33°39'24", long 84°40'25", Fulton County, at downstream end of pier of bridge on State Highways 74 and 92, 1.4 mi downstream from Deep Creek, 8.5 mi northwest of Fairburn, and at mile 281.8.

DRAINAGE AREA.—2,060 mi^2, approximately.

GAGE.—Water-stage recorder. Datum of gage is 719.07 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 31,000 ft^3/s. Bankfull stage and discharge, 18 ft and 19,000 ft /s.

REMARKS.—Peak discharges regulated by Lake Sidney Lanier (maximum flood-control capacity, 637,000 acre-ft) since January 1946.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1966	Feb. 14	19.98	22,000	1969	Apr. 18	20.40	22,600	1972	Jan. 11	23.56	32,700
1967	Aug. 24	18.17	19,300	1970	Mar. 20	21.74	24,600	1973	Mar. 17	19.12	22,200
1968	Jan. 11	16.30	16,400	1971	Mar. 3	19.01	20,500	1974	Jan. 1	20.26	24,500

02337400 DOG RIVER NEAR DOUGLASVILLE, GA.

LOCATION.—Lat 33°39'36", long 84°51'41", Douglas County, at county road, 2.2 mi north of Fair Play.

DRAINAGE AREA.—43 mi^2, approximately.

GAGE.—Crest-stage gage. Datum of gage is 904.8 ft above mean sea level.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 4,730 ft^3/s and extended above on basis of contracted-opening measurement at 9,910 ft^3/s. Bankfull stage and discharge, 11 ft and 3,200 ft^3/s.

REMARKS.—Peak discharge for 1972 estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	3,110	2,940
Q_5 =	5,700	5,130
Q_{10} =	7,780	6,730
Q_{25} =	10,800	8,900
Q_{50} =	13,300	10,700
Q_{100} =	15,900	12,500

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.488
Standard deviation	= 0.317
Station skew	= -0.384
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Mar. 8	5.52	1,080	1959	May 31	13.92	5,990	1967	Aug. 25	11.74	3,690
1952	Dec. 21	12.81	4,610	1960	Apr. 3	8.32	1,650	1968	Apr. 5	6.32	1,190
1953	Jan. 9	6.80	1,270	1961	Feb. 25	16.15	9,910	1969	Apr. 18	9.11	1,940
1954	Jan. 16	3.59	695	1962	Dec. 12	11.39	3,420	1970	Mar. 19	15.12	8,000
1955	Feb. 6	5.57	1,090	1963	Mar. 13	11.40	3,430	1971	Mar. 3	10.23	2,600
1956	Mar. 16	14.36	6,680	1964	Apr. 6	11.77	3,720	1972	Jan. 10		4,500
1957	Apr. 5	12.23	4,080	1965	Dec. 26	12.80	4,600	1973	May 28	10.32	2,460
1958	Feb. 6	8.70	1,780	1966	Feb. 13	11.61	3,590	1974	Dec. 31	13.20	5,040

02337500 SNAKE CREEK NEAR WHITESBURG, GA.

LOCATION.--Lat 33°31'46", long 84°55'42", Carroll County, at downstream end of left bank pier of highway bridge at Banning Mills, 1.5 mi north of State Highway 16, 3 mi northwest of Whitesburg, 4 mi downstream from Little Snake Creek, and 7 mi upstream from mouth.

DRAINAGE AREA.--37 mi^2, approximately.

GAGE.--Water-stage recorder. Altitude of gage is 850 ft, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 5,900 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
20 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 =	3,370	3,080
Q_5 =	4,740	4,280
Q_{10} =	5,640	5,080
Q_{25} =	6,780	6,120
Q_{50} =	7,620	7,000
Q_{100} =	8,460	7,810

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.525
Standard deviation	= 0.179
Station skew	= -0.099
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1955	Feb. 6	5.82	1,200	1962	Dec. 12	8.66	2,900	1969	Apr. 18	10.35	4,040
1956	Mar. 16	12.80	6,110	1963	Apr. 30	11.10	4,630	1970	Mar. 19	9.73	3,610
1957	Apr. 5	9.60	3,520	1964	Jan. 25	9.48	3,450	1971	Mar. 3	8.75	2,680
1958	Feb. 6	7.90	2,390	1965	Jan. 23	8.24	2,610	1972	May 13	9.33	3,070
1959	May 31	9.10	3,170	1966	Feb. 13	9.72	3,600	1973	May 28	9.11	2,890
1960	Apr. 3	7.90	2,390	1967	Nov. 10	9.98	3,790	1974	Dec. 31	13.12	6,420
1961	Feb. 25	14.40	7,690	1968	May 15	7.85	2,360				

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.

LOCATION.--Lat 33°28'37", long 84°54'04", Carroll County, at downstream end of right bank pier of bridge on State Highway 16, 0.5 mi upstream from Central of Georgia Railroad bridge, 1.2 mi southeast of Whitesburg, 1.5 mi downstream from Cedar Creek, 2.0 mi downstream from Snake Creek, and at mile 259.8.

DRAINAGE AREA.--2,430 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 682.06 ft above mean sea level. Prior to May 1, 1949, nonrecording gage at site 1.0 mi upstream at datum 2.00 ft higher. May 1, 1949, to June 30, 1954, nonrecording gage at present site at datum 2.00 ft higher.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 42,500 ft^3/s. Bankfull stage and discharge, 18 ft and 27,000 ft^3/s.

HISTORICAL DATA.--Flood of December 1919 was probably the highest since at least 1896, based on records for gaging station downstream at West Point.

REMARKS.--Peak discharges regulated by Lake Sidney Lanier (maximum flood-control capacity, 637,000 acre-ft) since January 1946. Peak discharge for 1920 estimated on basis of records at gaging station downstream on Chattahoochee River at Franklin (02338500).

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1920	Dec.		a100,000	1947	Jan. 23	20.2	33,500	1966	Feb. 14	18.85	28,500
1938	Apr. 8	16.4	25,000	1948	Feb. 9	17.2	25,800	1967	Aug. 25	17.58	24,100
1939	Feb. 28	15.7	23,300	1949	Nov. 29	25.0	46,000	1968	Apr. 5	14.80	19,800
1940	Aug. 16	14.5	20,800	1950	Mar. 16	12.20	15,000	1969	Apr. 19	18.79	28,300
1941	July 17	11.0	13,800	1951	Mar. 30	11.00	12,800	1970	Mar. 20	20.89	33,200
1942	Mar. 21	19.6	33,900	1952	Mar. 14	20.50	32,400	1971	Mar. 3	18.73	28,200
1943	Mar. 21	18.2	30,000	1953	Jan. 10	15.40	21,200	1972	Jan. 12	21.84	37,500
1944	Apr. 1	17.6	26,900	1954	Jan. 19	17.80	26,300	1973	Feb. 1	17.24	26,400
1945	Apr. 25	15.7	22,900	1965	Jan. 24	16.70	23,600	1974	Jan. 1	18.82	29,200
1946	Jan. 10	25.1	59,000								

02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA.

LOCATION.--Lat 33°16'45", long 85°06'00", Heard County, at bridge on U.S. Highway 27, 0.2 mi southwest of Franklin, 1.5 mi downstream from Centralhatchee Creek, 2 mi upstream from Hillabahatchee Creek, and at mile 235.5.

DRAINAGE AREA.--2,680 mi^2, approximately.

GAGE.--Nonrecording. Prior to Oct. 31, 1931, at site 250 ft downstream, Mar. 1, 1937, to Sept. 30, 1939, at site 500 ft downstream. All gages at about same datum. Datum of gage is 623.86 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 36,000 ft^3/s and extended above on basis of peak flow at stations of Chattahoochee River near Norcross and at West Point.

HISTORICAL DATA.--Flood of December 1919 was probably the highest since 1896, based on records for gaging station downstream at West Point.

REMARKS.--Peak discharges regulated by Lake Sidney Lanier (maximum flood-control capacity, 637,000 acre-ft) since January 1956. Station in backwater from West Point Dam after October 1974.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1920	Dec.	28.4	a105,000	1938	Apr. 8	18.8	34,100	1958	Feb. 7	15.2	23,300
1929	Mar. 15	22.7	54,000	1939	Feb. 28	17.0	28,300	1959	June 1	16.6	26,200
1930	Nov. 15	14.7	24,500	1949	Nov. 29	26.6	48,000	1961	Feb.	26.7	48,500
1931	Nov. 16	13.5	21,600								

02339000 YELLOWJACKET CREEK NEAR LAGRANGE, GA.

LOCATION.--Lat 33°05'27", long 85°03'40", Troup County, at bridge on State Highway 219, 1.2 mi downstream from Beach Creek, 2 mi upstream from Jackson Creek, and 4.2 mi northwest of LaGrange.

DRAINAGE AREA.--182 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 601 ft (by barometer).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 12,800 ft^3/s. Bankfull stage and discharge, 8 ft and 1,600 ft^3/s.

REMARKS.--Station inundated by West Point Reservoir in 1974.

FLOOD-FREQUENCY DATA (ft^3/s)
21 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	= 3,840	3,910
Q_5	= 7,240	7,240
Q_{10}	= 10,000	9,900
Q_{25}	= 14,100	13,500
Q_{50}	= 17,500	16,600
Q_{100}	= 21,200	19,500

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.579
Standard deviation	= 0.332
Station skew	= -0.277
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Apr. 24	6.60	880	1958	Feb. 8	12.0	4,900	1965	Dec. 26	10.53	3,900
1952	Mar. 5	11.28	4,200	1959	Mar. 6	7.25	960	1966	Feb. 14	13.10	6,400
1953	May 2	9.70	2,760	1960	Apr. 5	10.0	3,000	1967	May 23	8.47	2,010
1954	Dec. 5	9.70	2,760	1961	Feb. 25	22.5	21,600	1968	Mar. 13	12.54	5,350
1955	Apr. 15	8.63	1,720	1962	Dec. 13	11.91	4,300	1969	Apr. 19	10.13	3,030
1956	Mar. 17	11.35	4,300	1963	Jan. 21	9.38	2,290	1970	Mar. 21	10.39	4,290
1957	Apr. 6	13.36	6,110	1964	Apr. 28	[1]13.8	7,580	1971	Mar. 3	17.45	14,500

[1] Peak stage occurred on Apr. 7, 1964.

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.

LOCATION.—Lat 32°53'10", long 85°10'56", Troup County, on right bank just downstream from Oseligee Creek at West Point, 1 mi upstream from bridge on U.S. Highway 29, and at mile 198.9.

DRAINAGE AREA.—3,550 mi^2, approximately.

GAGE.—Water-stage recorder. Datum of gage is 551.67 ft above mean sea level. Prior to Oct. 20, 1912, nonrecording gage at site 0.8 mi downstream at datum 2.83 ft lower. Oct. 20, 1912, to Jan. 25, 1925, nonrecording gage at site 500 ft upstream at present datum.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 85,000 ft^3/s and extended above on basis of computation of peak flow over Langdale Dam. Bankfull stage and discharge, 19 ft and 48,000 ft^3/s.

HISTORICAL DATA.—Well documented records of major floods at Columbus, Ga., indicate that the 1886 flood on Chattahoochee River was, at that time, the highest since at least 1827.

REMARKS.—Peak discharges since January 1956 may be slightly affected by storage in Lake Sidney Lanier (maximum flood-control storage, 637,000 acre-ft). Peak discharges affected by West Point Lake (flood-control capacity, 221,000 acre-ft) beginning October 1974. Peak discharges for 1897-1905 are maximum daily discharges.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1886	Apr.	[1]25.6	92,800	1923	Feb. 14	18.7	39,400	1949	Nov. 29	22.4	61,900
1897	Mar. 14	14.1	38,500	1924	Apr. 19	12.6	25,400	1950	Mar. 16	10.4	16,000
1898	Sept. 6	18.2	57,400	1925	Jan. 19	24.6	90,300	1951	Apr. 23	10.7	16,800
1899	Feb. 28	15.2	43,600	1926	Apr. 1	13.7	28,500	1952	Mar. 5	18.7	43,200
1900	Feb. 14	19.5	63,300	1927	Feb. 14	12.2	24,100	1953	Jan. 10	14.2	26,100
1901	May 23	17.2	52,800	1928	Apr. 23	14.3	30,500	1954	Jan. 20	14.1	25,800
1902	Dec. 30	25.0	88,600	1929	Mar. 15	25.4	87,600	1955	Feb. 8	13.5	24,000
1903	Feb. 9	20.1	66,100	1930	Nov. 16	13.6	28,200	1956	Mar. 17	18.2	40,900
1904	Aug. 9	12.6	29,300	1931	Nov. 17	14.4	30,900	1957	Apr. 6	19.5	46,800
1905	Jan. 13	12.6	29,300	1932	Feb. 22	14.2	29,200	1958	Feb. 7	16.5	34,000
1906	Mar. 20	18.9	51,800	1933	Dec. 30	21.7	58,600	1959	June 2	14.5	27,000
1907	Mar. 3	12.5	30,500	1934	Mar. 5	16.5	34,700	1960	Apr. 4	15.1	28,800
1908	Apr. 26	16.0	40,800	1935	Oct. 12	15.2	30,200	1961	Feb. 26	24.9	94,400
1909	Mar. 13	19.0	51,500	1936	Apr. 8	22.9	75,400	1962	Dec. 13	19.79	47,200
1910	May 25	11.3	23,100	1937	Jan. 6	18.4	49,900	1963	Nov. 2	16.77	35,100
1911	Apr. 10	10.5	20,700	1938	Apr. 9	20.2	63,900	1964	Apr. 7	19.98	55,300
1912	Mar. 16	22.9	73,400	1939	Mar. 1	17.6	45,500	1965	Jan. 24	17.85	38,600
1913	Mar. 15	18.6	46,900	1940	July 10	14.1	28,600	1966	Feb. 14	18.23	40,900
1914	Apr. 17	9.6	18,500	1941	July 17	9.1	13,800	1967	Aug. 26	14.59	29,400
1915	Dec. 6	12.1	25,000	1942	Mar. 22	20.2	64,200	1968	Apr. 6	15.37	30,300
1916	July 10	22.1	64,500	1943	Mar. 22	20.2	64,200	1969	Apr. 19	17.91	43,600
1917	Mar. 28	19.6	51,400	1944	Apr. 27	17.7	46,200	1970	Mar. 22	18.63	47,200
1918	Jan. 12	16.3	34,800	1945	Apr. 25	20.4	65,700	1971	Mar. 3	21.29	57,900
1919	Dec. 23	21.0	63,700	1946	Jan. 12	19.6	59,700	1972	Jan. 12	20.90	57,400
1920	Dec. 10	[2]29.25	134,000	1947	Jan. 21	19.6	47,200	1973	Feb. 3	16.81	37,400
1921	Feb. 10	19.3	53,000	1948	July 12	16.2	32,800	1974	Jan. 3	14.46	28,600
1922	Mar. 11	19.6	54,800								

[1] From floodmarks from the National Weather Service
[2] At present site

02340500 MOUNTAIN OAK CREEK NEAR HAMILTON, GA.

LOCATION.—Lat 32°44'28", long 85°04'08", Harris County, on right bank 300 ft upstream from bridge on State Highway 103, 5 mi upstream from mouth, and 11 mi west of Hamilton.

DRAINAGE AREA.—61.7 mi^2.

GAGE.—Water-stage recorder. Altitude of gage is 550 ft (by barometer). Dec. 22, 1943, to Sept. 8, 1950, nonrecording gage, and Sept. 9, 1950, to June 12, 1964, water-stage recorder at site 300 ft downstream at datum 3.00 ft lower. Datum Oct. 1, 1958, to June 12, 1964, adjusted to present datum.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 7,000 ft^3/s and extended above on basis of slope-conveyance studies. Bankfull stage and discharge, 4 ft and 1,700 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
30 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	1,850	1,890
Q_5 =	3,540	3,580
Q_{10} =	4,940	4,970
Q_{25} =	7,070	6,950
Q_{50} =	8,900	8,650
Q_{100} =	10,900	10,400

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.261
Standard deviation	= 0.341
Station skew	= 0.392
Regional or weighted skew	= -0.067

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1944	Apr. 27	7.5	4,380	1954	Dec. 5	5.8	2,340	1964	Apr. 8	4.92	2,960
1945	May 13	5.2	1,810	1955	Apr. 14	3.50	630	1965	Oct. 5	3.63	1,380
1946	Jan. 7	7.3	4,120	1956	Mar. 16	4.03	955	1966	Feb. 13	5.37	3,690
1947	Apr. 2	5.6	2,180	1957	Apr. 5	6.1	2,580	1967	Sept. 4	3.40	1,130
1948	July 11	16.6	11,800	1958	Nov. 19	4.72	1,100	1968	Mar. 12	3.81	1,560
1949	Nov. 27	12.1	7,490	1959	Feb. 4	2.55	515	1969	Apr. 19	3.66	1,360
1950	Mar. 28	3.82	780	1960	Apr. 4	4.18	1,840	1970	Mar. 22	4.59	2,530
1951	Apr. 23	3.14	462	1961	Feb. 25	6.80	5,200	1971	Mar. 3	5.95	4,710
1952	Mar. 25	4.4	1,220	1962	Apr. 13	3.85	1,520	1972	Feb. 7	3.02	806
1953	May 1	3.97	899	1963	Jan. 21	3.55	1,260	1973	Dec. 16	4.21	2,030

02340750 OSANIPPA RIVER NEAR FAIRFAX, ALA.

LOCATION.--Lat 32°46'57", long 85°11'34", in NW¼ sec. 25, T. 21 N., R. 28 E., Chambers County, 1,000 ft below bridge on U.S. Highway 29, and 1 mi southwest of Fairfax.

DRAINAGE AREA.--101 mi^2.

GAGE.--Nonrecording.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 11.0 ft and 6,660 cfs. Bankfull stage and discharge, 5.0 ft and 1,200 cfs.

FLOOD-FREQUENCY DATA (ft^3/s)
22 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE
Q_2 = 3,930
Q_5 = 5,890
Q_{10} = 7,240
Q_{25} = 8,990
Q_{50} = 10,300
Q_{100} = 11,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)
Mean = 3.591
Standard deviation = 0.211
Station skew = -0.026
Regional or weighted skew = -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1953	May 1	7.8	3,500	1961	Feb. 25	16.08	12,800	1968	Mar. 11	7.33	3,100
1954	Dec. 5	7.3	3,100	1962	Apr. 12	8.66	4,290	1969	Apr. 19	8.00	3,700
1955	Apr. 14	5.2	1,400	1963	Nov. 22	8.61	4,250	1970	Mar. 19	9.65	5,190
1956	Sept.26	11.7	7,100	1964	Apr. 8	8.18	3,860	1971	Mar. 3	10.86	6,450
1957	Dec. 24	9.7	5,300	1965	Oct. 5	8.88	4,490	1972	Jan. 11	7.65	3,380
1958	Feb. 6	5.8	1,800	1966	Feb. 13	8.36	4,020	1973	Feb. 2	8.26	3,930
1959	Mar. 22	8.4	4,100	1967	Feb. 6	5.65	1,670	1974	May 24	7.21	2,990
1960	Apr. 3	10.2	5,800								

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.

LOCATION.--Lat 32°27'45", long 84°59'52", Muscogee County, on downstream side of center pier of Central of Georgia Railway bridge at Columbus, 0.5 mi downstream from Eagle and Phenix Dam, 1.2 mi downstream from City Mills Dam, 2.6 mi downstream from North Highlands Dam, 3.3 mi downstream from Oliver Dam, 17.5 mi downstream from Bartletts Ferry Dam, and at mile 159.9.

DRAINAGE AREA.--4,670 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 185.14 ft above mean sea level. Dec. 1-31, 1912, nonrecording gage at site 800 ft upstream at same datum. Oct. 1, 1963, to Sept. 30, 1966, water-stage recorder at Walter F. George Reservoir, and since Oct. 1, 1966, water-stage recorder at Alabama State Docks used as auxiliary gage for this station.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 140,000 ft^3/s and extended above by computation of flow over North Highlands Dam. Laboratory rating to 198,000 ft^3/s obtained from North Highlands Dam. Stage-discharge relation affected by backwater.

HISTORICAL DATA.--The record of major floods prior to the establishment of the gage station in August 1929 is well established through records of the National Weather Service, marks on river-front factories, and old issues of the Columbus Enquirer, dating back to 1827. Bankfull stage and discharge, 34 ft and about 80,000 ft^3/s.

REMARKS.--Peak discharge slightly regulated by Lake Sidney Lanier (maximum flood-control capacity, 637,000 acre-ft) since January 1956; West Point Lake (maximum flood-control capacity, 221,000 acre-ft) since October 1974; and Bartletts Ferry Reservoir (Lake Harding) (maximum flood-control capacity, 57,000 acre-ft) since 1926. Flood-frequency values shown are based on entire station record. Peak discharges for 1964, 1968, and 1973-74 are estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
51 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE
Q_2 = 57,700
Q_5 = 85,100
Q_{10} = 103,000
Q_{25} = 125,000
Q_{50} = 141,000
Q_{100} = 157,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)
Mean = 4.751
Standard deviation = 0.210
Station skew = -0.286
Regional or weighted skew = -0.286

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1841	Mar. 11	43.00	113,000	1941	July 15	[1]11.60	16,700	1958	Feb. 7	23.90	41,500
1886	Apr. 1	48.5	a154,000	1942	Mar. 22	[1]37.20	82,500	1959	June 2	[1]23.90	35,500
1913	Mar. 15	42.0	107,000	1943	Mar. 21	41.00	102,000	1960	Apr. 5	[1]29.90	59,100
1916	July	41.9	106,000	1944	Mar. 23	34.10	72,400	1961	Feb. 26	[1]47.80	a145,000
1920	Dec. 10	50.6	a172,000	1945	Apr. 26	33.20	68,800	1962	Dec. 14	30.02	53,700
1925	Jan. 19	46.0	a133,000	1946	Jan. 7	31.50	62,600	1963	Jan. 21	23.68	40,900
1929	Mar. 15	[1]53.20	a198,000	1947	Jan. 21	28.90	54,100	1964	Apr. 8	[1]43.85	a140,000
1930	Oct. 1	24.10	42,000	1948	July 11	36.60	81,900	1965	Jan. 25	24.78	55,300
1931	Nov. 17	26.60	46,000	1949	Nov. 28	[1]42.40	104,000	1966	Feb. 14	30.40	77,800
1932	Feb. 22	22.30	36,000	1950	Mar. 17	12.30	16,200	1967	Nov. 12	19.60	37,100
1933	Dec. 30	31.10	58,800	1951	Apr. 23	16.00	24,100	1968	Mar. 13	23.91	46,000
1934	Mar. 5	27.60	49,200	1952	Mar. 5	30.20	57,800	1969	Apr. 19	27.69	66,800
1935	Mar. 6	22.30	36,100	1953	May 2	25.10	44,400	1970	Mar. 22	32.44	87,200
1936	Apr. 9	38.20	84,700	1954	Dec. 4	23.20	39,800	1971	Mar. 3	[1]38.50	110,000
1937	Jan. 6	30.50	55,000	1955	Apr. 15	19.00	30,300	1972	Jan. 12	28.70	70,800
1938	Apr. 9	37.60	81,700	1956	Mar. 17	28.00	51,700	1973	Dec. 22	24.67	54,700
1939	Mar. 30	[1]30.80	59,000	1957	Apr. 6	34.00	74,600	1974	Feb. 16	19.13	38,300
1940	July 10	[1]23.60	40,900								

[1] Occurred at different time than peak discharge

02341600 JUNIPER CREEK NEAR GENEVA, GA.

LOCATION.--Lat 32°31'41", long 84°34'41", Talbot County, at State Highway 41, 1.8 mi south of Geneva.

DRAINAGE AREA.--47.4 mi^2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,700 ft^3/s. Bankfull stage and discharge, 6 ft and 400 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
12 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 734	695
Q_5	= 1,090	1,040
Q_{10}	= 1,340	1,290
Q_{25}	= 1,630	1,590
Q_{50}	= 1,860	1,840
Q_{100}	= 2,070	2,110

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.863
Standard deviation	= 0.209
Station skew	= 0.611
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1963	Dec. 27	6.83	640	1967	May 23	6.46	504	1971	Mar. 25	7.12	780
1964	Apr. 13	8.23	1,360	1968	Mar. 12	5.93	338	1972	Feb. 7	6.24	422
1965	Dec. 27	7.30	870	1969	May 20	6.74	616	1973	Apr. 7	7.25	845
1966	Mar. 3	9.19	2,010	1970	Mar. 20	6.98	712	1974	Apr. 5	6.97	708

02341800 UPATOI CREEK NEAR COLUMBUS, GA.

LOCATION.--Lat 32°24'48", long 84°49'12", Muscogee County, at downstream side of pier near left end of bridge on Red Arrow Road at Fort Benning, 2 mi downstream from Randall Creek, 2 mi upstream from Ochillee Creek, 8 mi southeast of Columbus, and 12 mi upstream from mouth.

DRAINAGE AREA.--342 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 230 ft, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 8,340 ft^3/s.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1969	Apr. 18	14.32	8,850	1971	Mar. 3	14.74	8,940	1973	Apr. 7	13.56	7,570
1970	Mar. 21	12.75	6,800	1972	June 27	10.31	4,310	1974	Apr. 4	12.07	6,070

02342150 UCHEE CREEK NEAR SEALE, ALA.

LOCATION.--Lat 32°22'47", long 85°10'52", in NE¼ sec. 13, T. 16 N., R. 28 E., Russell County, at bridge on county road, 5.5 mi north of Seale.

DRAINAGE AREA.--134 mi^2.

GAGE.--Nonrecording.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 10,000 cfs and extended above by logarithmic plotting. Bankfull stage and discharge, 7 ft and 3,650 cfs.

FLOOD-FREQUENCY DATA (ft^3/s)
20 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 4,240	
Q_5	= 8,490	
Q_{10}	= 12,100	
Q_{25}	= 17,600	
Q_{50}	= 22,300	
Q_{100}	= 27,500	

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.622
Standard deviation	= 0.363
Station skew	= -0.374
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Mar. 20	5.92	761	1958	Mar. 8	13.1	14,100	1965	Oct. 6	11.06	6,020
1952	Mar. 25	10.9	5,590	1959	June 2	9.9	3,310	1966	Mar. 3	11.65	7,860
1953	May 1	10.4	4,340	1960	Apr. 3	10.8	5,340	1967	Jan. 2	9.39	2,500
1954	Dec. 5	10.4	4,340	1961	Feb. 25	11.29	6,740	1968	Mar. 12	9.85	3,220
1955	July 12	9.9	3,310	1962	Feb. 23	9.93	3,320	1969	Apr. 19	12.69	12,000
1956	Mar. 17	9.0	2,000	1963	Mar. 6	9.20	2,230	1970	Mar. 21	5.88	753
1957	Apr. 5	11.1	6,140	1964	Apr. 9	14.06	19,500				

02342200 PHELPS CREEK NEAR OPELIKA, ALA.

LOCATION.--Lat 32°34', long 85°16', in S½ sec. 7, T. 18 N., R. 28 E., Lee County, on right bank at upstream abutment of bridge on county road, 1 mi upstream from mouth, and 9 mi southwest of Opelika.

DRAINAGE AREA.--7.47 mi^2.

GAGE.--Nonrecording. Datum of gage is 530 ft above mean sea level (from topographic map). Prior to Sept. 30, 1968, recording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 8.5 ft and 800 cfs. Bankfull stage and discharge, 7.0 ft and 300 cfs.

FLOOD-FREQUENCY DATA (ft^3/s)
16 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 800	
Q_5 = 1,490	
Q_{10} = 2,040	
Q_{25} = 2,850	
Q_{50} = 3,520	
Q_{100} = 4,250	

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.898
Standard deviation	= 0.324
Station skew	= -0.539
Regional or weighted skew	= -0.100

Peak stage and discharges

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

02343200 PATAULA CREEK NEAR LUMPKIN, GA.

LOCATION.--Lat 31°56'03", long 84°48'12", Stewart County, at bridge on U.S. Highway 27, 8 mi south of Lumpkin.

DRAINAGE AREA.--70 mi^2, approximately.

GAGE.--Crest-stage gage prior to June 21, 1958, and after Oct. 1, 1972. Water-stage recorder, June 21, 1958, to Sept. 30, 1972. Datum of gage is 224.34 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,200 ft^3/s and extended above on basis of contracted-opening measurements at 8,320 ft^3/s. Bankfull stage and discharge, 4.0 ft and 350 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
25 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 1,290	1,270
Q_5 = 2,480	2,400
Q_{10} = 3,430	3,260
Q_{25} = 4,810	4,470
Q_{50} = 5,940	5,520
Q_{100} = 7,160	6,650

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.098
Standard deviation	= 0.347
Station skew	= 0.028
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1950	Sept. 1	5.50	1,390	1959	Feb. 4	5.20	1,050	1967	Jan. 1	6.78	3,070
1951	Apr. 1	3.29	270	1960	Feb. 11	5.90	1,940	1968	Dec. 11	3.71	257
1952	Feb. 15	4.62	675	1961	Apr. 1	6.12	2,220	1969	Mar. 24	4.72	692
1953	May 3	6.99	3,380	1962	Jan. 6	5.45	1,320	1970	Mar. 30	9.19	8,320
1954	Dec. 5	4.87	800	1963	July 9	4.80	700	1971	Mar. 26	5.87	1,760
1955	Apr. 14	4.37	582	1964	Jan. 9	5.10	1,010	1972	Jan. 14	5.08	962
1956	Sept.25	5.65	1,560	1965	Dec. 25	6.75	3,020	1973	Apr. 26	5.82	1,700
1957	Apr. 7	5.26	1,120	1966	Feb. 13	6.42	2,530	1974	Apr. 6	6.04	1,960
1958	June 20	4.50	502								

02343225 PATAULA CREEK NEAR GEORGETOWN, GA.

LOCATION.--Lat 31°49'06", long 84°57'27", Quitman County, at bridge on U.S. Highway 82 (State Highway 50), about 11 mi east of Georgetown.

DRAINAGE AREA.--295 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 209.64 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 7,500 ft^3/s and extended above on basis of contracted-opening measurements at 19,000 ft^3/s. Bankfull stage and discharge, 5 ft and 3,500 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 =	3,050	2,990
Q_5 =	5,920	5,710
Q_{10} =	8,250	7,790
Q_{25} =	11,600	10,700
Q_{50} =	14,400	13,300
Q_{100} =	17,400	16,100

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.473
Standard deviation	= 0.353
Station skew	= 0.961
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Dec. 29	4.38	1,730	1959	Feb. 6	4.54	2,650	1967	Jan. 2	6.07	6,410
1952	Feb.	4.29	1,620	1960	Apr. 3	5.15	4,140	1968	Nov. 2	2.47	d700
1953	May 3	8.02	9,200	1961	Apr. 12	5.40	4,600	1969	May 19	4.94	3,570
1954	Dec. 8	4.73	2,080	1962	Jan. 7	4.40	2,450	1970	Mar. 31	9.40	19,000
1955	Feb. 7	5.80	3,730	1963	Jan. 22	4.45	2,450	1971	Mar. 27	5.03	2,850
1956	Sept.25	5.63	3,400	1964	Jan. 10	4.47	2,650	1972	Jan. 14	4.52	1,860
1957	Apr. 7	5.27	2,950	1965	Dec. 27	5.76	5,460	1973	Apr. 26	6.38	6,100
1958	Feb. 28	4.00	1,320	1966	Feb. 12	5.34	4,460	1974	Apr. 6	5.33	3,480

02343275 ABBIE CREEK NEAR ABBEVILLE, ALA.

LOCATION.--Lat 31°32'00", long 85°12'00", in SW¼ sec. 23, T. 7 N., R. 28 E., Henry County, at bridge on State Highway 10, 2.5 mi east of Abbeville.

DRAINAGE AREA.--46.7 mi^2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,200 ft^3/s. Bankfull stage and discharge, 4.5 ft and 200 ft^3/s.

REMARKS.--Peak discharges for 1951 and 1953 are estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 =	1,570	
Q_5 =	3,050	
Q_{10} =	4,250	
Q_{25} =	5,980	
Q_{50} =	7,420	
Q_{100} =	8,970	

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.185
Standard deviation	= 0.352
Station skew	= 0.530
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951		9.10	7,020	1959	Feb. 5	6.3	1,100	1967	Jan. 3	6.41	1,300
1952	Feb. 16	6.0	830	1960	Apr. 5	6.3	1,100	1968	Nov. 1	5.22	420
1953	May 4	10.31	13,000	1961	Mar. 31	6.13	1,020	1969	May 15	6.52	1,420
1954	Dec. 6	6.5	1,300	1962	Apr. 1	7.06	2,290	1970	Mar. 31	6.54	1,450
1955	Apr. 13	5.1	330	1963	Feb. 12	6.90	1,970	1971	Feb. 22	7.14	2,460
1956	Sept.25	7.4	3,200	1964	Mar. 3	6.96	2,080	1972	Dec. 21	6.90	1,970
1957	Apr. 6	6.9	1,970	1965	Feb. 18	5.69	674	1973	Dec. 8	7.39	2,440
1958	Apr. 10	5.5	500	1966	Mar. 4	6.50	1,400	1974	Dec. 26	6.99	1,850

02343300 ABBIE CREEK NEAR HALEBURG, ALA.

LOCATION.--Lat 31°28'24", long 85°09'45", in E½ sec. 19, T. 6 N., R. 29 E., Henry County, at right bank on downstream side of pier of bridge 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.--144 mi^2.

GAGE.--Recording. Datum of gage is 145.74 ft above mean sea level, datum of 1929.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 13.0 ft and 2,800 cfs. Bankfull stage and discharge, 12.0 ft and 2,600 cfs.

REMARKS.--Peak discharge for 1958 is estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE

Q_2	= 2,540
Q_5	= 3,780
Q_{10}	= 4,620
Q_{25}	= 5,680
Q_{50}	= 6,470
Q_{100}	= 7,260

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.397
Standard deviation	= 0.213
Station skew	= 0.248
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1958	Apr. 10	6.57	1,000	1963	Feb. 12	11.42	2,690	1968	Dec. 11	6.93	1,330
1959	Feb. 5	8.13	1,460	1964	Mar. 3	13.19	3,340	1969	May 15	14.40	3,660
1960	Apr. 5	11.98	2,880	1965	Dec. 26	11.67	2,730	1970	Mar. 31	23.84	7,590
1961	Mar. 31	12.60	3,000	1966	Mar. 5	9.45	2,210	1971	Jan. 5	10.38	2,340
1962	Jan. 6	14.42	3,840	1967	Jan. 3	8.69	1,940	1972	Dec. 21	9.45	2,060

02343500 CHATTAHOOCHEE RIVER AT COLUMBIA, ALA.

LOCATION.--Lat 31°17'11", long 85°05'45", in T. 4 N., R. 29 E., Houston County, on downstream side of bridge on State Highway 52, 0.2 mi downstream from Central of Georgia Railway bridge, 0.5 mi upstream from Omussee Creek, 0.5 mi east of Columbia, and at mile 48.9.

DRAINAGE AREA.--8,040 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 72.23 ft above mean sea level (levels by Corps of Engineers).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 115,000 ft^3/s and extended above on basis of slope-conveyance study at 203,000 ft^3/s. Bankfull stage and discharge, 45 ft and 93,000 ft^3/s.

HISTORICAL DATA.--Flood of March 1929 thought to be the highest since 1827, based on information from local residents and for station upstream on Chattahoochee River at Columbia.

REMARKS.--Peak discharges are slightly regulated by Lake Sidney Lanier, West Point Lake, Bartletts Ferry Reservoir (Lake Harding) (For flood-control capacities, see station 02341500.), and Walter F. George Lake (maximum flood-control capacity, 244,400 acre-ft) since 1963. Flood-frequency values shown are based on station downstream on Chattahoochee River at Alaga (02344000).

FLOOD-FREQUENCY DATA (ft^3/s)
33 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE

Q_2	= 67,000
Q_5	= 98,000
Q_{10}	= 117,000
Q_{25}	= 142,000
Q_{50}	= 162,000
Q_{100}	= 178,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.810
Standard deviation	= 0.188
Station skew	= -0.793
Regional or weighted skew	= -0.793

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1929	Mar. 18	56.00	a203,000	1940	Feb. 19	32.6	51,200	1951	Apr. 24	22.5	28,800
1930	Oct. 2	45.6	105,000	1941	Mar. 9	16.0	18,400	1952	Mar. 26	40.7	71,100
1931	Nov. 18	38.9	69,300	1942	Mar. 24	42.3	81,300	1953	May 4	45.8	92,000
1932	Feb. 24	28.2	42,100	1943	Mar. 24	49.5	119,000	1954	Dec. 7	36.1	57,300
1933	Mar. 22	37.2	63,800	1944	Mar. 25	45.8	97,000	1955	Apr. 16	28.0	39,500
1934	Mar. 6	36.0	63,200	1945	Apr. 28	35.6	59,600	1956	Mar. 19	33.7	51,200
1935	Mar. 8	30.6	49,100	1946	Mar. 30	39.8	72,600	1957	Dec. 26	35.2	55,000
1936	Apr. 12	46.6	102,000	1947	Mar. 9	35.7	59,900	1958	Mar. 10	39.4	74,900
1937	Mar. 22	34.8	57,200	1948	July 14	43.3	81,200	1959	June 4	31.7	51,700
1938	Apr. 11	44.7	91,500	1949	Dec. 1	49.3	111,000	1960	Apr. 5	44.2	84,800
1939	Mar. 3	41.3	77,600	1950	Mar. 7	22.2	28,300	1961	Mar. 1	47.9	110,000

02343700 STEVENSON CREEK NEAR HEADLAND, ALA.

LOCATION.--Lat 31°21', long 85°13', in S½ sec. 36, T. 5 N., R. 28 E., Henry County, near left bank on upstream side of bridge on State Highway 134, 1 mi upstream from mouth, and 9.5 mi east of Headland.

DRAINAGE AREA.--12.4 mi^2.

GAGE.--Crest-stage gage. Datum of gage, 150.39 ft above mean sea level. Prior to Sept. 30, 1965, recording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 10.0 ft 2,000 cfs. Bankfull stage and discharge, 5.0 ft and 500 cfs.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE

Q_2	= 2,540
Q_5	= 3,780
Q_{10}	= 4,620
Q_{25}	= 5,680
Q_{50}	= 6,470
Q_{100}	= 7,260

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.033
Standard deviation	= 0.275
Station skew	= 0.180
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1960	Apr. 4	7.92	728	1965	Apr. 19	10.31	2,530	1970	Dec. 25	4.97	458
1961	Apr. 15	9.13	1,070	1966	Feb. 28	7.02	872	1971	Mar. 26	8.74	1,500
1962	Jan. 6	12.01	3,120	1967	Dec. 31	4.58	396	1972	May 8	6.08	649
1963	Feb. 11	8.53	978	1968	Dec. 10	6.68	784	1973	June 7	8.57	1,420
1964	Mar. 2	9.90	2,200	1969	Mar. 18	6.00	633	1974	Jan. 2	9.87	2,180

02344000 CHATTAHOOCHEE RIVER AT ALAGA, ALA.

LOCATION.--Lat 31°06'54", long 85°02'43", Early County, Ga., on downstream side of bridge on U.S. Highway 84, 0.5 mi downstream from Seaboard Coast Line Railroad bridge, 0.5 mi south of Alaga, Ala., and at mile 34.4.

DRAINAGE AREA.--8,340 mi^2, approximately.

GAGE.--Water-stage recorder. Nonrecording gage prior to Jan. 17, 1960. Datum of gage is 62.72 ft above mean sea level (levels by Corps of Engineers). Prior to October 1936, at site 0.5 mi upstream at datum 2.45 ft higher. Jan. 17, 1960, to Aug. 25, 1962, nonrecording gage, and since Aug. 26, 1962, auxiliary water-stage recorder at bridge 10.8 mi downstream.

STAGE-DISCHARGE RELATION.--Defined at present site by current-meter measurements below 115,000 ft^3/s. Defined at former site by 4 discharge measurements made during period 1908-11, stage relation between sites, and discharge records for station on Chattahoochee River at Columbia. Bankfull stage and discharge, 32 ft and 60,000 ft^3/s.

HISTORICAL DATA.--Flood of March 1929 thought to be the highest since 1827, based on station on Chattahoochee River at Columbia, Ala.

REMARKS.--Gage-height record for 1905-36 furnished by National Weather Service. Peak discharges for 1937, 1938, and 1945-60 estimated, based on station on Chattahoochee River at Columbia, Ala. Peak discharges are slightly regulated by Lake Sidney Lanier, West Point Lake, Bartletts Ferry Reservoir, and Walter F. George Lake (For flood-control storage figures see station 02343500.) Flood-frequency values shown are based on entire station record.

FLOOD-FREQUENCY DATA (ft^3/s)
64 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE

Q_2	= 69,300
Q_5	= 98,800
Q_{10}	= 116,000
Q_{25}	= 137,000
Q_{50}	= 150,000
Q_{100}	= 163,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.824
Standard deviation	= 0.200
Station skew	= -0.521
Regional or weighted skew	= -0.521

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1905	Feb. 14	34.0	67,100	1927	Feb. 17	18.7	28,300	1949	Dec. 1		110,000
1906	Mar. 23	29.7	51,400	1928	Apr. 24	39.6	104,000	1950	Mar. 7		28,300
1907	Oct. 21	26.8	44,300	1929	Mar. 18	46.0	a207,000	1951	Apr. 24		28,800
1908	Apr. 30	38.2	92,000	1930	Oct. 3	39.1	105,000	1952	Mar. 26		71,100
1909	Mar. 16	35.3	73,500	1931	Nov. 19	34.9	74,600	1953	May 4		92,000
1910	Apr. 19	27.6	46,100	1932	Feb. 24	25.4	44,300	1954	Dec. 7		57,300
1911	Jan. 6	18.5	27,900	1933	Mar. 22	33.2	68,500	1955	Apr. 16		39,500
1912	Apr. 23	38.9	97,600	1934	Mar. 7	33.5	64,500	1956	Mar. 19		51,200
1913	Mar. 18	40.2	110,000	1935	Mar. 9	28.6	50,100	1957	Dec. 26		55,000
1914	Apr. 17	14.8	21,400	1936	Apr. 12	40.5	104,000	1958	Mar. 10		74,900
1915	July 5	26.5	43,700	1937	Mar. 22		57,200	1959	June 4		51,700
1916	July 9	44.0	162,000	1938	Apr. 11		91,500	1960	Apr. 5		84,800
1917	Mar. 7	36.9	82,900	1939	Mar. 3	37.3	74,500	1961	Mar. 1	40.81	104,000
1918	Oct. 1	27.0	44,800	1940	Feb. 19	30.4	48,400	1962	Apr. 15	32.96	66,700
1919	Dec. 25	40.8	116,000	1941	Mar. 9	14.5	18,000	1963	Jan. 22	30.87	55,600
1920	Dec. 14	40.7	115,000	1942	Mar. 25	38.3	80,300	1964	Apr. 10	41.18	110,000
1921	Feb. 13	31.9	58,300	1943	Mar. 24	42.2	112,000	1965	Apr. 10	35.80	76,200
1922	Mar. 10	37.6	87,800	1944	Apr. 30	40.1	92,800	1966	Mar. 5	40.35	102,000
1923	Mar. 20	34.6	70,000	1945	Apr. 28		59,600	1967	Jan. 3	34.20	66,900
1924	Jan. 26	27.0	44,800	1946	Mar. 30		72,600	1968	Mar. 14	33.77	64,800
1925	Jan. 21	44.5	173,000	1947	Mar. 9		59,900	1969	Apr. 20	34.70	68,600
1926	Apr. 2	34.0	67,100	1948	July 14		81,200	1970	Mar. 24	36.05	74,300

02344300 CAMP CREEK NEAR FAYETTEVILLE, GA.

LOCATION.--Lat 33°31'00", long 84°25'39", Fayette County, at downstream side of bridge on State Highway 85, 3.5 mi upstream from mouth, and 5.2 mi north of Fayetteville.

DRAINAGE AREA.--17.2 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 800 ft (from topographic map).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,000 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
13 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	1,150	1,140
Q_5	1,730	1,750
Q_{10}	2,120	2,210
Q_{25}	2,640	2,830
Q_{50}	3,030	3,340
Q_{100}	3,420	3,820

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.058
Standard deviation	0.211
Station skew	1.249
Regional or weighted skew	-0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1961	Feb. 25	9.90	4,000	1966	Feb. 13	8.81	1,390	1970	Mar. 20	9.25	1,240
1962	Feb. 22	7.48	684	1967	Aug. 24	7.92	868	1971	Mar. 3	9.04	1,100
1963	Nov. 21	7.55	680	1968	Mar. 12	8.99	1,100	1972	Jan. 10	9.00	1,160
1964	Apr. 27	8.96	1,480	1969	Apr. 18	8.90	1,020	1973	Feb. 2	9.61	1,620
1965	Jan. 23	7.34	600								

02344500 FLINT RIVER NEAR GRIFFIN, GA.

LOCATION.--Lat 33°14'39", long 84°25'45", Spalding County, at downstream side of pier of bridge on State Highway 16, 1.5 mi downstream from Shoal Creek, 5.5 mi upstream from Line Creek, 10 mi west of Griffin, and at mile 304.4.

DRAINAGE AREA.--272 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 711.44 ft above mean sea level (levels by Corps of Engineers). Prior to Aug. 25, 1938, nonrecording gage at present site at datum 3.00 ft higher. Aug. 25, 1938, to May 5, 1941, nonrecording gage, May 6, 1941, to Aug. 20, 1959, water-stage recorder, and Aug. 21, 1959, to Sept. 13, 1960, nonrecording gage, all at present site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 12,600 ft^3/s. Bankfull stage and discharge, 10 ft and 1,500 ft^3/s.

HISTORICAL DATA.--Flood stage for 1929 based on floodmark furnished by local resident.

FLOOD-FREQUENCY DATA (ft^3/s)
38 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	4,770	4,830
Q_5	8,200	8,310
Q_{10}	10,700	10,900
Q_{25}	14,100	14,400
Q_{50}	16,600	17,000
Q_{100}	19,300	19,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.666
Standard deviation	0.291
Station skew	-0.689
Regional or weighted skew	-0.265

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1929	Mar. 14	17.9	a15,300	1950	Feb. 11	8.97	875	1963	June 20	12.88	4,850
1938	Apr. 3	13.0	5,200	1951	Apr. 23	8.78	920	1964	Apr. 28	13.46	5,810
1939	Feb. 28	12.0	3,650	1952	Mar. 4	13.9	6,480	1965	Dec. 27	11.37	2,880
1940	July 12	10.6	2,080	1953	May 1	11.55	2,860	1966	Feb. 13	14.48	7,520
1941	Mar. 28	9.0	1,040	1954	Dec. 7	11.14	2,640	1967	Aug. 26	12.34	3,880
1942	Mar. 22	17.0	13,000	1955	Apr. 14	10.66	2,370	1968	Mar. 14	12.82	4,550
1943	Jan. 19	13.8	6,310	1956	Mar. 18	12.66	4,590	1969	Apr. 20	12.50	4,170
1944	Mar. 23	12.4	4,170	1957	Apr. 5	13.2	5,330	1970	Mar. 22	14.12	6,820
1945	Apr. 25	14.6	7,750	1958	Feb. 7	12.8	4,730	1971	Mar. 3	16.70	12,300
1946	Jan. 7	15.4	9,350	1959	June 2	13.1	5,180	1972	Jan. 11	14.46	7,850
1947	Mar. 8	13.3	5,490	1960	Apr. 4	12.8	4,730	1973	Dec. 15	13.21	4,960
1948	May 31	12.4	4,170	1961	Feb. 26	16.18	11,100	1974	Jan. 3	11.51	3,110
1949	Nov. 27	18.0	13,200	1962	Feb. 23	12.39	3,900				

02344700 LINE CREEK NEAR SENOIA, GA.

LOCATION.--Lat 33°19'10", long 84°31'25", Coweta County, on downstream side of bridge on State Highway 85, 2.2 mi northeast of Senoia, 4.1 mi upstream from Whitewater Creek, and 11.2 mi upstream from mouth.

DRAINAGE AREA.--101 mi^2, approximately.

GAGE.--Water-stage recorder. Altitude of gage is 740 ft, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 4,800 ft^3/s. Bankfull stage and discharge, 8 ft and 760 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	3,140	3,130
Q_5	4,500	4,700
Q_{10}	5,450	5,960
Q_{25}	6,680	7,580
Q_{50}	7,630	8,990
Q_{100}	8,600	10,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.497
Standard deviation	0.187
Station skew	-0.963
Regional or weighted skew	-0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Jan. 24	10.40	1,660	1969	Apr. 19	11.36	3,200	1972	Jan. 11	12.47	4,700
1966	Feb. 14	12.27	4,380	1970	Mar. 20	12.03	4,180	1973	Feb. 2	11.69	3,630
1967	Oct. 24	10.76	2,540	1971	Mar. 3	12.63	4,950	1974	Jan. 1	9.39	1,410
1968	Mar. 13	11.33	3,160								

02345000 FLINT RIVER NEAR MOLENA, GA.

LOCATION.--Lat 32°59'21", long 84°31'45", Pike County, on downstream side of bridge on State Highway 18, 500 ft downstream from Southern Railway bridge, 0.5 mi downstream from Poppys Creek, 1.8 mi upstream from Elkins Creek, 2 mi southwest of Molena, and at mile 278.1.

DRAINAGE AREA.--990 mi^2, approximately.

GAGE.--Nonrecording prior to December 1945; water-stage recorder thereafter. Datum of gage is 646.78 ft above mean sea level (levels by Corps of Engineers).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 30,000 ft^3/s. Bankfull stage and discharge, 14 ft and 9,000 ft^3/s.

REMARKS.--Records for 1939-43 furnished by Corps of Engineers. Records for 1900-27 estimated from gaging station on Flint River at Woodbury (drainage area, 1,090 mi^2, approximately).

FLOOD-FREQUENCY DATA (ft^3/s)
41 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	14,500	14,300
Q_5	24,900	24,300
Q_{10}	32,500	31,500
Q_{25}	42,900	40,700
Q_{50}	51,000	48,600
Q_{100}	59,300	55,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	4.150
Standard deviation	0.289
Station skew	-0.705
Regional or weighted skew	-0.229

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1900	June 24	-	15,800	1914	Apr. 15	-	6,770	1939	Mar. 31	18.9	16,400
1901	May 23	-	18,200	1915	Dec. 5	-	10,700	1940	July 11	12.6	7,680
1902	Feb. 28	-	30,200	1916	July 10	-	26,100	1941	Mar. 28	8.0	2,300
1903	Feb. 8	-	25,800	1917	Mar. 5	-	18,100	1942	Mar. 23	23.3	24,500
1904	Aug. 8	-	15,000	1918	Jan. 31	-	8,320	1943	Jan. 20	19.3	17,100
1905	Feb. 14	-	9,100	1919	Dec. 24	-	19,100	1946	Jan. 8	21.7	21,800
1906	Mar. 21	-	12,800	1920	Dec. 11	-	38,400	1947	Mar. 8	18.8	16,200
1907	Feb. 7	-	6,520	1921	Feb. 11	-	17,800	1948	July 11	24.7	28,400
1908	Apr. 27	-	16,200	1922	Mar. 11	-	23,900	1949	Nov. 27	25.9	31,100
1909	Mar. 13	-	19,200	1923	Mar. 13	-	17,800	1950	Mar. 6	9.67	4,140
1910	Mar. 1	-	8,450	1924	Jan. 17	-	7,530	1951	Apr. 23	9.28	3,780
1911	Aug. 3	-	5,820	1925	Jan. 19	-	37,200	1952	Mar. 5	19.5	17,400
1912	Mar. 16	-	26,300	1926	Apr. 1	-	12,600	1953	May 1	14.9	10,700
1913	Mar. 15	-	35,300	1927	Mar. 11	-	6,400				

02345500 FLINT RIVER NEAR WOODBURY, GA.

LOCATION.--Lat 32°57'59", long 84°31'58", Meriwether County, on downstream side of Macon and Birmingham Railroad bridge (abandoned), 0.2 mi downstream from Elkins Creek, 0.3 mi upstream from Cane Creek, 3 mi east of Woodbury, and at mile 276.1.

DRAINAGE AREA.--1,090 mi^2, approximately.

GAGE.--Nonrecording. Prior to May 24, 1918, at site 300 ft upstream. Datum of gage is 649 ft above mean sea level (from Corps of Engineers low-water profile).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 20,000 ft^3/s. Bankfull stage and discharge, 9 ft and 16,000 ft^3/s.

REMARKS.--Stage records for 1921-27 from National Weather Service. All peak discharges are maximum daily. Flood-frequency values shown are based on weighted values for gaging station upstream on Flint River near Molena (station 02345000).

FLOOD-FREQUENCY DATA (ft^3/s)

YEARS OF RECORD	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	= 15,200	-
Q_5	= 25,700	-
Q_{10}	= 33,300	-
Q_{25}	= 43,600	-
Q_{50}	= 51,400	-
Q_{100}	= 58,800	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=
Standard deviation	=
Station skew	=
Regional or weighted skew	=

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1900	June 24	9.00	15,800	1910	Mar. 1	6.00	8,450	1919	Dec. 24	10.50	19,100
1901	May 23	10.00	18,200	1911	Aug. 3	4.60	5,820	1920	Dec. 11	17.10	38,400
1902	Feb. 28	14.00	30,200	1912	Mar. 16	13.00	26,300	1921	Feb. 11	10.00	17,800
1903	Feb. 8	13.00	25,800	1913	Mar. 15	16.20	35,300	1922	Mar. 11	12.20	23,900
1904	Aug. 8	8.70	15,000	1914	Apr. 15	5.30	6,770	1923	Mar. 13	10.00	17,800
1905	Feb. 14	6.30	9,100	1915	Dec. 5	7.20	10,700	1924	Jan. 17	5.60	7,530
1906	Mar. 21	7.80	12,800	1916	July 10	13.00	26,100	1925	Jan. 19	16.70	37,200
1907	Feb. 7	5.00	6,520	1917	Mar. 5	10.10	18,100	1926	Apr. 1	7.90	12,600
1908	Apr. 27	9.20	16,200	1918	Jan. 31	6.00	8,320	1927	Mar. 11	5.00	6,400
1909	Mar. 13	10.40	19,200								

02346180 FLINT RIVER NEAR THOMASTON, GA.

LOCATION.--Lat 32°50'20", long 84°25'27", Upson County, at downstream end of left bank pier of bridge on State Highway 36, 2.5 mi upstream from Lazar Creek, and 7.8 mi west of Thomaston.

DRAINAGE AREA.--1,220 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 490.00 ft above mean sea level (levels by Corps of Engineers).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 14,000 ft^3/s. Bankfull stage and discharge, 12 ft and 9,000 ft^3/s.

HISTORICAL DATA.--Peak discharge for 1949 thought to be highest since 1929, based on nearby stations.

REMARKS.--Records furnished by Corps of Engineers. Flood-frequency values shown are based on station upstream on Flint River near Molena (station 02345000). Peak discharge for 1949 and 1971 estimated.

FLOOD-FREQUENCY DATA (ft^3/s)

YEARS OF RECORD	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	= 16,200	-
Q_5	= 27,500	-
Q_{10}	= 35,600	-
Q_{25}	= 45,900	-
Q_{50}	= 54,900	-
Q_{100}	= 62,700	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=
Standard deviation	=
Station skew	=
Regional or weighted skew	=

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1949	Nov. 28	19.30	a43,000	1969	Apr. 19	13.87	15,200	1972	Jan. 13	15.27	20,500
1967	Aug. 27	12.20	9,700	1970	Mar. 22	15.82	22,700	1973	Apr. 8	13.58	14,200
1968	Mar. 12	14.57	17,700	1971	Mar. 3	18.40	36,000	1974	Feb. 16	14.49	17,400

02346193 SCOTT CREEK NEAR TALBOTTON, GA.

LOCATION.--Lat 32°39'48", long 84°36'06", Talbot County, at culvert on county road, 3.7 mi west of Talbotton.

DRAINAGE AREA.--3.36 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 322 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
6 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 679	642
Q_5	= 1,110	1,040
Q_{10}	= 1,420	1,320
Q_{25}	= 1,850	1,710
Q_{50}	= 2,190	2,040
Q_{100}	= 2,550	2,380

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.827
Standard deviation	= 0.257
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1969	Apr. 18	7.99	1,870	1971	Mar. 3	7.44	1,320	1973	Apr. 7	6.61	742
1970	Mar. 20	7.59	1,450	1972	Mar. 16	4.04	285	1974	Apr. 4	5.93	566

02346210 KIMBROUGH CREEK AT TALBOTTON, GA.

LOCATION.--Lat 32°41'19", long 84°30'48", Talbot County, at culvert on State Highway 22, 1.8 mi northeast of Talbotton.

DRAINAGE AREA.--6.62 mi^2.

GAGE.--Flood-stage, rainfall recorder prior to June 26, 1970; water-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 460 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
6 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 795	772
Q_5	= 1,310	1,260
Q_{10}	= 1,690	1,630
Q_{25}	= 2,220	2,140
Q_{50}	= 2,630	2,540
Q_{100}	= 3,060	2,960

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.896
Standard deviation	= 0.262
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1969	Apr. 18	6.31	1,800	1971	Mar. 25	3.96	841	1973	Apr. 7	4.20	925
1970	Mar. 19	5.19	1,320	1972	Jan. 13	2.14	279	1974	Apr. 4	3.39	642

02346217 CELEOTH CREEK NEAR MANCHESTER, GA.

LOCATION.--Lat 32°49'20", long 84°36'16", Talbot County, at culvert on county road, 2.2 miles south of Manchester.

DRAINAGE AREA.--2.82 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 86 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
6 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 249	259
Q_5	= 490	507
Q_{10}	= 693	713
Q_{25}	= 998	1,010
Q_{50}	= 1,260	1,270
Q_{100}	= 1,550	1,550

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.390
Standard deviation	= 0.355
Station skew	= -
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1969	Mar. 3	2.53	375	1971	Aug.	4.93	1,020	1973	Mar. 31	2.34	322
1970	Mar. 20	1.40	96	1972			d8	1974	Feb. 14	2.00	227

02346500 POTATO CREEK NEAR THOMASTON, GA.

LOCATION.—Lat 32°54'15", long 84°21'45", Upson County, on right bank 300 ft downstream from State Highway 74, 600 ft downstream from Basin Creek, 1,000 ft downstream from Central of Georgia Railway bridge, 1 mi downstream from Ten Mile Creek, and 2.5 mi northwest of Thomaston.

DRAINAGE AREA.—186 mi^2.

GAGE.—Water-stage recorder. Altitude of gage is 600 ft (by barometer). Prior to July 23, 1938, nonrecording gage at highway bridge 300 ft upstream at same datum.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 5,000 ft^3/s. Bankfull stage and discharge, 6 ft ant 3,000 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
36 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	3,720	3,770
Q_5	5,940	6,100
Q_{10}	7,540	7,860
Q_{25}	9,670	10,200
Q_{50}	11,300	12,000
Q_{100}	13,000	13,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.565
Standard deviation	0.247
Station skew	-0.312
Regional or weighted skew	-0.130

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1938	Apr. 8	6.85	4,640	1950	Mar. 7	4.89	1,500	1962	Mar. 12	6.40	3,760
1939	Feb. 28	6.47	4,000	1951	Apr. 24	4.51	997	1963	Jan. 20	6.18	3,400
1940	Jan. 14	5.19	1,750	1952	Mar. 5	7.30	5,810	1964	Apr. 8	7.39	6,400
1941	July 13	4.97	1,450	1953	Apr. 30	6.65	4,240	1965	Dec. 27	5.44	2,120
1942	Mar. 22	7.46	6,030	1954	Dec. 6	5.59	2,300	1966	Mar. 13	7.54	6,780
1943	Mar. 22	6.90	4,740	1955	Apr. 15	4.95	1,580	1967	Sept. 9	7.27	6,000
1944	Mar. 20	7.63	6,380	1956	Feb. 28	5.72	2,590	1968	Mar. 12	6.79	4,780
1945	Apr. 26	6.03	3,140	1957	Apr. 6	6.35	3,670	1969	Apr. 20	5.88	2,920
1946	Jan. 8	6.32	3,580	1958	Nov. 19	7.16	5,260	1970	Mar. 22	6.94	5,160
1947	Mar. 8	6.85	4,640	1959	June 2	7.25	5,480	1971	Mar. 3	8.81	10,600
1948	Feb. 9	5.62	2,400	1960	Mar. 30	5.95	2,980	1972	June 29	5.14	1,820
1949	Nov. 27	8.80	9,240	1961	Feb. 25	8.50	8,450	1973	Mar. 16	5.55	2,370

02347500 FLINT RIVER NEAR CULLODEN, GA.

LOCATION.—Lat 32°43'17", long 84°13'57", Upson County, on left bank underneath bridge on U.S. Highway 19, 4 mi upstream from Auchumpkee Creek, 5 mi downstream from Swift Creek, 13 mi southwest of Culloden, and at mile 238.4.

DRAINAGE AREA.—1,850 mi^2, approximately.

GAGE.—Water-stage recorder. Datum of gage is 334.54 ft above mean sea level. July 1, 1911, to Oct. 11, 1918, nonrecording gage and Oct. 12, 1918, to May 31, 1923, water-stage recorder, at site 2.5 mi downstream at different datum. July 21, 1928, to Dec. 31, 1931, and Mar. 18, 1937, to May 3, 1939, nonrecording gage at present site and datum.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 85,600 ft^3/s. Bankfull stage and discharge, 18 ft and 18,000 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
52 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	28,200	-
Q_5	46,000	-
Q_{10}	58,400	-
Q_{25}	74,600	-
Q_{50}	86,800	-
Q_{100}	99,100	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	4.438
Standard deviation	0.263
Station skew	-0.587
Regional or weighted skew	-0.280

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1913	Mar. 16	30.5	59,000	1941	Dec. 28	8.4	4,940	1958	Nov. 19	20.4	21,100
1914	Apr. 15	7.3	7,290	1942	Mar. 22	27.8	37,200	1959	June 2	26.8	34,400
1915	Jan. 18	12.0	13,900	1943	Mar. 22	29.6	43,100	1960	Mar. 30	21.0	22,200
1916	July 9	33.3	69,200	1944	Mar. 20	31.3	49,800	1961	Feb. 25	32.8	58,200
1917	Mar. 5	20.7	30,200	1945	Apr. 27	21.8	23,800	1962	Feb. 22	22.43	25,100
1918	Jan. 31	10.1	11,000	1946	Jan. 8	23.4	27,000	1963	Jan. 21	23.08	26,700
1919	Feb. 25	26.5	45,500	1947	Mar. 8	24.1	28,400	1964	Apr. 8	34.36	64,400
1920	Dec. 11	27.6	49,100	1948	July 12	23.8	27,800	1965	Dec. 25	27.47	39,400
1921	Feb. 11	19.3	27,200	1949	Nov. 28	34.7	54,900	1966	Feb. 14	28.45	42,400
1922	Mar. 11	27.2	47,800	1950	Mar. 5	13.8	11,000	1967	Dec. 29	14.21	12,700
1923	Mar. 19	20.2	29,100	1951	Apr. 23	12.0	8,940	1968	Mar. 13	25.52	33,600
1929	Mar. 15	38.4	92,000	1952	Mar. 4	28.2	37,700	1969	Apr. 18	22.88	27,200
1930	Oct. 2	25.2	38,900	1953	May 1	27.6	35,800	1970	Mar. 22	24.53	30,900
1931	Nov. 17	17.9	18,700	1954	Dec. 6	18.8	18,300	1971	Mar. 3	34.39	64,600
1937	Mar. 20	19.1	22,200	1955	Apr. 14	14.1	11,400	1972	Jan. 14	21.42	24,200
1938	Apr. 9	26.6	37,500	1956	Mar. 17	17.4	16,000	1973	Apr. 8	20.72	22,900
1939	Mar. 1	23.5	29,200	1957	Apr. 6	22.9	26,000	1974	Feb. 16	20.88	23,200
1940	Feb. 19	15.0	12,300								

02348300 PATSILIGA CREEK NEAR REYNOLDS, GA.

LOCATION.--Lat 32°34'20", long 84°05'27", Taylor County, at State Highway 128, 1 mi north of Reynolds.

DRAINAGE AREA.--139 mi^2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,320 ft^3/s. Bankfull stage and discharge, 7 ft and 750 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
12 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 1,170	1,200
Q_5	= 2,030	2,060
Q_{10}	= 2,670	2,710
Q_{25}	= 3,560	3,540
Q_{50}	= 4,260	4,250
Q_{100}	= 4,990	4,980

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.057
Standard deviation	= 0.294
Station skew	= 0.100
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1963	Jan. 21	7.87	1,590	1967	Feb. 7	6.85	920	1971	Mar. 3	7.94	1,400
1964	Apr. 9	9.09	3,320	1968	Dec. 29	5.59	377	1972	Jan. 14	6.37	500
1965	Dec. 26	7.87	1,590	1969	Apr. 19	6.58	760	1973	Apr. 7	7.27	900
1966	Mar. 4	8.55	3,200	1970	Mar. 30	7.56	1,620	1974	Apr. 5	6.93	670

02349000 WHITEWATER CREEK BELOW RAMBULETTE CREEK, NEAR BUTLER, GA.

LOCATION.--Lat 32°28'02", long 84°15'59", Taylor County, on left bank 500 ft downstream from bridge on U.S. Highway 19, and 6.5 mi south of Butler.

DRAINAGE AREA.--93.4 mi^2. At former site, 80 mi^2.

GAGE.--Nonrecording prior to Oct. 10, 1951; water-stage recorder, Oct. 10, 1951, to Sept. 30, 1971; crest-stage gage thereafter. Prior to Oct. 10, 1951, at site 500 ft upstream. Datum of gage is 365.85 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,300 ft^3/s. Peak discharge at former site adjusted to present site on basis of high-water discharge measurements made since 1952. Bankfull stage and discharge, 3 ft and 300 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
31 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 536	557
Q_5	= 813	877
Q_{10}	= 1,010	1,130
Q_{25}	= 1,260	1,400
Q_{50}	= 1,450	1,630
Q_{100}	= 1,640	1,860

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.725
Standard deviation	= 0.218
Station skew	= 0.941
Regional or weighted skew	= -0.110

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1944	Mar. 23	6.5	1,400	1955	Apr. 14	3.87	452	1965	Oct. 5	4.80	765
1945	Feb. 21	3.8	350	1956	Sept.26	3.82	440	1966	Mar. 4	5.87	1,230
1946	Dec. 25	4.3	460	1957	May 4	7.01	2,160	1967	June 5	3.62	399
1946	May 21	4.0	400	1958	Mar. 8	4.55	668	1968	Nov. 2	2.73	268
1948	July 10	4.6	545	1959	June 2	4.32	580	1969	May 19	2.52	245
1949	Nov. 29	4.8	610	1960	Mar. 30	4.38	615	1970	Mar. 31	3.19	328
1950	June 29	3.5	325	1961	Feb. 20	3.84	452	1971	Dec. 17	3.64	403
1951	Dec. 30	3.3	300	1962	Mar. 12	3.94	478	1972	June 29	3.45	368
1952	Mar. 24	4.06	503	1963	Jan. 21	4.54	668	1973	Dec. 6	4.39	588
1953	May 1	5.54	1,120	1964	Apr. 9	5.08	895	1974	Apr. 5	3.11	316
1954	Dec. 4	4.43	632								

02349500 FLINT RIVER AT MONTEZUMA, GA.

LOCATION.--Lat 32°17'53", long 84°02'36", Macon County, near left bank on downstream end of pier of bridge on State Highways 26 and 49, 1,000 ft upstream from Central of Georgia Railway bridge, 1,400 ft upstream from Seaboard Coast Line Railroad bridge, just upstream from Buck Creek, 1 mi west of Montezuma, and at mile 180.6.

DRAINAGE AREA.--2,900 mi^2, approximately. At site used prior to October 1925, 2,640 mi^2, approximately.

GAGE.--Nonrecording prior to Dec. 13, 1941; water-stage recorder thereafter. Prior to October 1925, at site 1.5 mi upstream. Datum of gage is 255.83 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 65,000 ft^3/s. Bankfull stage and discharge, 15 ft and 15,000 ft^3/s.

HISTORICAL DATA.--Flood peak of 1897 probably highest since then, based on record at nearby gaging stations.

REMARKS.--Stage records for 1897 and 1905-29 from National Weather Service.

FLOOD-FREQUENCY DATA (ft^3/s)
71 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 27,500	
Q_5	= 46,100	
Q_{10}	= 59,500	
Q_{25}	= 77,100	
Q_{50}	= 90,600	
Q_{100}	= 104,000	

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.427
Standard deviation	= 0.278
Station skew	= -0.318
Regional or weighted skew	= -0.272

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1897	Mar. 2	26.0	a97,000	1928	Apr. 26	21.3	39,900	1952	Mar. 7	20.7	36,300
1905	Feb. 15	17.3	24,500	1929	Mar. 17	27.4	92,300	1953	May 4	20.4	34,500
1906	Jan. 26	15.0	15,800	1930	Oct. 4	20.3	33,900	1954	Dec. 9	17.4	21,200
1907	Feb. 8	13.0	11,000	1931	Nov. 20	17.8	23,100	1955	Apr. 18	14.4	13,500
1908	Apr. 29	23.2	66,000	1932	Jan. 11	14.1	12,600	1956	Mar. 21	16.1	17,500
1909	Mar. 16	18.7	31,800	1933	Feb. 23	16.7	19,000	1957	Apr. 9	18.7	26,000
1910	Mar. 4	15.8	18,400	1934	June 8	17.7	22,100	1958	Mar. 11	17.6	21,800
1911	Aug. 6	9.3	6,080	1935	Mar. 17	13.9	12,400	1959	June 5	19.3	28,900
1912	Mar. 18	20.6	43,700	1936	Apr. 12	22.8	54,600	1960	Apr. 7	18.5	25,200
1913	Mar. 18	22.34	57,400	1937	Mar. 23	17.3	20,900	1961	Feb. 28	24.0	58,800
1914	Apr. 18	9.0	5,500	1938	Apr. 11	21.0	42,300	1962	Mar. 15	18.7	26,000
1915	Jan. 21	15.0	15,800	1939	Mar. 3	19.8	34,800	1963	Jan. 23	19.7	30,900
1916	July 12	22.0	54,500	1940	Feb. 22	15.5	16,000	1964	Apr. 10	25.0	67,100
1917	Mar. 7	18.2	29,100	1941	Mar. 11	9.3	6,280	1965	Dec. 29	20.8	36,900
1918	Feb. 4	13.3	11,600	1942	Mar. 25	21.3	40,800	1966	Feb. 16	21.65	42,000
1919	Feb. 28	20.8	45,100	1943	Mar. 24	22.5	48,900	1967	Jan. 4	14.76	14,300
1920	Dec. 13	22.2	56,400	1944	Mar. 25	22.4	48,200	1968	Mar. 16	18.57	25,500
1921	Feb. 14	18.0	28,000	1945	Apr. 30	18.1	23,900	1969	Apr. 22	17.61	21,800
1922	Mar. 10	21.2	48,100	1946	Jan. 1	18.8	27,000	1970	Mar. 24	20.35	34,200
1923	Mar. 22	18.1	28,600	1947	Mar. 11	19.2	29,000	1971	Mar. 6	24.73	58,200
1924	Jan. 28	15.2	16,400	1948	Feb. 13	17.3	20,900	1972	Jan. 16	18.68	25,900
1925	Jan. 20	25.0	85,000	1949	Nov. 30	25.2	68,900	1973	Apr. 11	18.16	23,800
1926	Apr. 3	17.9	22,800	1950	Mar. 10	13.8	12,300	1974	Feb. 19	17.25	20,800
1927	Mar. 15	10.9	7,890	1951	Apr. 27	11.6	8,700				

02349900 TURKEY CREEK AT BYROMVILLE, GA.

LOCATION.--Lat 32°11'44", long 83°54'03", Dooly County, on downstream side of bridge on State Highway 90, 0.5 mi southwest of Byromville, and 11 mi upstream from mouth.

DRAINAGE AREA.--45 mi^2, approximately.

GAGE.--Water-stage recorder. Prior to June 19, 1958, crest-stage gage at site 50 ft upstream at same datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,800 ft^3/s. Bankfull stage and discharge, 10 ft and 550 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
23 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 831	841
Q_5	= 1,930	1,860
Q_{10}	= 2,930	2,720
Q_{25}	= 4,530	4,000
Q_{50}	= 5,950	5,170
Q_{100}	= 7,560	6,490

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.905
Standard deviation	= 0.447
Station skew	= -0.694
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1952	Mar. 12	9.79	474	1960	Apr. 5	11.49	2,140	1968	Jan. 11	7.40	58
1953	May 3	10.03	560	1961	Apr. 13	10.14	624	1969	May 27	10.78	1,100
1954	Dec. 14	10.12	610	1962	Jan. 7	10.02	556	1970	Mar. 31	13.30	3,940
1955	Apr. 12	8.65	150	1963	July 10	11.38	1,970	1971	Mar. 3	11.06	1,210
1956	Mar. 20	8.83	184	1964	Feb. 18	10.80	1,150	1972	Jan. 13	12.54	2,760
1957	May -	9.73	447	1965	Dec. 26	11.41	2,020	1973	Feb. 2	11.17	1,300
1958	Mar. 11	11.20	1,680	1966	Mar. 4	12.26	3,220	1974	Apr. 5	9.80	500
1959	Mar. 6	10.33	751	1967	Jan. 2	9.74	428				

02350000 FLINT RIVER NEAR VIENNA, GA.

LOCATION.--Lat 32°03'38", long 83°58'36", Dooly County, at bridge on State Highway 27, 300 ft downstream from Turkey Creek, 12 mi west of Vienna, and at mile 261.9.

DRAINAGE AREA.--3,390 mi^2, approximately.

GAGE.--Nonrecording. Datum of gage is 220.28 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 53,000 ft^3/s. Bankfull stage and discharge, 16 ft and 12,500 ft^3/s.

HISTORICAL DATA.--Peak of 1925 was the highest since 1897, based on records for gaging station upstream on Flint River at Montezuma (02349500).

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1925	Jan. 20	31.20	a89,000	1928	Apr. 26	24.40	45,500	1930	Oct. 6	23.00	36,500
1927	Mar. 16	13.30	8,490	1929	Mar. 18	30.60	a 85,500	1949	Dec. 2	26.00	63,000

02350500 FLINT RIVER AT OAKFIELD, GA.

LOCATION.--Lat 31°46'07", long 83°59'24", Worth County, on downstream side of center pier of Albany and Northern Railroad bridge, 1 mi southwest of Oakfield, 1 mi upstream from Jones Creek, 9.7 mi downstream from Crisp County Dam, and at mile 125.0.

DRAINAGE AREA.--3,860 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 193.29 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 50,000 ft^3/s. Bankfull stage and discharge, 18 ft and 23,000 ft^3/s.

HISTORICAL DATA.--Flood stage of 1925 determined from high-water mark furnished by local resident. The Jan. 20, 1925, peak is the highest since 1897, based on records for gaging station upstream on Flint River at Montezuma (02349500).

REMARKS.--Regulation by storage in Lake Blackshear does not materially affect peak discharges.

FLOOD-FREQUENCY DATA (ft^3/s)
29 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE

Q_2	= 24,600
Q_5	= 38,700
Q_{10}	= 48,600
Q_{25}	= 61,500
Q_{50}	= 71,400
Q_{100}	= 81,500

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.385
Standard deviation	= 0.238
Station skew	= -0.159
Regional or weighted skew	= -0.162

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1925	Jan. 20	35.10	a90,000	1940	Feb. 24	18.90	24,300	1950	Mar. 11	11.3	12,400
1929	Mar. 18	34.00	a85,000	1941	Mar. 23	6.70	6,010	1951	Apr. 28	12.2	13,700
1931	Nov. 23	16.30	20,200	1942	Mar. 27	25.40	41,400	1952	Mar. 30	20.9	28,400
1932	Jan. 14	11.80	13,200	1943	Mar. 26	27.00	44,800	1953	May 7	22.5	32,100
1933	Feb. 27	17.30	21,600	1944	Mar. 25	27.7	48,800	1954	Dec. 12	17.2	21,700
1935	Mar. 20	11.00	11,800	1945	May 2	17.2	21,700	1955	Apr. 19	11.9	13,200
1936	Apr. 15	27.20	46,800	1946	Jan. 14	19.4	25,600	1956	Mar. 23	14.6	17,400
1937	Jan. 11	15.50	18,700	1947	Mar. 14	20.2	27,100	1957	Apr. 12	17.5	22,200
1938	Apr. 13	24.40	37,200	1948	Apr. 2	20.5	27,600	1958	Mar. 13	18.6	24,200
1939	Mar. 5	22.90	33,200	1949	Dec. 3	30.1	60,500				

02350520 ABRAMS CREEK TRIBUTARY NEAR DOLES, GA.

LOCATION.--Lat 31°40'46", long 83°48'04", Worth County, at culvert on State Highway 32, 5 mi east of Doles.

DRAINAGE AREA.--3.77 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 320 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 347	325
Q_5	= 516	491
Q_{10}	= 629	603
Q_{25}	= 772	746
Q_{50}	= 878	858
Q_{100}	= 983	967

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.533
Standard deviation	= 0.211
Station skew	= --
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 20	3.75	302	1969	Aug. 2	3.93	330	1972	Dec. 20	3.33	190
1966	Mar. 4	4.43	402	1970	June 4	3.76	304	1973	Apr. 26	3.49	242
1967	Jan. 1	5.99	652	1971	Mar. 3	3.34	194	1974	Feb. 7	3.51	248
1968	Mar. 11	2.46	d47								

02350600 KINCHAFOONEE CREEK AT PRESTON, GA.

LOCATION.--Lat 32°03'09", long 84°32'54", Webster County, near right bank on downstream side of bridge on State Highway 41, 1 mi southwest of Preston, and 1 mi upstream from Harrel Mill Creek.

DRAINAGE AREA.--197 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 337.7 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 4,400 ft^3/s and extended above on basis of slope-conveyance studies. Bankfull stage and discharge, 6 ft and 1,000 ft^3/s.

HISTORICAL DATA.--Flood stages of January 1943 and April 1948 based on information furnished by the Georgia Department of Transportation. Based on information furnished by local residents, the flood of January 1943 was the highest since about 1900.

REMARKS.--Peak discharge for 1943 and 1948 estimated. Peak discharge for 1967 is maximum daily.

FLOOD-FREQUENCY DATA (ft^3/s)
25 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 2,670	2,580
Q_5	= 4,640	4,480
Q_{10}	= 6,150	5,880
Q_{25}	= 8,290	7,810
Q_{50}	= 10,000	9,500
Q_{100}	= 11,900	11,400

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.422
Standard deviation	= 0.289
Station skew	= -0.034
Regional or weighted skew	= -0.090

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1943	Jan.	11.4	a16,000	1959	Feb. 5	6.98	1,900	1967	Jan. 2	--	1,800
1948	Apr.	10.0	a9,500	1960	Mar. 31	6.96	1,840	1968	Mar. 14	5.24	521
1952	Mar. 24	7.44	2,610	1961	Apr. 1	8.41	4,700	1969	May 20	6.05	1,050
1953	May 4	8.80	6,000	1962	Apr. 2	6.62	1,520	1970	Mar. 30	8.96	8,200
1954	Dec. 7	7.65	2,980	1963	Jan. 22	6.88	1,780	1971	Mar. 27	7.43	3,210
1955	Apr. 15	7.15	2,120	1964	Apr. 9	7.26	2,520	1972	Jan. 14	7.57	3,040
1956	Sept.26	6.70	1,520	1965	Dec. 26	7.77	4,040	1973	Dec. 7	8.63	5,480
1957	May 5	8.23	4,320	1966	Mar. 4	8.09	4,970	1974	Apr. 6	6.66	1,600
1958	Mar. 9	7.00	1,900								

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA.

LOCATION.--Lat 31°45'52", long 84°15'12", Lee County, at State Highway 32, 5.2 mi northwest of Leesburg, and 10 mi east of Dawson.

DRAINAGE AREA.--527 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 211.74 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 5,900 ft^3/s and extended above on basis of slope-conveyance studies. Bankfull stage and discharge, 15 ft and 3,600 ft^3/s.

HISTORICAL DATA.--Flood stage of January 1943 based on information furnished by local residents. The January 1943 flood was the highest since 1900, based on information from local residents.

REMARKS.--Peak discharge for 1943 estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
18 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 3,560	3,600
Q_5 = 5,600	5,830
Q_{10} = 7,080	7,460
Q_{25} = 9,070	9,650
Q_{50} = 10,600	11,500
Q_{100} = 12,300	13,600

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.549
Standard deviation	= 0.236
Station skew	= 0.010
Regional or weighted skew	= -0.060

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1943	Jan.	23	a20,000	1954	Dec. 9	15.0	3,600	1960	Apr. 6	19.4	7,800
1949	June	17.8	5,880	1955	Apr. 17	11.8	2,100	1961	Apr. 13	17.7	5,760
1950	Apr.	11.0	1,860	1956	Sept.26	12.2	2,240	1962	Jan. 9	15.94	4,180
1951	Apr. 20	9.03	1,070	1957	May 14	14.3	3,210	1963	Jan. 22	12.96	2,560
1952	Mar. 28	13.4	2,760	1958	Mar. 11	14.3	3,210	1964	Sept.15	16.51	4,600
1953	May 6	17.8	5,880	1959	Feb. 5	14.0	3,060	1965	Dec. 27	18.17	6,360

02351500 MUCKALEE CREEK NEAR AMERICUS, GA.

LOCATION.--Lat 32°04'59", long 84°15'29", Sumter County, at State Highway 30, 1 mile west of Americus.

DRAINAGE AREA.--140 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 319.98 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,660 ft^3/s. Bankfull stage and discharge, 6 ft and 600 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
12 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 1,430	1,500
Q_5 = 3,030	3,050
Q_{10} = 4,410	4,270
Q_{25} = 6,500	5,970
Q_{50} = 8,290	7,550
Q_{100} = 10,300	9,300

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.142
Standard deviation	= 0.399
Station skew	= 0.780
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1963	Jan. 22	6.48	870	1967	Jan. 4	6.85	1,050	1971	Mar. 26	6.86	1,060
1964	Jan. 10	6.99	1,140	1968	--	--	d480	1972	Jan. 14	7.31	1,340
1965	Oct. 25	8.26	2,170	1969	--	--	d480	1973	Apr. 27	9.69	3,730
1966	Mar. 4	9.77	3,820	1970	Mar. 31	11.51	6,320	1974	Apr. 6	7.53	1,490

02351700 MUCKALEE CREEK NEAR SMITHVILLE, GA.

LOCATION.--Lat 31°53'43", long 84°11'52", Lee County, at State Highway 118, 3 mi east of Smithville.

DRAINAGE AREA.--265 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 257.83 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 5,200 ft^3/s. Bankfull stage and discharge, 6 ft and 1,200 ft^3/s.

HISTORICAL DATA.--Flood stage of March 1929 based on information furnished by local resident. Flood stage of April 1948 based on information furnished by Georgia Department of Transportation and is thought to be the highest since 1900.

REMARKS.--Peak discharge for 1929, 1948, and 1951 estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
17 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 2,080	2,160
Q_5	= 3,430	3,650
Q_{10}	= 4,500	4,810
Q_{25}	= 6,040	6,440
Q_{50}	= 7,340	7,900
Q_{100}	= 8,770	9,490

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.326
Standard deviation	= 0.252
Station skew	= 0.354
Regional or weighted skew	= 0.169

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1929	Mar.	11.00	a6,500	1955	Apr. 15	6.79	1,850	1961	Apr. 13	7.95	3,220
1948	Apr.	14.00	a13,000	1956	Feb. 7	5.34	720	1962	Jan. 8	8.02	3,220
1951	Mar. 19	--	1,040	1957	Apr. 7	6.00	1,100	1963	Feb. 12	6.52	1,520
1952	Nov. 16	6.98	2,100	1958	Feb. 28	6.84	1,850	1964	Jan. 12	7.59	2,680
1953	Sept.28	7.01	2,100	1959	Feb. 5	6.68	1,740	1965	Dec. 27	8.79	4,600
1954	Dec. 15	6.76	1,850	1960	Apr. 4	9.21	5,400				

02351800 MUCKALOOCHEE CREEK AT SMITHVILLE, GA.

LOCATION.--Lat 31°54'19", long 84°14'44", Lee County, at State Highway 118, at Smithville.

DRAINAGE AREA.--47 mi^2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 277.98 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,860 ft^3/s. Discharge for 1943 peak estimated, based on nearby stations. Bankfull stage and discharge, 4 ft and 500 ft^3/s.

HISTORICAL DATA.--Flood peaks of January 1943 and April 1948 based on information furnished by Georgia Department of Transportation. Flood of January 1943 is probably highest since 1900, based on information furnished by local residents.

REMARKS.--Peak discharge for 1943 estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
26 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 639	671
Q_5	= 1,280	1,330
Q_{10}	= 1,840	1,890
Q_{25}	= 2,730	2,730
Q_{50}	= 3,530	3,490
Q_{100}	= 4,450	4,360

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.809
Standard deviation	= 0.354
Station skew	= 0.187
Regional or weighted skew	= 0.058

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1943	Jan.	10.80	a6,500	1958	Feb. 27	3.92	510	1967	Jan. 4	4.64	904
1948	Apr.	5.2	1,260	1959	Feb. 5	3.59	395	1968	--	--	d118
1950	July 8	3.61	395	1960	Apr. 4	5.86	1,760	1969	Sept.23	2.57	161
1952	Feb. 17	3.32	305	1961	Apr. 12	4.52	820	1970	Mar. 31	6.25	2,040
1953	May 4	4.64	860	1962	Jan. 8	4.88	1,060	1971	Mar. 26	4.30	700
1954	Dec. 14	3.94	510	1963	Feb. 12	4.05	550	1972	Jan. 14	4.21	655
1955	Apr. 15	3.15	280	1964	Jan. 12	4.71	940	1973	Apr. 27	4.44	784
1956	May 6	2.60	162	1965	Dec. 27	6.09	1,920	1974	Apr. 6	3.91	514
1957	Apr. 6	3.54	360	1966	Mar. 4	6.87	2,560				

02351900 MUCKALEE CREEK NEAR LEESBURG, GA.

LOCATION.--Lat 31°43'55", long 84°07'30", Lee County, at State Highway 32, 2.8 mi east of Leesburg.

DRAINAGE AREA.--405 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 206.88 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 4,800 ft^3/s and extended above, based on slope-conveyance study. Bankfull stage and discharge, 11 ft and 2,200 ft^3/s.

HISTORICAL DATA.--Flood peaks of April 1948 based on information furnished by local residents and is thought to be the highest since 1900.

REMARKS.--Peak discharge for 1948 estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
16 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	2,370	2,520
Q_5	3,900	4,280
Q_{10}	5,160	5,710
Q_{25}	7,070	7,780
Q_{50}	8,740	9,660
Q_{100}	10,600	11,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.390
Standard deviation	0.246
Station skew	0.655
Regional or weighted skew	0.370

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1948	Apr.	19.7	a16,000	1956	Mar. 22	7.91	1,040	1961	Apr. 13	12.52	3,300
1951	Mar. 30	7.78	1,020	1957	Apr. 10	10.0	1,650	1962	Jan. 9	12.28	3,140
1952	Feb. 17	10.5	1,860	1958	Mar. 2	11.7	2,450	1963	Feb. 13	10.80	2,080
1953	May 8	10.8	2,000	1959	Feb. 5	11.4	2,300	1964	Jan. 12	12.97	3,800
1954	Dec. 16	11.5	2,350	1960	Apr. 6	14.77	5,860	1965	Dec. 27	14.52	6,80C
1955	Apr. 16	10.1	1,690								

02352500 FLINT RIVER AT ALBANY, GA.

LOCATION.--Lat 31°35'39", long 84°08'39", Dougherty County, on right bank at downstream side of Georgia Northern Railway bridge in Albany, and at mile 103.4.

DRAINAGE AREA.--5,310 mi^2, approximately.

GAGE.--Nonrecording prior to Sept. 3, 1929; water-stage recorder thereafter. Prior to Sept. 3, 1939, at site 1 mi downstream at datum 2.0 ft lower.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 75,000 ft^3/s. Bankfull stage and discharge, 23 ft and 33,000 ft^3/s.

REMARKS.--Peak stages for periods 1893-1901 and 1922-29 furnished by National Weather Service. Capacity of powerplant reservoirs upstream is insufficient to materially affect peak discharges.

FLOOD-FREQUENCY DATA (ft^3/s)
82 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	31,700	
Q_5	47,800	
Q_{10}	58,900	
Q_{25}	73,100	
Q_{50}	83,800	
Q_{100}	94,600	

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	4.496
Standard deviation	0.216
Station skew	-0.149
Regional or weighted skew	-0.150

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1893	Aug. 21	14.1	18,900	1921	Feb. 18	17.3	23,400	1948	Apr. 2	27.5	45,800
1894	Feb. 20	18.7	25,600	1922	Mar. 16	26.8	43,300	1949	Dec. 4	31.5	64,300
1895	Mar. 20	25.8	40,500	1923	Mar. 25	22.8	33,000	1950	Mar. 12	11.5	14,500
1896	Feb. 13	16.8	22,700	1924	Apr. 19	14.4	19,400	1951	Apr. 28	12.7	16,000
1897	Mar. 25	32.4	72,800	1925	Jan. 21	[1]37.8	92,000	1952	Mar. 30	23.0	32,200
1898	Sept. 2	18.0	24,500	1926	Apr. 7	19.4	26,600	1953	May 8	26.3	41,400
1899	Feb. 15	22.6	32,600	1927	Mar. 17	9.8	13,000	1954	Dec. 12	20.2	26,800
1900	Feb. 18	29.8	55,900	1928	Apr. 24	29.4	58,100	1955	Apr. 19	13.4	17,200
1901	Sept.22	26.0	41,000	1929	Mar. 20	34.4	78,800	1956	Mar. 23	15.2	19,600
1902	Mar. 7	22.9	33,300	1930	Oct. 4	25.1	37,100	1957	Apr. 12	19.4	25,500
1903	Feb. 17	25.0	38,400	1931	Nov. 21	19.2	25,000	1958	Mar. 14	22.1	30,300
1904	Feb. 13	19.2	27,400	1932	Jan. 14	13.5	16,400	1959	June 8	20.5	27,400
1905	Feb. 17	25.3	39,200	1933	Feb. 27	18.6	23,800	1960	Apr. 7	30.8	57,000
1906	Jan. 27	18.1	25,100	1934	Mar. 12	17.3	21,700	1961	Mar. 3	29.0	48,000
1907	Feb. 11	11.1	14,600	1935	Mar. 19	11.7	14,700	1962	Mar. 17	12.8	29,700
1908	May 3	28.0	47,800	1936	Apr. 15	29.0	52,300	1963	Jan. 26	21.6	29,300
1909	Mar. 20	22.4	32,500	1937	Mar. 27	16.0	20,600	1964	Apr. 14	31.1	58,600
1910	Apr. 24	12.7	17,000	1938	Apr. 14	25.8	39,800	1965	Dec. 31	25.6	37,200
1911	Jan. 10	7.8	10,400	1939	Mar. 5	25.6	39,200	1966	Mar. 7	34.72	77,000
1912	Apr. 24	30.1	57,300	1940	Feb. 19	19.9	26,300	1967	Jan. 4	20.7	27,700
1913	Mar. 21	30.3	58,300	1941	Mar. 24	8.0	8,890	1968	Mar. 17	19.10	25,100
1914	Mar. 3	9.0	11,900	1942	Mar. 27	26.7	43,200	1969	Apr. 24	16.66	21,500
1915	Jan. 25	16.6	22,800	1943	Jan. 22	31.6	64,800	1970	Apr. 2	30.69	54,800
1916	July 15	27.4	45,500	1944	Mar. 26	31.2	62,800	1971	Mar. 9	31.01	56,000
1917	Mar. 11	20.8	28,900	1945	May 2	18.5	24,200	1972	Jan. 16	22.62	31,300
1918	Feb. 9	12.3	17,100	1946	Jan. 14	21.2	28,600	1973	Feb. 4	24.68	35,400
1919	Mar. 3	27.8	47,200	1947	Mar. 14	23.4	33,200	1974	Apr. 7	18.77	25,000
1920	Apr. 5	26.2	41,600								

[1] Present site and datum.

02353000 FLINT RIVER AT NEWTON, GA.

LOCATION.—Lat 31°18'34", long 84°20'06", Baker County, on downstream side of pier of bridge on State Highway 37 at Newton, 1 mi downstream from Coolewahee Creek, and at mile 69.5.

DRAINAGE AREA.—5,740 mi^2, approximately.

GAGE.—Water-stage recorder. Datum of gage is 110.20 ft above mean sea level (levels by Corps of Engineers). Prior to Nov. 12, 1956, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 66,000 ft^3/s. Bankfull stage and discharge, 24 ft and 35,000 ft^3/s.

HISTORICAL DATA.—Peak stage of January 1925 from floodmarks. The January 1925 flood was the highest since at least 1893, based on gaging station upstream on Flint River at Albany.

REMARKS.—Peak discharges for 1948-49 and 1956 estimated, based on gaging station upstream on Flint River at Albany.

FLOOD-FREQUENCY DATA (ft^3/s)
38 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 32,000	
Q_5 = 46,900	
Q_{10} = 56,600	
Q_{25} = 68,400	
Q_{50} = 77,000	
Q_{100} = 85,300	

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.495
Standard deviation	= 0.207
Station skew	= -0.334
Regional or weighted skew	= -0.294

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1925	Jan. 21	41.3	a94,000	1950	Mar. 13	13.2	13,200	1963	Jan. 28	20.5	26,700
1938	Apr. 15	25.6	40,000	1951	Apr. 29	14.0	14,600	1964	Apr. 15	30.2	53,400
1939	Mar. 7	25.7	40,200	1952	Mar. 31	22.3	30,400	1965	Jan. 2	25.1	37,900
1940	Feb. 22	19.2	25,400	1953	May 10	25.7	40,000	1966	Mar. 9	34.6	66,600
1941	Mar. 24	10.4	8,940	1954	Dec. 12	19.7	25,200	1967	Jan. 6	20.16	26,000
1942	Mar. 30	26.8	43,000	1955	Apr. 20	14.5	15,600	1968	Mar. 19	18.15	22,200
1943	Mar. 27	29.6	51,100	1956	Mar. 24	—	19,000	1969	Apr. 26	16.20	18,600
1944	Mar. 28	31.7	59,600	1957	Apr. 13	19.2	24,200	1970	Apr. 4	28.76	47,300
1945	May 3	18.2	23,400	1958	Mar. 15	22.2	30,100	1971	Mar. 11	30.34	52,000
1946	Jan. 16	21.0	29,200	1959	June 9	19.3	24,400	1972	Jan. 20	22.45	30,600
1947	Mar. 15	22.5	32,600	1960	Apr. 8	30.9	52,400	1973	Feb. 5	22.50	30,800
1948	Apr. 3	—	45,000	1961	Mar. 4	27.7	45,700	1974	Apr. 8	18.15	22,200
1949	Dec. 5	—	64,000	1962	Mar. 19	20.4	26,500				

02353100 ICHAWAYNOCHAWAY CREEK NEAR DAWSON, GA.

LOCATION.—Lat 31°46'18", long 84°33'45", Terrell County, at State Highway 50, 70 miles west of Dawson.

DRAINAGE AREA.—118 mi^2.

GAGE.—Crest-stage gage. Datum of gage is 272.70 ft above mean sea level.

STAGE-DISCHARGE RELATION.—Defined by current-meter measurements below 2,230 ft^3/s. Bankfull stage and discharge, 8 ft and 1,400 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
12 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 1,630	1,600
Q_5 = 2,650	2,650
Q_{10} = 3,370	3,380
Q_{25} = 4,320	4,360
Q_{50} = 5,050	5,220
Q_{100} = 5,800	6,110

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.205
Standard deviation	= 0.256
Station skew	= -0.301
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1963	Feb. 12	7.88	1,280	1967	Jan. 4	8.37	1,670	1971	Mar. 26	7.93	1,300
1964	Jan. 10	8.40	1,700	1968	Dec. 10	6.57	505	1972	Dec. 20	7.60	1,070
1965	Jan. 27	9.34	2,790	1969	Mar. 19	7.21	816	1973	Apr. 27	8.78	2,110
1966	Mar. 4	9.71	3,420	1970	Mar. 31	10.05	3,960	1974	Apr. 5	8.43	1,730

02353200 NOCHAWAY CREEK NEAR SHELLMAN, GA.

LOCATION.--Lat 31°46'45", long 84°36'13", Randolph County, at State Highway 41, 1.5 mi north of Shellman.

DRAINAGE AREA.--52 mi^2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 288.26 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 560 ft^3/s. Stage-discharge relation unstable.

REMARKS.--Flood-frequency values not shown due to lack of definition of stage-discharge relation.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Apr. 1	4.04	544	1955	Apr.	3.30	282	1959	May 21	4.84	818
1952	Feb. 15	4.32	502	1956	Sept.	3.40	300	1960	Apr. 3	4.96	872
1953	May 3	6.91	--	1957	Apr. 6	4.02	450	1961	Apr. 12	3.52	320
1954	Dec. 8	4.17	449	1958	Feb. 27	4.02	450	1962	Jan. 7	6.60	--

02353400 PACHITLA CREEK NEAR EDISON, GA.

LOCATION.--Lat 31°33'18", long 84°40'51", Calhoun County, at bridge on State Highway 37, 3.5 mi east of Edison.

DRAINAGE AREA.--188 mi^2.

GAGE.--Crest-stage gage prior to June 9, 1959; water-stage recorder June 9, 1959, to Sept. 30, 1971; crest-stage gage thereafter. Prior to June 9, 1959, at site 200 ft downstream. Datum of gage is 288.26 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,400 ft^3/s. Bankfull stage and discharge, 6 ft and 800 ft^3/s.

REMARKS.--Peak discharge for 1960 and 1962 estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
25 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 2,950	2,810
Q_5	= 4,990	4,740
Q_{10}	= 6,480	6,100
Q_{25}	= 8,500	7,920
Q_{50}	= 10,100	9,520
Q_{100}	= 11,700	11,100

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.460
Standard deviation	= 0.279
Station skew	= 0.223
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1950	Sept. 1	7.37	2,700	1959	Mar. 7	7.19	2,280	1967	Jan. 2	7.44	2,420
1951	Apr. 1	6.30	1,130	1960	Apr. 5	9.19	6,800	1968	Dec. 12	6.25	995
1952	Feb. 14	6.74	1,650	1961	Apr. 1	8.97	6,110	1969	May 19	6.87	1,640
1953	Sept.30	6.63	1,510	1962	Jan. 7	10.34	11,500	1970	Mar. 31	8.94	6,020
1954	Dec. 27	7.02	2,060	1963	Feb. 12	7.24	2,380	1971	Jan. 5	8.14	3,800
1955	Apr. 17	6.28	1,110	1964	Jan. 9	8.12	3,800	1972	Jan. 14	8.05	3,680
1956	Feb. 18	7.01	2,040	1965	Dec. 26	8.99	6,170	1973	Dec. 9	8.10	3,700
1957	Apr. 7	7.27	2,500	1966	Mar. 5	8.50	4,700	1974	Jan. 3	8.88	5,840
1958	Mar. 9	6.82	1,760								

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.

LOCATION.--Lat 31°22'58", long 84°32'52", Baker County, on downstream end of left bank pier of bridge on State Highway 216 at Milford, 2.2 mi upstream from Alligator Creek, and 5.5 mi upstream from Chickasawhatchee Creek.

DRAINAGE AREA.--620 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 150.3 ft above mean sea level (levels by Georgia Department of Transportation). Aug. 29, 1905, to Dec. 31, 1907, nonrecording gage at several sites within 450 ft of present site at various datums. Oct. 1, 1939, to Nov. 10, 1941, nonrecording gage at site 100 ft downstream at present datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 10,000 ft^3/s. Bankfull stage and discharge, 7 ft and 3,400 ft^3/s.

HISTORICAL DATA.--Peak stage of July 1916 based on information furnished by local residents. The July 1916 peak, thought to be the highest since 1900, based on information from local residents and nearby gaging station.

REMARKS.--Peak discharge for 1947 estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
38 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	5,100	5,000
Q_5	8,310	8,200
Q_{10}	10,400	10,400
Q_{25}	13,400	13,200
Q_{50}	15,500	15,500
Q_{100}	17,600	17,900

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.693
Standard deviation	0.266
Station skew	-0.490
Regional or weighted skew	-0.335

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1906	June 14	12.8	8,780	1950	Sept. 3	4.76	2,360	1963	Feb. 14	7.10	3,450
1907	Sept.30	13.8	7,400	1951	Apr. 2	3.70	1,770	1964	Mar. 5	11.70	7,570
1916	July	17.20	a15,500	1952	Feb. 19	5.40	2,510	1965	Dec. 28	12.00	8,600
1940	Feb. 20	12.80	9,000	1953	May 8	7.60	3,800	1966	Mar. 6	13.23	9,480
1941	Nov. 17	4.16	1,940	1954	Dec. 16	7.90	4,010	1967	Jan. 4	9.38	5,590
1942	Mar. 23	7.87	4,010	1955	Apr. 17	3.40	1,540	1968	Mar. 14	3.01	1,370
1943	Jan. 21	13.90	10,100	1956	Feb. 18	6.40	3,020	1969	Mar. 27	4.78	2,340
1944	Apr. 17	13.00	9,000	1957	Apr. 8	7.00	3,380	1970	Apr. 2	13.01	9,210
1945	Sept.17	4.23	1,940	1958	Apr. 12	8.00	4,090	1971	Feb. 23	7.84	4,320
1946	Mar. 31	9.68	5,530	1959	Mar. 8	8.20	4,250	1972	Dec. 23	9.43	5,640
1947	Mar. 10	---	8,200	1960	Apr. 6	13.80	9,960	1973	Feb. 3	12.42	8,560
1948	July 12	12.30	8,230	1961	Apr. 17	12.00	7,900	1974	Feb. 9	9.67	5,850
1949	Dec. 9	11.80	7,680	1962	Jan. 9	10.60	6,400				

02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA.

LOCATION.--Lat 31°21'09", long 84°29'10", Baker County, at bridge on State Highway 37 at Elmodel and 2 mi upstream from mouth.

DRAINAGE AREA.--320 mi^2, approximately.

GAGE.--Nonrecording prior to Oct. 30, 1941; recording Oct. 30, 1941, to Dec. 31, 1949; crest-stage gage after Sept. 25, 1951. Datum of gage is 137.7 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,630 ft^3/s. Bankfull stage and discharge, 6 ft and 900 ft^3/s.

HISTORICAL DATA.--Flood of July 1916 thought to be the highest since 1916, based on nearby gaging stations.

REMARKS.--Peak discharge for 1916 and 1955 based on gaging station on Ichawaynochaway Creek at Milford and near Newton.

FLOOD-FREQUENCY DATA (ft^3/s)
25 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	1,760	1,880
Q_5	2,870	3,150
Q_{10}	3,680	4,110
Q_{25}	4,780	5,410
Q_{50}	5,640	6,480
Q_{100}	6,530	7,590

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.242
Standard deviation	0.255
Station skew	-0.002
Regional or weighted skew	-0.108

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1916	July	---	a9,000	1948	Mar. 10	11.9	3,630	1958	Apr. 10	9.56	2,140
1940	Feb. 21	11.5	3,180	1949	Dec. 11	10.6	2,700	1959	Mar. 7	8.91	1,830
1941	Mar. 26	4.88	608	1952	Feb. 19	6.75	1,120	1960	Apr. 6	11.8	3,550
1942	Jan. 8	9.1	1,920	1953	May 8	6.98	1,170	1961	Apr. 17	10.7	2,760
1943	Mar. 11	8.0	1,460	1954	Dec. 30	8.87	1,830	1962	Apr. 1	6.46	1,040
1944	Apr. 20	11.6	3,240	1955	Apr. 17	---	670	1963	Feb. 14	6.59	1,060
1945	Sept.20	5.32	724	1956	Apr. 2	6.23	965	1964	Mar. 5	11.38	3,250
1946	May 24	10.0	2,340	1957	Apr. 8	6.53	1,040	1965	Dec. 5	9.50	2,090
1947	Mar. 12	10.2	2,450								

02355000 ICHAWAYNOCHAWAY CREEK NEAR NEWTON, GA.

LOCATION.--Lat 31°16'00", long 84°29'00", Baker County, 300 ft upstream from bridge on State Highway 200, 4.5 mi downstream from Chickasawhatchee Creek, and 9 mi southwest of Newton.

DRAINAGE AREA.--1,020 mi^2, approximately.

GAGE.--Nonrecording prior to Nov. 24, 1941; water-stage recorder thereafter. Prior to Sept. 21, 1939, at site 5 mi downstream at different datum. Datum of gage is 113.8 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 10,000 ft^3/s. Bankfull stage and discharge, 7 ft and 3,500 ft^3/s.

HISTORICAL DATA.--Peak stages for July 1916 and January 1925 based on information furnished by local resident, and are at present site and datum. The July 1916 peak is thought to be the highest since 1916, based on nearby gaging stations.

FLOOD-FREQUENCY DATA (ft^3/s)
12 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 6,240	6,040
Q_5	= 10,700	10,500
Q_{10}	= 14,000	13,600
Q_{25}	= 18,300	17,700
Q_{50}	= 21,600	21,400
Q_{100}	= 24,900	25,400

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.780
Standard deviation	= 0.294
Station skew	= -0.434
Regional or weighted skew	= -0.309

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1916	July	[1]35.0	26,000	1940	Feb. 20	18.1	10,200	1944	Apr. 18	18.3	10,300
1925	Jan.	[1]30.0	21,000	1941	Mar. 12	4.4	2,080	1945	May 17	4.86	2,350
1938	Nov. 15	6.2	2,450	1942	Mar. 23	10.7	5,380	1946	Apr. 1	13.7	7,100
1939	Mar. 3	17.4	8,800	1943	Jan. 22	17.4	9,650	1947	Mar. 10	17.5	9,720

[1] At present site and datum.

02356000 FLINT RIVER AT BAINBRIDGE, GA.

LOCATION.--Lat 30°54'41", long 84°34'48", Decatur County, on downstream side of right major pier of Decatur County Memorial Bridge on U.S. Highway 84 at Bainbridge, 0.2 mi downstream from Seaboard Coast Line Railroad bridge, at mile 29.0, and 29.2 mi upstream from Jim Woodruff Dam.

DRAINAGE AREA.--7,570 mi^2, approximately.

GAGE.--Nonrecording prior to Jan. 16, 1929; water-stage recorder Jan. 16, 1929, to Sept. 30, 1971; nonrecording gage thereafter. Prior to Jan. 24, 1925, at datum 0.3 ft higher. Jan. 15, 1957, to Sept. 30, 1971, auxiliary water-stage recorder at site 6.4 mi upstream. Datum of gage is 58.06 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined for period after 1928 by current-meter measurements below 70,000 ft^3/s and extended above on basis of slope-conveyance studies. Prior to 1928, stage-discharge relation defined by seven current-meter measurements made during 1908-12, stage relation with gage on Flint River at Albany, and present stage-discharge relation. The change in stage-discharge relation of about 3 ft, from 1908 to 1928, is due either to a gradual shift in the channel or unknown change in datum. Stage-discharge relation affected by backwater from Jim Woodruff Reservoir since 1955. Bankfull stage and discharge, 18 ft and about 20,000 ft^3/s.

HISTORICAL DATA.--Peak of January 1925 is highest since 1893, based on information from National Weather Service.

REMARKS.--Peak stages for 1897, 1905-07, 1915-28, and 1972-74 are from National Weather Service.

FLOOD-FREQUENCY DATA (ft^3/s)
71 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 31,400	
Q_5	= 48,600	
Q_{10}	= 60,500	
Q_{25}	= 76,000	
Q_{50}	= 87,700	
Q_{100}	= 99,700	

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.490
Standard deviation	= 0.231
Station skew	= -0.167
Regional or weighted skew	= -0.169

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1897	Mar. 26	34.6	a83,000	1928	Apr. 27	32.5	59,400	1952	Apr. 1	24.0	31,000
1905	Feb. 19	23.6	40,000	1929	Mar. 21	37.7	83,200	1953	May 11	27.0	37,900
1906	Jan. 27	19.2	28,000	1930	Oct. 9	25.0	35,500	1954	Dec. 14	21.3	24,500
1907	Apr. 19	11.1	13,200	1931	Nov. 22	22.0	28,500	1955	Apr. 21	16.3	16,300
1908	May 6	27.1	47,600	1932	Jan. 15	16.0	16,500	1956	Mar. 24	17.7	18,400
1909	Mar. 26	22.1	33,600	1933	Mar. 1	20.8	25,900	1957	Apr. 14	23.3	26,100
1910	Mar. 11	14.6	17,900	1934	Mar. 13	18.4	20,900	1958	Mar. 15	25.4	34,400
1911	Jan. 11	8.7	9,060	1935	Mar. 15	14.5	14,200	1959	Mar. 10	23.4	26,800
1912	Apr. 26	33.5	72,800	1936	Apr. 17	30.9	51,700	1960	Apr. 9	30.2	59,600
1913	Mar. 23	31.4	63,500	1937	Apr. 10	21.8	25,000	1961	Mar. 6	26.8	44,100
1914	Mar. 6	12.7	14,200	1938	Apr. 16	26.4	36,200	1962	Apr. 19	23.50	27,700
1915	Jan. 26	18.2	23,700	1939	Mar. 7	27.7	40,700	1963	Jan. 29	23.30	27,600
1916	July 13	28.7	51,000	1940	Feb. 22	24.0	30,000	1964	Apr. 16	34.70	46,800
1917	Mar. 13	20.9	29,200	1941	Mar. 26	12.0	11,000	1965	Jan. 2	31.75	37,600
1918	Feb. 10	13.4	14,300	1942	Mar. 31	27.9	40,700	1966	Mar. 9	31.22	68,500
1919	Mar. 5	29.5	52,400	1943	Mar. 28	30.5	50,100	1967	Jan. 7	24.10	28,400
1920	Mar. 8	27.7	46,000	1944	Mar. 29	32.6	58,800	1968	Mar. 19	22.10	21,000
1921	Feb. 19	16.5	19,000	1945	May 3	19.8	21,900	1969	Apr. 26	21.57	17,700
1922	Mar. 18	26.6	41,800	1946	Apr. 2	23.9	29,800	1970	Apr. 4	28.12	48,600
1923	Mar. 27	22.7	31,400	1947	Mar. 16	25.0	32,400	1971	Mar. 12	27.65	46,400
1924	Apr. 20	18.5	22,100	1948	Apr. 5	33.2	61,500	1972	Jan. 19	24.33	29,600
1925	Jan. 24	40.9	a101,000	1949	Dec. 7	30.9	51,700	1973	Feb. 6	26.07	38,100
1926	Apr. 8	23.0	31,200	1950	Mar. 13	14.3	13,500	1974	Feb. 22	23.59	27,500
1927	Mar. 16	12.3	11,200	1951	Apr. 29	13.8	12,800				

02356100 SPRING CREEK NEAR ARLINGTON, GA.

LOCATION.--Lat 31°24'47", long 84°46'33", Early County, at State Highway 62, 3.5 mi southwest of Arlington.

DRAINAGE AREA.--49 mi^2, approximately.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,440 ft^3/s. Bankfull stage and discharge, 7 ft and 700 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	1,070	1,040
Q_5	1,980	1,890
Q_{10}	2,700	2,530
Q_{25}	3,720	3,390
Q_{50}	4,550	4,160
Q_{100}	5,420	4,960

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.018
Standard deviation	0.329
Station skew	-0.382
Regional or weighted skew	-0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Apr. 1	6.85	560	1956	Feb. 6	6.74	472	1961	Apr. 16	8.25	2,650
1952	Feb. 17	6.89	592	1957	Apr.	7.41	1,170	1962	Jan. 7	7.16	872
1953	Mar. 15	6.79	512	1958	Apr. 14	7.53	1,340	1963	Feb. 12	7.71	1,620
1954	Jan. 3	7.15	860	1959	Mar. 8	7.82	1,790	1964	Feb. 18	8.24	2,650
1955	Apr. 19	6.31	214	1960	Apr. 5	8.47	3,120	1965	Dec. 27	7.59	1,450

02357000 SPRING CREEK NEAR IRON CITY, GA.

LOCATION.--Lat 31°02'23", long 84°44'18", Decatur County, on right bank 125 ft below county highway bridge, 1.5 mi downstream from Aycock Creek, 1.5 mi upstream from Dry Creek, and 5.5 mi northeast of Iron City.

DRAINAGE AREA.--485 mi^2, approximately.

GAGE.--Nonrecording prior to Oct. 18, 1952; water-stage recorder, Oct. 18, 1952, to Apr. 30, 1971; crest-stage gage thereafter. Prior to Oct. 18, 1952, at site 125 ft upstream. Datum of gage is 85.7 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 8,000 ft^3/s. Bankfull stage and discharge, 11 ft and 1,700 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
37 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	3,500	3,510
Q_5	6,980	6,910
Q_{10}	9,820	9,590
Q_{25}	13,900	13,300
Q_{50}	17,300	16,600
Q_{100}	20,900	20,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.528
Standard deviation	0.371
Station skew	-0.586
Regional or weighted skew	-0.260

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1938	Nov. 16	13.4	3,160	1951	Apr. 5	6.6	563	1963	Feb. 15	13.4	2,860
1939	Mar. 2	16.0	5,300	1952	Feb. 19	12.4	2,310	1964	Mar. 6	17.3	7,360
1940	Feb. 20	17.3	7,080	1953	May 10	10.6	1,460	1965	Dec. 28	17.58	7,860
1941	Mar. 27	7.74	812	1954	Dec. 27	12.7	2,460	1966	Mar. 3	16.42	5,910
1942	Mar. 24	14.4	3,780	1955	Aug. 1	7.0	632	1967	Feb. 10	13.58	2,970
1943	Mar. 10	13.0	2,810	1956	Mar. 18	10.2	1,390	1968	Mar. 17	6.73	585
1944	Mar. 9	17.4	7,240	1957	Apr. 10	11.9	2,060	1969	Mar. 28	10.69	1,580
1945	Apr. 30	11.0	1,840	1958	Oct. 3	15.1	4,250	1970	Apr. 3	15.67	4,900
1946	Mar. 30	16.5	5,900	1959	Mar. 9	15.7	4,940	1971	Mar. 28	16.59	6,160
1947	Mar. 10	17.6	7,900	1960	Apr. 6	17.8	8,260	1972	Jan. 14	12.62	2,420
1948	Apr. 2	19.9	12,600	1961	Apr. 18	17.6	7,900	1973	Feb. 3	18.28	11,000
1949	Dec. 10	17.7	8,080	1962	Feb. 23	12.8	2,510	1974	Feb. 16	17.36	7,470
1950	Apr. 2	9.3	1,120								

02358000 APALACHICOLA RIVER AT CHATTAHOOCHEE, FLA.

LOCATION.--Lat 30°42'03", long 84°51'33", in NW sec. 32, T. 4 N., R. 6 W., Jackson County, on downstream side of right main pier of bridge on U.S. Highway 90, 0.6 mi downstream from Jim Woodruff Dam, 0.6 mi upstream from Mosquito Creek, 1 mi west of Chattahoochee, and 106 mi upstream from mouth.

DRAINAGE AREA.--17,200 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 40.58 ft above mean sea level (National Weather Service bench mark). Prior to Dec. 16, 1939, water-stage recorder at site 0.9 mi downstream at datum 4.27 ft higher. Dec. 16, 1939, to June 25, 1952, water-stage recorder, June 26, 1952, to June 2, 1954, nonrecording gage, and June 3, 1954, to Oct. 14, 1958, water-stage recorder at site approximately 100 ft downstream at datum 5.00 ft higher.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 200,000 ft^3/s.

HISTORICAL DATA.--Flood of March 1929 thought to be the highest since 1827, based on station on Chattahoochee River at Columbia (02343500).

REMARKS.--Peak discharges are regulated by Lake Seminole (maximum flood-control storage, 36,170 acre-ft) 0.6 mi upstream since Feb. 4, 1957; by Walter F. George Reservoir since 1962; by Bartletts Ferry Reservoir since 1926, and by Lake Sidney Lanier since 1956 (For flood-control storage figures see station 02343500.) Flood-frequency values shown are based on entire station record.

FLOOD-FREQUENCY DATA (ft^3/s)
55 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE

Q_2	= 88,200
Q_5	= 125,000
Q_{10}	= 148,000
Q_{25}	= 175,000
Q_{50}	= 194,000
Q_{100}	= 211,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.933
Standard deviation	= 0.193
Station skew	= -0.393
Regional or weighted skew	= -0.393

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1920	Dec. 17		130,000	1939	Mar. 5		101,000	1957	Apr. 9		95,400
1921	Feb. 15		72,000	1940	Feb. 21		70,700	1958	Mar. 11		94,000
1922	Mar. 15		119,000	1941	Mar. 10		24,600	1959	June 5	22.73	65,200
1923	Mar. 22		93,000	1942	Mar. 27		99,000	1960	Apr. 8	31.48	157,000
1924	Jan. 28		54,000	1943	Mar. 26		143,000	1961	Mar. 3	29.87	135,000
1925	Jan. 24		a246,000	1944	Apr. 2		142,000	1962	Apr. 16	24.46	77,900
1926	Apr. 4		87,000	1945	Feb. 25		58,300	1963	Jan. 24	23.04	67,900
1927	Feb. 17		38,000	1946	Apr. 2		85,200	1964	Apr. 13	30.04	146,000
1928	Apr. 27		157,000	1947	Mar. 11		72,800	1965	Dec. 29	26.52	106,000
1929	Mar. 20		a293,000	1948	Apr. 5		121,000	1966	Mar. 8	31.95	164,000
1930	Oct. 5		87,700	1949	Dec. 5		137,000	1967	Jan. 4	24.82	90,100
1931	Nov. 21		71,500	1950	Mar. 18		37,100	1968	Mar. 16	21.61	77,300
1932	Feb. 25		45,600	1951	Apr. 25		36,300	1969	Apr. 22	22.26	82,100
1933	Mar. 24		73,900	1952	Mar. 28		87,400	1970	Mar. 25	25.83	103,000
1934	Mar. 8		63,400	1953	May 8		91,300	1971	Mar. 7	29.22	136,000
1935	Mar. 10		46,800	1954	Dec. 16		61,000	1972	Jan. 16	26.24	103,000
1936	Apr. 15		145,000	1955	Apr. 17		44,300	1973	Apr. 3	29.10	135,000
1937	Apr. 12		74,500	1956	Mar. 21		65,900	1974	Apr. 7	22.05	77,200
1938	Apr. 13		108,000								

02358600 FLAT CREEK NEAR CHATTAHOOCHEE, FLA.

LOCATION.--Lat 30°37'43", long 84°50'06", in NE , sec. 28, T. 3 N., R. 6 W., Gadsden County, at bridge on State Highway 269, 5.3 mi south of Chattahoochee, and 6.1 mi upstream from mouth.

DRAINAGE AREA.--24.9 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 85.39 ft above mean sea level (Florida Department of Transportation bench mark).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

FLOOD-FREQUENCY DATA (ft^3/s)
14 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE

Q_2	= 861
Q_5	= 1,770
Q_{10}	= 2,550
Q_{25}	= 3,700
Q_{50}	= 4,680
Q_{100}	= 5,750

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.922
Standard deviation	= 0.384
Station skew	= 0.576
Regional or weighted skew	= -0.200

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1961	Aug. 30	7.87	668	1966	Feb. 28	9.66	1,810	1971	Mar. 2	7.52	532
1962	Apr. 1	9.58	1,740	1967	Jan. 3	7.99	716	1972			d522
1963	Jan. 25	7.62	568	1968			d520	1973	Apr. 4	10.21	2,360
1964	Sept.13	7.94	696	1969	Sept.22	13.62	b8,450	1974		7.48	d518
1965	Apr. 26	11.43	3,990	1970	Mar. 28	8.62	1,050				

02359000 CHIPOLA RIVER NEAR ALTHA, FLA.

LOCATION.--Lat 30°32'02", long 85°09'55", in NW sec. 32, T. 2 N., R. 9 W., Calhoun County, on right bank on downstream side of bridge on State Highway 274, 0.9 mi downstream from Holliman Branch, 3.5 mi southwest of Altha, and 5.4 mi upstream from mouth.

DRAINAGE AREA.--781 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 19.94 ft above mean sea level (levels by Corps of Engineers). Prior to Jan. 13, 1950, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 11,000 ft^3/s and extended above on basis of slope-area measurement at 25,000 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
41 YEARS OF RECORD
LOG-PEARSON TYPE III WEIGHTED AVERAGE

Q_2	= 5,110
Q_5	= 8,150
Q_{10}	= 10,400
Q_{25}	= 13,600
Q_{50}	= 15,900
Q_{100}	= 18,900

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.710
Standard deviation	= 0.243
Station skew	= 0.579
Regional or weighted skew	= -0.034

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1913	Mar. 22	21.1	5,650	1949	Dec. 13	21.95	6,100	1962	Apr. 6	21.25	5,720
1922	June 2	15.98	3,870	1950	Sept. 1	22.5	6,350	1963	July 27	15.81	3,360
1923	June 29	20.7	5,460	1951	Apr. 4	11.88	1,940	1964	May 7	26.05	8,960
1924	Sept.16	17.6	4,200	1952	Feb. 21	17.93	4,180	1965	Dec. 31	21.85	6,180
1925	Jan. 24	23.7	7,010	1953	Apr. 13	19.12	4,720	1966	Mar. 6	22.85	6,730
1926	Sept.20	33.55	25,000	1954	Dec. 28	18.90	4,620	1967	Jan. 11	19.03	4,810
1927	Nov. 22	13.52	2,680	1955	May 28	12.56	2,220	1968	Jan. 2	11.42	1,830
1930	Oct. 2	25.20	7,980	1956	July 4	14.53	2,900	1969	Sept.21	14.83	3,100
1931	Nov. 22	19.44	4,880	1957	June 9	15.55	3,270	1970	Feb. 18	18.93	4,630
1944	Mar. 28	19.18	4,780	1958	Apr. 16	20.38	5,310	1971	Mar. 20	14.68	3,040
1945	Feb. 12	12.33	2,090	1959	Apr. 3	19.11	4,720	1972	June 27	17.67	4,240
1946	May 22	23.85	7,070	1960	Apr. 8	28.42	11,100	1973	Apr. 5	23.42	7,070
1947	Mar. 13	26.42	9,080	1961	Apr. 21	21.96	6,080	1974	Feb. 13	18.05	4,390
1948	Apr. 4	32.2	19,100								

02379500 CARTECAY RIVER NEAR ELLIJAY, GA.

LOCATION.--Lat 34°40'53", long 84°27'20", Gilmer County, on right bank adjacent to State Highway 52, 0.8 mi downstream from Owltown Creek, 2 mi southeast of Ellijay, and 2 mi upstream from confluence with Ellijay River.

DRAINAGE AREA.--135 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 1,255.39 ft above mean sea level, Corps of Engineers bench mark. Prior to Dec. 19, 1938, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,900 ft^3/s and extended above on basis of slope-area measurement to 20,000 ft^3/s. Bankfull stage and discharge, 6 ft and 3,700 ft^3/s.

HISTORICAL DATA.--Peak of April 1938 is highest since 1886, based on nearby gaging stations.

FLOOD-FREQUENCY DATA (ft^3/s)
37 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	3,920	4,010
Q_5	6,460	6,660
Q_{10}	8,370	8,640
Q_{25}	11,000	11,300
Q_{50}	13,200	13,600
Q_{100}	15,400	15,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.592
Standard deviation	0.259
Station skew	-0.038
Regional or weighted skew	-0.033

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1938	Apr. 8	13.0	a20,000	1951	Mar. 29	10.4	12,000	1963	Apr. 30	7.76	6,440
1939	Feb. 15	4.77	2,280	1952	Mar. 11	6.8	4,860	1964	June 26	7.57	6,160
1940	Aug. 13	4.43	1,980	1953	Feb. 21	5.33	2,940	1965	Oct. 4	7.05	5,420
1941	July 5	4.14	1,700	1954	Jan. 16	9.6	10,000	1966	Mar. 4	6.76	5,010
1942	Feb. 17	5.73	3,360	1955	Mar. 22	6.8	4,860	1967	Aug. 23	6.25	4,090
1943	Dec. 29	5.88	3,620	1956	Apr. 15	6.1	3,880	1968	Apr. 5	4.70	2,230
1944	Feb. 27	5.50	3,120	1957	Apr. 4	7.53	5,940	1969	Feb. 2	5.60	3,240
1945	Feb. 17	3.50	1,150	1958	Dec. 20	4.76	2,280	1970	June 4	5.16	2,730
1946	Feb. 10	8.10	6,960	1959	Jan. 21	4.27	1,780	1971	Jan. 24	4.45	1,980
1947	Jan. 20	7.46	5,940	1960	Mar. 3	3.55	1,140	1972	Jan. 10	5.22	2,790
1948	Feb. 12	5.56	3,240	1961	Feb. 25	7.12	5,300	1973	May 28	9.22	9,100
1949	Nov. 28	6.77	4,860	1962	Dec. 12	8.53	7,760	1974	Apr. 13	6.70	4,720
1950	Mar. 13	7.74	6,260								

02380000 ELLIJAY RIVER AT ELLIJAY, GA.

LOCATION.--Lat 34°41'06", long 84°28'40", Gilmer County, on left bank at downstream side of bridge on State Highway 5 at Ellijay, and 1 mi upstream from confluence with Cartecay River.

DRAINAGE AREA.--90 mi^2, approximately.

GAGE.--Nonrecording gage prior to June 30, 1921, and Feb. 26 to July 8, 1953; water-stage recorder July 8, 1953, to Sept. 30, 1969; crest-stage gage thereafter. Prior to Feb. 26, 1953, at site 1,000 ft downstream at datum 1.44 ft lower. Datum of gage is 1,242.32 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 5,500 ft^3/s and extended above on basis of contracted-opening measurement at 15,300 ft^3/s. Bankfull stage and discharge, 14 ft and 5,000 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
22 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	3,730	3,760
Q_5	6,310	6,310
Q_{10}	8,310	8,150
Q_{25}	11,100	10,800
Q_{50}	13,400	12,900
Q_{100}	16,000	15,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.572
Standard deviation	0.271
Station skew	0.154
Regional or weighted skew	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1919	Mar. 5	8.00	1,660	1959	May 31	7.60	1,570	1966	Mar. 4	13.83	4,880
1920	Apr. 2	15.50	4,970	1960	Mar. 3	10.10	2,640	1967	Aug. 23	15.34	7,180
1921	Feb. 10	13.90	4,170	1961	Feb. 25	12.70	4,090	1968	Dec. 22	9.78	2,500
1954	Jan. 16	16.30	7,940	1962	Dec. 12	13.70	4,790	1969	Feb. 2	10.33	2,750
1955	Feb. 6	12.90	3,720	1963	Mar. 6	15.50	7,500	1970	June 4	8.27	1,840
1956	Apr. 16	13.40	4,580	1964	Mar. 26	14.40	5,460	1971	Aug. 9	6.88	1,280
1957	Feb. 1	14.80	5,860	1965	Oct. 4	17.90	15,300	1972	Jan. 10	8.02	1,740
1958	Nov. 18	10.40	2,780								

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA.

LOCATION.--Lat 34°40'18", long 84°30'31", Gilmer County, on right bank 0.5 mi downstream from State Highway 5, 2 mi southwest of Ellijay, and 2.2 mi downstream from confluence of Cartecay and Ellijay Rivers.

DRAINAGE AREA.--238 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 1,216.04 ft above mean sea level. Prior to June 10, 1940, nonrecording gage at site 0.5 mi upstream at datum 8.04 ft higher.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 13,000 ft^3/s and extended above on basis of contracted-opening measurement at 16,300 ft^3/s. Bankfull stage and discharge, 9 ft and 7,000 ft^3/s.

HISTORICAL DATA.--Peak of March 1951 is highest since 1938, based on data for nearby station.

FLOOD-FREQUENCY DATA (ft^3/s)
23 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 6,590	6,710
Q_5	= 11,000	11,700
Q_{10}	= 14,400	14,500
Q_{25}	= 19,200	19,200
Q_{50}	= 23,000	23,000
Q_{100}	= 27,200	26,600

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.818
Standard deviation	= 0.266
Station skew	= -0.071
Regional or weighted skew	= -0.011

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1939	Feb. 15	7.20	4,570	1947	Jan. 20	14.3	13,000	1968	Dec. 22	6.45	4,110
1940	Aug. 13	4.70	2,500	1948	Feb. 12	8.94	6,490	1969	Feb. 2	8.22	5,810
1941	July 5	4.17	2,040	1949	Nov. 28	13.1	11,400	1970	June 4	5.94	3,610
1942	Feb. 17	8.16	5,790	1951	Mar. 19	20.7	a22,000	1971	Jan. 24	5.35	3,100
1943	Dec. 29	9.78	7,470	1964	Mar. 26	12.72	10,900	1972	Jan. 10	6.76	4,410
1944	Feb. 27	8.48	6,090	1965	Oct. 4	17.63	17,000	1973	May 28	14.95	13,400
1945	Feb. 13	5.83	3,500	1966	Mar. 4	11.46	9,210	1974	Dec. 31	9.50	7,090
1946	Feb. 10	14.3	13,000	1967	Aug. 23	11.70	9,470				

02381100 MOUNTAINTOWN CREEK TRIBUTARY NEAR ELLIJAY, GA.

LOCATION.--Lat 34°42'04", long 84°31'54", Gilmer County, at culvert on State Highway 282, 3 mi west of Ellijay.

DRAINAGE AREA.--2.41 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 92 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 242	249
Q_5	= 408	420
Q_{10}	= 537	552
Q_{25}	= 719	734
Q_{50}	= 868	883
Q_{100}	= 1,030	1,040

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.384
Standard deviation	= 0.270
Station skew	= -
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Oct. 4	6.30	635	1969	Aug. 23	2.86	98	1972	Aug. 1	4.16	256
1966	Mar. 3	4.40	290	1970	June 4	3.11	125	1973	May 27	7.20	822
1967	Sept.28	4.01	235	1971	July 6	3.51	170	1974	Mar. 29	4.02	237
1968	July 26	3.47	165								

02381300 FIR CREEK NEAR ELLIJAY, GA.

LOCATION.--Lat 34°41'06", long 84°37'23", Gilmer County, at culvert on State Highway 282, 8 mi west of Ellijay.

DRAINAGE AREA.--1.35 mi^2.

GAGE.--Flood-stage, rainfall recorder prior to Oct. 1, 1974; crest-stage gage thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 46 ft^3/s and extended above on basis of culvert computations.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 96	117
Q_5 = 166	213
Q_{10} = 220	293
Q_{25} = 298	396
Q_{50} = 363	484
Q_{100} = 432	577

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 1.984
Standard deviation	= 0.28
Station skew	= 0.405
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1966	Mar. 4	4.80	280	1969	Feb. 2	2.18	68	1972	May 13	2.04	59
1967	May 12	2.28	74	1970	June 4	3.93	199	1973	May 27	3.39	156
1968	Dec. 22	2.18	68	1971	Feb. 26	1.66	38	1974	Dec. 31	2.79	108

02381600 FAUCETT CREEK NEAR TALKING ROCK, GA.

LOCATION.--Lat 34°34'17", long 84°27'55", Gilmer County, at culvert on secondary road 1011, 4.5 mi northeast of Talking Rock.

DRAINAGE AREA.--9.99 mi^2.

GAGE.--Flood-stage, rainfall recorder prior to Oct. 1, 1974; water-stage recorder thereafter. Altitude of gage is 1,320 ft, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 108 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 537	564
Q_5 = 946	995
Q_{10} = 1,270	1,330
Q_{25} = 1,740	1,800
Q_{50} = 2,140	2,200
Q_{100} = 2,560	2,620

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.730
Standard deviation	= 0.292
Station skew	= -
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1966	Mar. 4	7.80	1,130	1969	Feb. 2	5.42	610	1972	Jan. 4	4.78	493
1967	May 12	3.57	296	1970	June 4	4.22	397	1973	May 27	16.96	b3,160
1968	Apr. 5	4.02	363	1971	July 30	3.34	261	1974	Apr. 13	9.25	1,490

02381700 TOWN CREEK TRIBUTARY NEAR ELLIJAY, GA.

LOCATION.--Lat 34°36'29", long 84°31'42", Gilmer County, at culvert at State Highway 5, 6.5 mi south of Ellijay.

DRAINAGE AREA.--1.27 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 10 ft^3/s and extended above on basis of culvert computations.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1966	Apr. 28	5.62	b815	1968	Dec. 22	1.71	47	1970	Apr. 1	1.48	30
1967	Aug. 24	1.66	43	1969	Feb. 2	1.31	20	1971	Feb. 22	1.36	23

02381900 BALL CREEK NEAR TALKING ROCK, GA.

LOCATION.--Lat 34°31'52", long 84°34'11", Pickens County, at culvert on State Highway 156, 3.8 mi west of Talking Rock.

DRAINAGE AREA.--3.5 mi^2, approximately.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 437 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	484	475
Q_5 =	812	786
Q_{10} =	1,060	1,020
Q_{25} =	1,420	1,350
Q_{50} =	1,710	1,620
Q_{100} =	2,020	1,910

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.685
Standard deviation	=	0.267
Station skew	=	-
Regional or weighted skew	=	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Oct. 4	3.64	444	1969	May 19	4.00	480	1972	May 13	3.38	373
1966	Apr. 29	5.65	865	1970	Mar. 21	2.63	37	1973	May 27	6.69	1,240
1967	Oct. 18	2.99	125	1971	Sept. 1	3.74	454	1974	Dec. 31	4.37	526
1968	July 12	3.21	266								

02382000 SCARECORN CREEK AT HINTON, GA.

LOCATION.--Lat 34°28'04", long 84°35'30", Pickens County, on left bank 100 ft upstream from bridge on State Highway 53, 0.2 mi west of Hinton, 1 mi upstream from Deans Mill, and 5 mi upstream from mouth.

DRAINAGE AREA.--21.1 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 1,060 ft, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,030 ft^3/s and extended above on basis of flow over dam computation at 1,900 ft^3/s.

HISTORICAL DATA.--Flood of 1942 was highest since 1938, based on information from local resident.

REMARKS.--Peak discharge for 1961-64, 1966, and 1973, estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
18 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	1,100	1,140
Q_5 =	1,570	1,700
Q_{10} =	1,890	2,110
Q_{25} =	2,300	2,640
Q_{50} =	2,620	3,090
Q_{100} =	2,940	3,520

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.042
Standard deviation	=	0.182
Station skew	=	0.066
Regional or weighted skew	=	0.011

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1940	June 8	7.30	1,350	1963	Mar. 5	6.36	1,130	1969	Feb. 2	5.12	866
1941	Aug. 13	7.78	1,470	1964	Mar. 25	8.60	1,670	1970	Mar. 19	3.57	574
1942	Feb. 16	11.2	a2,500	1965	May 21	4.11	666	1971	Jan. 4	4.94	818
1960	Sept.27	4.71	740	1966	Apr. 22	8.45	1,640	1972	Jan. 10	5.00	833
1961	Feb. 25	9.08	1,800	1967	Aug. 24	3.79	614	1973	May 27	9.52	1,900
1962	Dec. 12	9.08	1,800	1968	Dec. 19	5.22	896	1974	Nov. 28	5.90	1,030

02382300 TALKING ROCK CREEK NEAR CARTERS, GA.

LOCATION.--Lat 34°35'20", long 84°40'05", Murray County, near center of channel on downstream side of pier of bridge on State Highway 156, 2.1 mi upstream from mouth, and 2.2 mi southeast of Carters.

DRAINAGE AREA.--142 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 667.76 ft above mean sea level (levels by Corps of Engineers). Water-stage recorder for station on Coosawattee River at Carters used as auxiliary gage for this station.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 8,700 ft^3/s. Stage-discharge relation affected by backwater from Coosawattee River. Bankfull stage and discharge, 16 ft and 6,500 ft^3/s.

REMARKS.--Peak stages furnished by Corps of Engineers.

FLOOD-FREQUENCY DATA (ft^3/s)
8 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 4,570	4,790
Q_5	= 7,940	8,200
Q_{10}	= 10,600	10,600
Q_{25}	= 14,400	13,900
Q_{50}	= 17,600	16,700
Q_{100}	= 21,000	19,100

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.660
Standard deviation	= 0.285
Station skew	= 0.805
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 26	17.98	11,600	1967	Aug. 24	10.07	3,200	1970	Mar. 19	7.35	2,080
1965	Oct. 4	14.60	3,300	1968	Jan. 10	12.40	4,200	1971	Jan. 24	10.20	2,830
1966	Mar. 4	18.23	12,700	1969	Feb. 2	15.17	4,980				

02382500 COOSAWATTEE RIVER AT CARTERS, GA.

LOCATION.--Lat 34°36'15", long 84°41'29", Murray County, on downstream side of left bank pier of bridge on U.S. Highway 411 at Carters, 200 ft upstream from Louisville & Nashville Railroad bridge, and 0.6 mi downstream from Talking Rock Creek.

DRAINAGE AREA.--531 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 650.67 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 26,000 ft^3/s. Bankfull stage and discharge, 22 ft and 11,000 ft^3/s.

HISTORICAL DATA.--Peak stages of April 1938 and March 1951 obtained from levels to floodmarks. The March 1951 flood is thought to be the highest since 1938, based on gaging station records downstream on Coosawattee River at Pine Chapel.

REMARKS.--Peak discharges are regulated by Carters Lake (maximum flood-control storage, 230,000 acre-ft) and Carters re-regulation dam since November 1974. Peak discharge for period of nonrecording gage record August 1896 to December 1908, and October 1918 to September 1923 was not defined. Records are furnished by the Corps of Engineers.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1938	Apr. 8	33.3	a46,000	1965	Oct. 5	27.50	24,100	1969	Feb. 2	23.73	13,800
1951	Mar. 30	36.00	a57,000	1966	Mar. 4	26.46	20,900	1970	June 5	16.75	6,910
1962	Dec. 12	28.40	25,200	1967	Aug. 24	20.48	9,220	1971	Jan. 24	18.62	8,030
1963	Mar. 6	27.80	22,600	1968	Dec. 22	21.63	10,100	1972	Jan. 4	21.59	10,100
1964	Mar. 26	28.10	25,800								

02382600 SUGAR CREEK NEAR CHATSWORTH, GA.

LOCATION.--Lat 34°40'26", long 84°42'40", Murray County, at culvert on U.S. Highway 411, 7.5 miles southeast of Chatsworth.

DRAINAGE AREA.--7.30 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 548 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	734	674
Q_5	1,080	1,010
Q_{10}	1,330	1,240
Q_{25}	1,650	1,550
Q_{50}	1,900	1,800
Q_{100}	2,150	2,040

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	2.829
Standard deviation	0.207
Station skew	-
Regional or weighted skew	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 26	3.53	630	1969	Feb. 2	2.70	486	1972	Jan. 4	2.60	462
1966	Mar. 4	7.00	995	1970	Apr. 1	3.20	585	1973	May 27	6.20	949
1967	May 12	2.33	391	1971	Feb. 26	1.80	252	1974	Dec. 31	5.60	899
1968	Dec. 22	3.70	665								

02382800 DRY CREEK AT OAKMAN, GA.

LOCATION.--Lat 34°33'13", long 84°42'27", Gordon County, at culvert on U.S. Highway 411, 0.8 mile south of Oakman.

DRAINAGE AREA.--3.06 mi^2.

GAGE.--Flood-stage, rainfall recorder prior to Aug. 11, 1970; water-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 40 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	358	359
Q_5	541	548
Q_{10}	671	683
Q_{25}	845	863
Q_{50}	980	1,000
Q_{100}	1,120	1,150

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	2.554
Standard deviation	0.213
Station skew	-
Regional or weighted skew	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	June 7	2.97	443	1969	Feb. 2	2.34	290	1972	Jan. 10	2.19	252
1966	Mar. 4	4.47	754	1970	Apr. 1	1.74	142	1973	May 27	4.22	721
1967	May 12	2.29	278	1971	Feb. 22	2.90	426	1974	Dec. 31	3.07	467
1968	Dec. 22	2.49	328								

02382900 PINE LOG CREEK NEAR RYDAL, GA.

LOCATION.--Lat 34°22'10", long 84°42'45", Bartow County, at U.S. Highway 411 (State Highway 61), 2 mi north of Rydal.

DRAINAGE AREA.--12.8 mi^2.

GAGE.--Crest-stage gage prior to Aug. 2, 2967; flood-stage recorder August 2 to December 18, 1967; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 800 ft^3/s.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	= 742	767
Q_5	= 1,140	1,200
Q_{10}	= 1,420	1,500
Q_{25}	= 1,810	1,920
Q_{50}	= 2,010	2,150
Q_{100}	= 2,420	2,570

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.870
Standard deviation	= 0.221
Station skew	= -
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 23	10.00	-	1968	Jan. 10	3.42	348	1972	Mar. 21	4.61	715
1965	Mar. 26	5.57	1,030	1969	Feb. 2	3.52	376	1973	Dec. 15	5.76	1,100
1966	Mar. 4	4.29	613	1970	Mar. 19	3.72	436	1974	Mar. 29	4.91	811
1967	Aug. 24	3.42	348	1971	Feb. 22	3.76	448				

02383000 ROCK CREEK NEAR FAIRMOUNT, GA.

LOCATION.--Lat 34°21'32", long 84°46'46", Bartow County, on right upstream wingwall of culvert on State Highway 140, 2.8 mi upstream from mouth and 7 mi southwest of Fairmount.

DRAINAGE AREA.--5.61 mi^2.

GAGE.--Water-stage recorder prior to May 2, 1968; water-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 350 ft^3/s and extended above on basis of culvert computations. Stage-discharge relation had considerable change after 1972 due to culvert installation near gage.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
23 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	= 434	447
Q_5	= 685	712
Q_{10}	= 870	909
Q_{25}	= 1,120	1,170
Q_{50}	= 1,320	1,380
Q_{100}	= 1,540	1,600

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.637
Standard deviation	= 0.236
Station skew	= -
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1952	Mar. 22	4.01	735	1960	Apr. 3	2.25	132	1968	Jan. 10	2.91	254
1953	Sept.25	3.04	313	1961	Feb. 25	4.01	735	1969	Feb. 2	3.34	362
1954	Jan. 16	4.18	820	1962	Dec. 12	4.25	855	1970	Mar. 19	2.92	257
1955	Mar. 22	4.03	745	1963	Apr. 29	3.70	580	1971	Feb. 22	2.93	282
1956	Apr. 16	2.82	249	1964	Mar. 25	[1]4.33	971	1972	Mar. 22	3.48	401
1957	Apr. 5	3.43	454	1965	Mar. 24	3.14	310	1973	May 27	6.00	860
1958	Sept.21	2.50	175	1966	Mar. 4	3.67	461	1974	Apr. 4	3.84	263
1959	May 20	2.39	155	1967	May 22	2.76	222				

[1] Peak stage of 4.43 occurred Feb. 10, 1964.

02383200 REDBUD CREEK NEAR RANGER, GA.

LOCATION.--Lat 34°31'57", long 84°43'39", Gordon County, at culvert on State Highway 156, 3.5 mi northwest of Ranger.

DRAINAGE AREA.--1.97 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 458 ft^3/s and extended above, based on culvert computations.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 306	298
Q_5	= 497	476
Q_{10}	= 641	604
Q_{25}	= 841	782
Q_{50}	= 1,000	923
Q_{100}	= 1,170	1,070

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.486
Standard deviation	= 0.251
Station skew	= -0.330
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 23	3.45	294	1968	Dec. 22	3.62	335	1972	Mar. 21	2.72	132
1965	Mar. 26	3.90	411	1969	Feb. 2	3.12	214	1973	May 27	4.62	678
1966	Mar. 4	4.70	710	1970	Mar. 19	2.62	112	1974	Dec. 31	3.77	375
1967	May 12	3.59	328	1971	Feb. 22	3.44	290				

02383220 REDBUD CREEK TRIBUTARY NEAR RANGER, GA.

LOCATION.--Lat 34°32'29", long 84°44'10", Gordon County, at culvert on State Highway 156, 3.2 mi northwest of Ranger.

DRAINAGE AREA.--0.56 mi^2.

GAGE.--Flood-stage recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 204 ft^3/s and extended above on basis of culvert computations.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 101	104
Q_5	= 192	187
Q_{10}	= 267	251
Q_{25}	= 381	339
Q_{50}	= 480	411
Q_{100}	= 590	488

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.006
Standard deviation	= 0.329
Station skew	= 1.104
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 26	3.41	170	1968	Dec. 22	2.21	72	1971	Feb. 22	1.94	53
1966	Apr. 28	4.35	264	1969	Feb. 2	2.21	72	1972	Mar. 21	2.09	63
1967	May 12	2.01	58	1970	Apr. 1	2.06	61	1973	May 27	5.64	410

02383500 COOSAWATTEE RIVER AT PINE CHAPEL, GA.

LOCATION.--Lat 34°34'37", long 84°51'35", Gordon County, on right bank at downstream edge of highway bridge at Pine Chapel, 4 mi downstream from Sallacoa Creek, 5 mi east of Resaca, and 6 mi upstream from confluence with Conasauga River.

DRAINAGE AREA.--856 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 616.16 ft above mean sea level (levels by Corps of Engineers). Prior to Feb. 23, 1940, nonrecording gage at same site and datum. Since Feb. 23, 1940, auxiliary water-stage recorder at highway bridge 2 mi upstream.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 29,000 ft^3/s. Stage-discharge relation is affected by backwater from Conasauga River, and the fall between gages is used as a factor in computing discharge. Bankfull stage and discharge, 23 ft and about 15,000 ft^3/s.

REMARKS.--Peak discharges are regulated by Carters Lake (maximum flood-control storage, 230,000 acre-ft) and Carters re-regulation dam since November 1974. Discharge given for 1947 is maximum daily discharge.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1938	Apr. 8	30.00	34,000	1951	Mar. 30	30.80	40,200	1963	Mar. 7	26.79	21,600
1939	Feb. 16	20.70	9,680	1952	Mar. 12	23.50	12,300	1964	Mar. 26	[1]29.29	32,000
1940	July 13	[1]13.90	6,560	1953	Jan. 10	19.50	9,310	1965	Mar. 27	22.90	10,600
1941	July 6	12.80	5,290	1954	Jan. 17	29.90	35,200	1966	Mar. 5	26.61	18,400
1942	Feb. 18	24.20	13,500	1955	Feb. 8	24.20	13,800	1967	Aug. 25	19.76	8,820
1943	Dec. 30	27.70	23,300	1956	Apr. 17	21.80	10,800	1968	Jan. 11	[1]23.79	11,500
1944	Mar. 30	25.50	15,900	1957	Apr. 6	27.60	24,600	1969	Feb. 3	[1]25.18	15,000
1945	Feb. 14	19.50	9,750	1958	Nov. 19	19.40	7,980	1970	Mar. 21	18.46	8,680
1946	Feb. 11	29.60	32,000	1959	Feb. 14	15.90	7,100	1971	Jan. 25	[1]20.92	9,360
1947	Jan. 21	-	19,400	1960	Mar. 4	20.50	9,840	1972	Jan. 12	23.39	10,900
1948	Feb. 13	23.60	11,300	1961	Feb. 26	26.10	18,200	1973	May 29	27.11	23,200
1949	Nov. 29	28.30	26,700	1962	Dec. 13	28.25	28,200	1974	Jan. 1	[1]23.69	11,200
1950	Mar. 14	28.30	26,200								

[1] Peak stage occurred at different time than peak discharge.

02384000 CONASAUGA RIVER NEAR TENNGA, GA.

LOCATION.--Lat 35°00'34", long 84°44'02", Polk County, Tenn., at U.S. Highway 411, 1.5 mi north of Tennga.

DRAINAGE AREA.--108 mi^2.

GAGE.--Nonrecording prior to Sept. 30, 1943; water-stage recorder Sept. 30, 1943, to Dec. 31, 1947; crest-stage gage after Aug. 24, 1950. Prior to Jan. 1, 1932, at datum 1.08 ft lower. Datum of gage is 755.58 ft above mean sea level (levels by Corps of Engineers).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 14,000 ft^3/s. Bankfull stage and discharge, 14 ft and 5,000 ft^3/s.

REMARKS.--Stage records for 1938 and 1940-43 furnished by Corps of Engineers.

FLOOD-FREQUENCY DATA (ft^3/s)
35 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 9,760	9,180
Q_5 = 12,700	11,800
Q_{10} = 14,600	13,400
Q_{25} = 16,900	15,700
Q_{50} = 18,500	17,300
Q_{100} = 20,100	18,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.988
Standard deviation	= 0.138
Station skew	= -0.497
Regional or weighted skew	= -0.066

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1930	Nov. 15	14.4	4,940	1952	Mar. 10	16.02	11,400	1964	Apr. 8	16.26	12,300
1931	Apr. 4	14.0	4,380	1953	Feb. 27	15.58	10,300	1965	Mar. 26	16.91	14,100
1938	Apr. -	14.9	8,360	1954	Jan. 16	16.33	12,300	1966	Feb. 14	15.12	8,940
1940	Feb. 6	9.5	d1,880	1955	Feb. 6	14.13	6,520	1967	July 8	15.66	10,400
1941	July 7	8.6	d1,400	1956	Apr. 16	15.64	10,300	1968	Dec. 22	14.70	7,880
1942	Feb. 16	14.5	7,400	1957	Feb. 1	17.01	14,400	1969	Feb. 3	15.01	8,600
1943	Dec. 29	14.6	7,640	1958	Apr. 28	18.2	19,400	1970	Dec. 30	13.44	5,120
1944	Mar. 29	15.4	9,720	1959	Jan. 22	16.42	12,600	1971	July 7	14.88	8,310
1945	Feb. 17	14.8	8,120	1960	Nov. 29	15.19	9,160	1972	Jan. -	-	d2,500
1946	Feb. 10	16.9	14,100	1961	June 22	16.16	12,000	1973	Mar. 16	15.39	11,100
1947	Jan. 20	16.5	12,900	1962	Dec. 12	16.63	13,200	1974	Dec. 26	14.76	8,020
1951	Mar. 28	17.54	16,400	1963	Mar. 12	16.75	13,800				

02384500 CONASAUGA RIVER NEAR ETON, GA.

LOCATION.--Lat 34°49'40", long 84°51'03", Murray County, at State Highway 286, 5 mi west of Eton.

DRAINAGE AREA.--253 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 675.64 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 22,800 ft^3/s. Bankfull stage and discharge, 10 ft and 5,000 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
17 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	9,290	9,110
Q_5	15,200	14,600
Q_{10}	19,600	18,400
Q_{25}	25,700	23,800
Q_{50}	30,600	28,100
Q_{100}	35,900	32,000

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.968
Standard deviation	0.252
Station skew	-0.149
Regional or weighted skew	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1954	Jan. 16	13.75	14,700	1964	Mar. 15	13.04	15,100	1970	Apr. 1	8.80	3,500
1955	Feb. 6	11.03	6,500	1965	Mar. 26	13.46	15,800	1971	Feb. 5	10.01	4,850
1956	May 28	11.77	8,100	1966	Feb. 14	11.29	7,570	1972	Jan. 5	9.30	4,000
1957	Feb. 1	14.52	18,000	1967	Aug. 28	10.00	4,840	1973	Mar. 17	15.59	25,200
1958	Apr. 28	13.70	14,300	1968	Dec. 22	11.93	9,720	1974	Dec. 31	10.66	6,310
1963	Mar. 13	12.77	13,600	1969	Feb. 3	12.40	11,600				

02384600 MILL CREEK TRIBUTARY NEAR ETON, GA.

LOCATION.--Lat 34°49'38", long 84°48'58", Murray County, at culvert on State Highway 286, 3 mi west of Eton.

DRAINAGE AREA.--4.28 mi^2.

GAGE.--Flood-stage, rainfall recorder prior to Dec. 27, 1974; crest-stage gage thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 170 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	482	481
Q_5	698	705
Q_{10}	847	862
Q_{25}	1,040	1,070
Q_{50}	1,190	1,230
Q_{100}	1,340	1,390

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	2.683
Standard deviation	0.191
Station skew	-
Regional or weighted skew	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 26	5.77	442	1969	Feb. 2	4.64	242	1972	May 13	4.52	228
1966	Mar. 4	5.64	412	1970	Apr. 2	4.51	227	1973	Mar. 16	6.57	665
1967	Aug. 22	7.30	960	1971	Feb. 5	4.80	263	1974	Apr. 4	5.63	410
1968	Dec. 18	5.91	474								

02384900 COAHULLA CREEK NEAR CLEVELAND, TENN.

LOCATION.--Lat 35°07'00", long 84°50'18", Bradley County, Tenn., at bridge on State Highway 74, 2.5 mi southeast of intersection of State Highways 74 and 60 at Cleveland.

DRAINAGE AREA.--4.35 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 828.3 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter and contracted-opening measurements.

FLOOD-FREQUENCY DATA (ft^3/s)
20 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 619	
Q_5 = 1,120	
Q_{10} = 1,530	
Q_{25} = 2,120	
Q_{50} = 2,630	
Q_{100} = 3,180	

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.792
Standard deviation	= 0.305
Station skew	= 0.434
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1955	Dec. -	5.62	225	1962	Dec. 17	7.39	1,250	1969	Feb. 2	6.42	490
1956	Sept. 6	6.21	428	1963	Mar. 12	7.59	1,500	1970	Apr. 2	6.85	740
1957	Jan. 31	7.08	882	1964	Apr. 28	8.11	2,280	1971	Feb. 22	6.01	320
1958	Nov. 14	6.33	485	1965	Mar. 26	6.58	573	1972	May 13	6.45	510
1959	May 31	5.07	170	1966	Feb. 14	6.17	385	1973	Mar. 16	8.32	2,620
1960	Mar. 3	6.11	385	1967	July 7	7.15	990	1974	Jan. 3	6.67	620
1961	Mar. 8	6.62	625	1968	Dec. 18	6.35	460				

02385000 COAHULLA CREEK NEAR VARNELL, GA.

LOCATION.--Lat 34°53'43", long 84°55'15", Whitfield County, 350 ft downstream from Praters Mill, 2 mi upstream from Spring Creek, and 3 mi east of Varnell.

DRAINAGE AREA.--87 mi^2, approximately.

GAGE.--Water-stage recorder prior to Jan. 1, 1943; crest-stage gage after Aug. 24, 1950. Datum of gage is 704.92 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,700 ft^3/s. Bankfull stage and discharge, 10 ft and 1,400 ft^3/s.

HISTORICAL DATA.--Peak stage for 1919 or 1920 based on information furnished by local resident in 1940, and was the highest known peak since 1919.

FLOOD-FREQUENCY DATA (ft^3/s)
17 YEARS OF RECORD

LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 = 3,140	3,250
Q_5 = 4,890	5,180
Q_{10} = 6,170	6,570
Q_{25} = 7,910	8,480
Q_{50} = 9,280	10,000
Q_{100} = 10,700	11,500

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.497
Standard deviation	= 0.229
Station skew	= -0.546
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1919		16.8	-	1952	Mar. 11	12.0	3,380	1958	Nov. -	12.0	3,380
1940	Feb. 18	11.3	2,300	1953	Feb. 21	11.5	2,680	1959	Apr. 19	11.0	2,180
1941	July 8	9.4	1,040	1954	Jan. 22	12.9	5,340	1960	Mar. 3	12.16	3,660
1942	Feb. 17	10.0	1,350	1955	Mar. 23	11.5	2,680	1961	May 23	12.32	3,960
1943	Dec. 29	13.8	6,600	1956	Apr. 17	11.7	2,930	1962	Dec. 12	13.26	6,470
1951	Mar. 29	15.7	-	1957	Feb. 2	12.8	5,080				

02385700 ROCK CREEK NEAR CHATSWORTH, GA.

LOCATION.--Lat 34°46'33", long 84°44'33", Murray County, at culvert on secondary road 2321, 1.5 mi northeast of Chatsworth.

DRAINAGE AREA.--3.46 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 220 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	305	314
Q_5	439	463
Q_{10}	531	570
Q_{25}	650	703
Q_{50}	742	807
Q_{100}	834	911

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	2.484
Standard deviation	0.188
Station skew	-
Regional or weighted skew	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 26	3.76	403	1969	Feb. 2	2.94	206	1972	Jan. 10	2.79	173
1966	Mar. 4	3.70	387	1970	Dec. 30	3.10	243	1973	May 27	3.74	397
1967	May 12	3.09	241	1971	Oct. 29	2.83	182	1974	Apr. 4	3.88	434
1968	Dec. 22	3.14	252								

02385800 HOLLY CREEK NEAR CHATSWORTH, GA.

LOCATION.--Lat 34°43'00", long 84°46'12", Murray County, on right bank 100 ft upstream from bridge on county road, 3 mi upstream from Rock Creek, and 3.3 mi south of Chatsworth.

DRAINAGE AREA.--64.9 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 690 ft, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 4,800 ft^3/s. Bankfull stage and discharge, 9 ft and 1,900 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
14 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	3,240	3,220
Q_5	4,770	4,830
Q_{10}	5,830	5,930
Q_{25}	7,220	7,450
Q_{50}	8,300	8,690
Q_{100}	9,400	9,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.511
Standard deviation	0.199
Station skew	-0.621
Regional or weighted skew	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1961	Feb. 23	10.24	3,480	1966	Feb. 13	10.06	3,840	1971	July 31	8.74	1,510
1962	Dec. 12	11.09	4,920	1967	Aug. 27	9.42	2,430	1972	Jan. 5	8.65	1,410
1963	Mar. 12	11.03	4,810	1968	Dec. 22	9.58	2,700	1973	May 28	10.43	4,170
1964	Mar. 15	11.37	6,040	1969	Feb. 2	9.71	2,850	1974	Dec. 31	10.70	4,700
1965	Mar. 26	10.70	4,700	1970	Dec. 31	9.10	2,030				

02387000 CONASAUGA RIVER AT TILTON, GA.

LOCATION.--Lat 34°40'00", long 84°55'42", Murray County, on left bank 250 ft downstream from highway bridge, 0.2 mi downstream from Swamp Creek, 0.5 mi northeast of Tilton, and 12 mi upstream from confluence with Coosawattee River.

DRAINAGE AREA.--682 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 622.28 ft above mean sea level (levels by Corps of Engineers). Prior to Aug. 24, 1940, nonrecording gage at site 150 ft upstream at same datum. Water-stage recorder on Oostanaula River at Resaca used as auxiliary gage since 1961.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 22,000 ft^3/s. Stage-discharge relation is affected by backwater, and the fall between this gage and Oostanaula River at Resaca gage is used as a factor in computing discharge. Bankfull stage and discharge, 19 ft and 8,600 ft^3/s.

HISTORICAL DATA.--Peak stage for April 1886 based on information furnished by local resident, and is highest since 1886.

REMARKS.--Peak discharge for 1886 estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
38 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 14,600	14,700
Q_5	= 21,200	21,700
Q_{10}	= 25,400	26,200
Q_{25}	= 30,600	32,100
Q_{50}	= 34,300	36,500
Q_{100}	= 37,900	40,400

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.156
Standard deviation	= 0.199
Station skew	= -0.330
Regional or weighted skew	= -0.281

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1886	Apr. 1	34.0	a40,000	1950	Mar. 15	26.10	19,300	1963	Mar. 15	23.8	16,600
1938	Apr. 10	25.4	20,300	1951	Mar. 30	30.20	29,000	1964	Mar. 17	25.70	21,100
1939	Feb. 17	21.1	11,300	1952	Mar. 13	21.30	11,000	1965	Mar. 28	25.10	19,500
1940	Mar. 16	15.2	5,880	1953	Feb. 24	20.8	10,800	1966	Mar. 6	21.60	12,100
1941	July 8	13.1	4,700	1954	Jan. 18	24.9	19,100	1967	July 10	19.8	9,530
1942	Feb. 19	18.4	8,090	1955	Feb. 9	19.90	8,970	1968	Dec. 24	22.80	13,400
1943	Dec. 31	25.6	20,700	1956	Feb. 6	21.3	11,600	1969	Feb. 4	24.50	18,200
1944	Mar. 30	24.4	17,900	1957	Feb. 3	27.3	25,000	1970	Apr. 4	18.58	8,330
1945	Feb. 20	20.7	10,700	1958	Nov. 20	24.2	17,500	1971	Feb. 8	19.17	8,820
1946	Feb. 12	26.3	22,400	1959	Apr. 22	19.8	9,530	1972	Jan. 7	[1]19.18	8,070
1947	Jan. 21	27.7	26,000	1960	Mar. 5	21.6	12,100	1973	Mar. 18	28.13	26,300
1948	Feb. 14	26.00	20,800	1961	Feb. 25	24.30	16,500	1974	Nov. 30	20.54	10,500
1949	Nov. 30	27.30	22,500	1962	Dec. 20	26.10	20,700				

[1] Peak stage occurred at different time than peak discharge.

02387100 POLECAT CREEK NEAR SPRING PLACE, GA.

LOCATION.--Lat 34°39'08", long 84°50'33", Murray County, at culvert on State Highway 225, 7.5 mi south of Spring Place.

DRAINAGE AREA.--1.22 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 236 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 290	278
Q_5	= 403	388
Q_{10}	= 479	464
Q_{25}	= 575	563
Q_{50}	= 647	639
Q_{100}	= 720	716

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.462
Standard deviation	= 0.170
Station skew	= -
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 23	4.93	390	1968	Dec. 22	4.30	298	1972	Jan. 4	3.84	149
1965	Mar. 26	3.89	228	1969	Feb. 2	3.80	205	1973	Dec. 15	4.77	324
1966	Mar. 4	7.75	828	1970	Apr. 1	4.23	219	1974	Dec. 31	4.51	272
1967	Feb. 20	3.83	212	1971	Feb. 26	3.99	176				

02387200 BEAMER CREEK NEAR SPRING PLACE, GA.

LOCATION.--Lat 34°38'03", long 84°51'52", Murray County, at culvert on State Highway 225, 8.8 mi south of Spring Place.

DRAINAGE AREA.--1.29 mi^2.

GAGE.--Flood-stage recorder prior to May 1, 1968; flood-stage, rainfall recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 300 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	361	339
Q_5	502	471
Q_{10}	595	559
Q_{25}	714	679
Q_{50}	804	771
Q_{100}	892	862

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	2.558
Standard deviation	0.169
Station skew	-
Regional or weighted skew	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 23	3.70	389	1968	Dec. 22	3.77	401	1972	Jan. 4	2.72	174
1965	Mar. 26	2.87	231	1969	Feb. 2	2.92	245	1973	Dec. 15	4.02	444
1966	Mar. 4	6.20	879	1970	Apr. 1	3.45	329	1974	Dec. 31	3.42	322
1967	Feb. 20	3.07	282	1971	Feb. 26	3.07	245				

02387300 DEAD MANS BRANCH NEAR RESACA, GA.

LOCATION.--Lat 34°35'44", long 84°52'11", Gordon County, at culvert on State Highway 225, 4.2 mi east of Resaca.

DRAINAGE AREA.--0.17 mi^2.

GAGE.--Flood-stage, rainfall recorder prior to Dec. 27, 1974; crest-stage thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 20 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	69	67
Q_5	102	98
Q_{10}	125	121
Q_{25}	156	151
Q_{50}	179	175
Q_{100}	204	200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	1.839
Standard deviation	0.202
Station skew	-
Regional or weighted skew	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 26	3.44	64	1969	Mar. 18	2.12	28	1972	Jan. 4	2.47	36
1966	Mar. 3	6.50	184	1970	Dec. 30	3.17	56	1973	May 27	4.22	91
1967	Feb. 20	2.47	36	1971	Apr. 23	2.37	34	1974	Dec. 31	3.52	67
1968	Dec. 22	4.12	87								

02387500 OOSTANAULA RIVER AT RESACA, GA.

LOCATION.--Lat 34°34'42", long 84°56'29", Gordon County, near left bank on downstream side of pier of bridge on U.S. Highway 41 at Resaca, 200 ft downstream from Nashville, Chattanooga & St. Louis Railway bridge, 0.8 mi upstream from Camp Creek, and 3.5 mi downstream from confluence of Conasauga and Coosawattee Rivers.

DRAINAGE AREA.--1,610 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 604.14 ft above mean sea level (levels by Corps of Engineers). Prior to Mar. 23, 1919, nonrecording gage at site 200 ft upstream at same datum. Mar. 23, 1919, to Oct. 23, 1928, nonrecording gage at site 400 ft downstream at same datum. Oct. 24, 1928, to Sept. 11, 1938, nonrecording gage at present site and datum. Since Oct. 29, 1948, auxiliary nonrecording gage at bridge on State Highway 143, 7.1 mi downstream.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 43,000 ft^3/s. Stage-discharge relation is affected by backwater, and the fall between the base and auxiliary gages is used as a factor in computing discharge. Bankfull stage and discharge, 24 ft and 20,000 ft^3/s.

HISTORICAL DATA.--Peak stage of April 1886 based on information furnished by National Weather Service. From information given in "A History of Rome and Floyd County," Georgia Department of Archives, the April 1886 flood on the Oostanaula River was the highest that has occurred since the city of Rome was founded in 1834.

REMARKS.--The peak discharges are slightly regulated by Carters Dam (maximum flood-control storage, 230,000 acre-ft) and Carters re-regulation dam since November 1974. Peak discharge for 1959 estimated.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1886	Apr. 1	36.30	a68,600		Feb. 2	21.80	-	1941	July 8	14.00	9,150
1892	Apr. 7	31.70	39,900	1916	July 12	27.00	23,300	1942	Feb. 19	22.60	18,000
	Apr. 8	32.00	-		July 13	27.20	-	1943	Dec. 31	29.80	33,000
1893	Feb. 17	21.00	16,200	1917	Mar. 6	30.20	33,500	1944	Mar. 31	28.40	28,300
1894	Feb. 5	10.30	6,870		Mar. 6	30.50	-	1945	Feb. 15	19.60	14,700
1895	Jan. 11	26.20	21,800	1918	Jan. 31	23.20	18,400	1946	Feb. 11	32.20	42,200
	Jan. 11	26.40	-		Feb. 1	23.30	-		Feb. 12	32.50	-
1896	Feb. 7	16.70	12,200	1919	Dec. 24	21.60	16,900	1947	Jan. 21	33.20	47,000
1897	Mar. 15	26.00	21,500		Dec. 24	21.70	-		Jan. 21	33.50	-
	Mar. 15	26.20	-	1920	Apr. 4	31.70	39,900	1948	Feb. 15	28.40	26,800
1898	Sept. 4	21.30	16,500		Apr. 4	32.00	-		Feb. 15	28.70	-
	Sept. 4	21.40	-	1921	Feb. 11	32.70	44,400	1949	Nov. 30	31.10	36,300
1899	Mar. 17	28.70	28,300		Feb. 11	33.00	-		Nov. 30	31.20	-
	Mar. 17	29.00	-	1922	Jan. 22	31.90	40,800	1950	Mar. 15	30.10	31,900
1900	Feb. 14	23.60	18,800		Jan. 22	32.20	-	1951	Mar. 31	34.50	54,800
	Feb. 14	23.70	-	1923	Dec. 18	20.30	15,500		Mar. 31	34.60	-
1901	Jan. 13	26.70	22,700	1924	Apr. 20	24.80	20,000	1952	Mar. 25	24.20	20,100
	Jan. 14	26.90	-		Apr. 20	25.00	-	1953	Feb. 23	20.30	15,600
1902	Dec. 31	26.50	22,300	1925	Jan. 20	21.20	16,600	1954	Jan. 18	30.20	30,700
	Dec. 31	26.70	-	1926	Jan. 19	17.30	12,400	1955	Feb. 9	23.40	19,100
1903	Mar. 1	27.10	23,800	1927	Dec. 29	24.80	20,000	1956	Apr. 18	22.60	18,200
	Mar. 2	27.40	-		Dec. 29	25.00	-	1957	Feb. 4	30.80	32,800
1904	Mar. 24	12.50	8,340	1928	Mar. 31	20.80	16,100	1958	Nov. 21	24.10	20,000
1905	Feb. 22	22.00	17,300	1929	Mar. 25	22.00	17,300	1959	Apr. 20	17.00	12,100
	Feb. 22	22.10	-		Mar. 25	22.10	-	1960	Mar. 5	21.50	17,000
1906	Mar. 16	21.70	16,900	1930	Nov. 17	28.20	26,700	1961	Feb. 27	29.20	31,700
	Mar. 16	21.80	-		Nov. 17	28.50	-	1962	Dec. 14	29.40	32,400
1907	Nov. 20	29.70	31,700	1931	Apr. 5	18.20	13,400	1963	May 2	27.20	25,700
	Nov. 21	30.00	-	1932	Dec. 16	23.20	18,400	1964	Mar. 17	30.40	30,500
1908	Feb. 16	20.00	15,100		Dec. 16	23.30	-	1965	Mar. 28	27.40	25,000
1909	Mar. 14	31.70	39,900	1933	Dec. 29	30.90	36,500	1966	Mar. 6	27.00	25,200
	Mar. 14	32.00	-		Dec. 29	31.20	-	1967	Aug. 26	19.00	14,200
1910	May 21	20.00	15,100	1934	Mar. 6	27.30	25,300	1968	Dec. 25	26.09	23,300
1911	Apr. 9	21.60	16,900	1935	Mar. 13	20.10	15,300	1969	Feb. 5	27.63	26,800
	Apr. 9	21.70	-	1936	Apr. 3	30.60	35,300	1970	Mar. 22	18.37	13,700
1912	Mar. 31	24.80	20,000		Apr. 3	30.90	-	1971	Jan. 26	-	16,100
	Mar. 31	25.00	-	1937	Jan. 5	26.50	23,500		Jan. 27	21.07	-
1913	Mar. 16	25.60	20,900	1938	Apr. 9	31.20	37,700	1972	Jan. 13	23.07	18,100
	Mar. 16	25.80	-		Apr. 9	31.50	-	1973	Mar. 19	28.46	29,000
1914	Apr. 15	15.50	10,800	1939	Feb. 17	21.70	17,000	1974	Jan. 3	23.98	18,900
1915	Feb. 2	21.70	16,900	1940	Mar. 14	15.60	10,700				

02387560 OOTHKALOOGA CREEK TRIBUTARY AT ADAIRSVILLE, GA.

LOCATION.--Lat 34°21'34", long 84°55'20", Bartow County, at culvert on U.S. Highway 41, 1 mi south of Adairsville.

DRAINAGE AREA.--3.56 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 245 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 338	345
Q_5	= 568	580
Q_{10}	= 746	759
Q_{25}	= 996	1,010
Q_{50}	= 1,200	1,210
Q_{100}	= 1,420	1,430

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.529
Standard deviation	= 0.268
Station skew	= -
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 24	3.63	243	1969	Aug. 3	4.00	305	1972	Jan. 4	3.74	266
1966	Mar. 4	4.70	465	1970	Apr. 26	3.63	251	1973	May 27	4.25	350
1967	Aug. 26	4.49	408	1971	Apr. 23	4.04	311	1974	Apr. 4	4.73	474
1968	Mar. 12	3.19	205								

02387570 OOTHKALOOGA CREEK AT ADAIRSVILLE, GA.

LOCATION.--Lat 34°22'40", long 84°56'34", Bartow County, at State Highway 140, 0.8 mi west of Adairsville.

DRAINAGE AREA.--21 mi^2, approximately.

GAGE.--Crest-stage gage prior to June 30, 1967; flood-stage recorder thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 900 ft^3/s.

REMARKS.--Flood-frequency values not shown due to undefined stage-discharge relation for higher stages.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 23	7.60	-	1968	Mar. 12	6.27	775	1972	Jan. 4	6.25	782
1965	Mar. 26	6.31	820	1969	Feb. 2	6.56	968	1973	May 27	6.42	884
1966	Mar. 4	8.05	-	1970	Mar. 19	6.37	854	1974	Apr. 4	7.37	-
1967	Aug. 26	6.92	-	1971	Mar. 25	6.37	854				

02387700 ROCKY CREEK AT CURRYVILLE, GA.

LOCATION.--Lat 34°26'44", long 85°05'12", Gordon County, at culvert on State Highway 156, 0.4 mi west of Curryville.

DRAINAGE AREA.--9.41 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 523 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 774	778
Q_5	= 1,090	1,120
Q_{10}	= 1,300	1,350
Q_{25}	= 1,570	1,650
Q_{50}	= 1,780	1,880
Q_{100}	= 1,990	2,110

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.889
Standard deviation	= 0.176
Station skew	= -
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Oct. 4	4.05	805	1969	Feb. 2	4.26	910	1972	Jan. 4	3.81	690
1966	Mar. 4	5.70	1,660	1970	Apr. 26	3.86	712	1973	May 27	4.56	1,060
1967	July 10	4.26	910	1971	Jan. 24	3.06	405	1974	Apr. 4	4.66	1,110
1968	Dec. 22	3.71	644								

02387800 BAILEY CREEK NEAR VILLANOW, GA.

LOCATION.--Lat 34°40'10", long 85°05'40", Walker County, at culvert on State Highway 143, 1.2 mi east of Villanow.

DRAINAGE AREA.--3.82 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 155 ft^3/s and extended above on basis of culvert computations. Stage-discharge relation unstable in 1972 due to construction near culvert.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 =	487	481
Q_5 =	734	727
Q_{10} =	909	902
Q_{25} =	1,140	1,140
Q_{50} =	1,320	1,320
Q_{100} =	1,510	1,510

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.688
Standard deviation	= 0.211
Station skew	= -
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 26	4.31	306	1969	Feb. 2	4.26	297	1972	May 13	4.06	-
1966	Mar. 4	7.25	1,020	1970	Apr. 2	3.96	244	1973	Mar. 16	6.64	853
1967	July 6	7.61	1,130	1971	Feb. 4	4.61	362	1974	Apr. 4	8.26	1,490
1968	Dec. 18	4.11	270								

02388000 WEST ARMUCHEE CREEK NEAR SUBLIGNA, GA.

LOCATION.--Lat 34°34'04", long 85°09'16", Chattooga County, on left bank 500 ft downstream from bridge on county road, 1 mi upstream from Ruff Creek, and 2 mi east of Subligna.

DRAINAGE AREA.--34.5 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 750 ft, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,600 ft^3/s and extended above on basis of contracted-opening measurement at 9,760 ft^3/s.

HISTORICAL DATA.--Peak stage of March 1951 obtained from levels to floodmark. The March 1951 flood was the highest since that time, based on nearby stations.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 =	3,530	3,220
Q_5 =	5,780	4,990
Q_{10} =	7,490	6,110
Q_{25} =	9,860	7,840
Q_{50} =	11,800	9,170
Q_{100} =	13,800	10,400

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.548
Standard deviation	= 0.255
Station skew	= 0.526
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Mar. 29	12.10	a12,400	1965	Mar. 26	8.09	2,660	1970	Dec. 30	6.88	1,500
1961	Feb. 23	8.51	3,250	1966	Mar. 4	11.33	9,760	1971	Feb. 5	7.60	2,140
1962	Dec. 18	8.83	3,780	1967	Feb. 20	6.88	1,540	1972	June 20	8.28	2,760
1963	Oct. 3	9.50	4,750	1968	Dec. 19	8.15	2,740	1973	Mar. 16	9.52	4,190
1964	Mar. 14	8.98	4,000	1969	Feb. 2	7.86	2,470	1974	Apr. 4	10.62	7,570

02388200 STOREY MILL CREEK NEAR SUMMERVILLE, GA.

LOCATION.--Lat 34°25'39", long 85°16'03", Chattooga County, at culvert on county road, 6 mi southeast of Summerville.

DRAINAGE AREA.--6.02 mi^2.

GAGE.--Flood-stage, rainfall recorder prior to Feb. 27, 1975; crest-stage gage thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 550 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 632	628
Q_5	= 930	932
Q_{10}	= 1,140	1,150
Q_{25}	= 1,410	1,430
Q_{50}	= 1,620	1,650
Q_{100}	= 1,840	1,880

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.801
Standard deviation	=	0.199
Station skew	=	-
Regional or weighted skew	=	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1966	Mar. 4	7.55	1,090	1969	Feb. 2	5.74	588	1972	Jan. 4	5.44	517
1967	Feb. 20	4.75	370	1970	Dec. 30	5.16	455	1973	May 20	8.27	1,320
1968	Jan. 10	5.40	508	1971	Feb. 5	5.72	583	1974	Apr. 4	6.27	720

02388300 HEATH CREEK NEAR ROME, GA.

LOCATION.--Lat 34°21'57", long 85°16'17", Floyd County, on upstream left wingwall of bridge on county road, 4 mi upstream from Little Armuchee Creek, and 9.5 mi northwest of Rome.

DRAINAGE AREA.--14.3 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 650 ft, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 550 ft^3/s.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1969	Feb. 2	7.08	450	1971	Feb. 26	6.97	622	1973	May 28	7.53	869
1970	Apr. 27	7.42	807	1972	Jan. 10	6.42	525	1974	Apr. 4	8.48	-

02388400 DOZIER CREEK NEAR SHANNON, GA.

LOCATION.--Lat 34°18'53", long 85°05'43", Floyd County, at culvert on State Highway 53, 2 mi southwest of Shannon.

DRAINAGE AREA.--3.00 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 105 ft^3/s.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 352	353
Q_5	= 579	579
Q_{10}	= 750	747
Q_{25}	= 989	981
Q_{50}	= 1,180	1,170
Q_{100}	= 1,390	1,370

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.547
Standard deviation	=	0.256
Station skew	=	-
Regional or weighted skew	=	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 23	3.37	356	1969	Feb. 2	2.96	271	1972	Jan. 4	3.14	307
1966	Mar. 4	5.10	930	1970	Mar. 19	2.06	136	1973	May 27	4.53	686
1967	Aug. 25	3.86	475	1971	Mar. 25	2.64	213	1974	Apr. 4	3.96	502
1968	Dec. 22	3.26	332								

02388500 OOSTANAULA RIVER NEAR ROME, GA.

LOCATION.--Lat 34°18'02", long 85°08'30", Floyd County, on left bank 1.2 mi upstream from Dry Creek, 4.5 mi north of Rome, 4.5 mi upstream from confluence with Etowah River, and 6.5 mi downstream from Armuchee Creek.

DRAINAGE AREA.--2,120 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft above mean sea level. Oct. 1, 1939, to Dec. 7, 1950, water-stage recorder at site 3.2 mi downstream at same datum. Since Oct. 1, 1939, auxiliary water-stage recorder at Fifth Avenue Bridge, 4.2 mi downstream. Nonrecording gage at site of auxiliary gage used as base gage for records published as Coosa River at Rome, Jan. 1, 1897, to Dec. 31, 1903.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 40,500 ft^3/s. Stage-discharge relation is affected by backwater from Etowah River and fall between the base and auxiliary gages is used as a factor in computing discharge. Bankfull stage and discharge, 19 ft and about 15,000 ft^3/s.

HISTORICAL DATA.--Peak stage for April 1886 at auxiliary gage site based on information from National Weather Service. From information given in "A History of Rome and Floyd County," Georgia Department of Archives, the April 1886 flood was the highest flood that has occurred since the city of Rome was founded in 1834.

REMARKS.--Peak discharge for April 1886 flood estimated from records on gaging station upstream on Oostanaula River at Resaca. Peak discharges regulated by Carters Dam and Carters re-regulation dam since November 1974. (See station 02387500.)

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1886	Apr. -	[1]40.3	a70,000		Dec. 2	31.6	37,300	1963	May 1	30.36	27,000
1940	Mar. 15	17.7	15,000	1950	Mar. 14	27.0	-	1964	Mar. 27	33.28	-
	Mar. 15	17.9	-		Mar. 17	25.5	30,500	1964	Mar. 28	-	30,200
1941	July 8	15.5	12,800	1951	Apr. 2	35.40	43,600	1965	Mar. 31	27.55	26,300
	July 9	16.9	-	1952	Mar. 12	27.80	23,900	1966	Mar. 5	30.49	27,500
1942	Mar. 23	26.4	-		Mar. 12	28.00	-	1967	July 11	-	19,000
	Mar. 24	24.4	19,700	1953	Feb. 22	22.50	18,800		Aug. 26	25.79	-
1943	Dec. 31	30.2	-	1954	Jan. 23	30.10	28,900	1968	Dec. 23	-	24,300
	Jan. 2	27.0	29,900		Jan. 23	30.30	-		Jan. 11	28.64	-
1944	Mar. 30	29.3	-	1955	Feb. 7	26.20	23,800	1969	Feb. 7	25.91	23,200
	Apr. 1	27.0	29,100	1956	Apr. 17	23.90	20,600	1970	Mar. 22	25.06	18,500
1945	Feb. 15	20.2	19,400	1957	Feb. 6	31.90	32,500	1971	Jan. 26	-	18,800
1946	Feb. 12	34.5	-	1958	Nov. 20	24.40	21,300		Feb. 27	23.46	-
	Feb. 13	33.1	45,500		Nov. 20	24.60	-	1972	Jan. 14	27.04	21,000
1947	Jan. 22	35.1	-	1959	Apr. 21	19.60	15,100	1973	Mar. 18	26.97	-
	Jan. 23	34.1	47,000	1960	Mar. 5	22.40	18,600		Mar. 22	-	24,100
1948	Feb. 14	27.8	-	1961	Feb. 24	32.06	32,700	1974	Apr. 5	29.66	-
	Feb. 18	25.3	28,200		Feb. 26	32.58	-		Apr. 6	-	22,600
1949	Nov. 30	34.2	-	1962	Dec. 19	32.56	33,700				

[1] At site of auxiliary gage, from National Weather Service.

02388900 ETOWAH RIVER NEAR DAHLONEGA, GA.

LOCATION.--Lat 34°30'56", long 84°03'40", Lumpkin County, at bridge on State Highway 9, 4.5 mi west of Dahlonega.

DRAINAGE AREA.--68 mi^2, approximately.

GAGE.--Crest-stage gage. Datum of gage is 1,270.80 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 4,300 ft^3/s and extended above on basis of contracted-opening measurement at 6,750 ft^3/s. Bankfull stage and discharge, 11 ft and 2,500 ft^3/s.

REMARKS.--Peak discharges for 1958 and 1960 estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
25 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	2,710	2,760
Q_5	4,770	4,830
Q_{10}	6,410	6,390
Q_{25}	8,780	8,620
Q_{50}	10,800	10,500
Q_{100}	12,900	12,300

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.434
Standard deviation	0.291
Station skew	0.510
Regional or weighted skew	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1950	Mar. 15	11.27	2,580	1959	Jan. 28	10.54	2,210	1967	Aug. 23	14.22	9,680
1951	Mar. 30	9.11	1,620	1960	Feb. 10	-	1,600	1968	Mar. 12	9.41	1,730
1952	Mar. 10	12.57	4,400	1961	Feb. 25	13.4	6,750	1969	Aug. 22	8.71	1,480
1953	Feb.	9.69	1,840	1962	Dec. 12	13.93	8,680	1970	-	-	d1,350
1954	Jan. 16	12.81	4,800	1963	Apr. 30	12.18	3,700	1971	-	-	d1,350
1955	Feb. 6	12.47	4,200	1964	May 3	12.52	4,200	1972	May 14	10.39	2,120
1956	Apr. 16	11.05	2,410	1965	Oct. 4	9.95	1,960	1973	May 28	12.98	5,340
1957	Apr. 5	10.96	2,410	1966	Feb. 13	12.66	4,520	1974	Dec. 5	11.06	2,440
1958	Jan. 21	-	1,250								

02389000 ETOWAH RIVER NEAR DAWSONVILLE, GA.

LOCATION.--Lat 34°22'57", long 84°03'21", Dawson County, on left bank 0.4 mi upstream from Palmer Creek, 0.5 mi upstream from bridge on State Highway 53, 1.2 mi downstream from Russell Creek, 4 mi southeast of Dawsonville, and 7.5 mi upstream from Shoal Creek.

DRAINAGE AREA.--103 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 1,050 ft, by barometer.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 5,200 ft^3/s. There was a change in the stage-discharge relation after August 1965 from channel clearing. Bankfull stage and discharge, 11 ft and 4,500 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
35 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	3,140	3,200
Q_5	4,360	4,580
Q_{10}	5,180	5,580
Q_{25}	6,200	6,830
Q_{50}	6,950	7,810
Q_{100}	7,740	8,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.497
Standard deviation	= 0.170
Station skew	= -0.211
Regional or weighted skew	= -0.047

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1940	Aug. 13	7.7	1,840	1952	Mar. 11	14.5	4,100	1964	Mar. 26	14.28	4,150
1941	July 5	9.20	2,200	1953	Jan. 10	8.9	2,120	1965	Oct. 5	10.56	2,670
1942	Feb. 17	14.5	4,100	1954	Jan. 16	14.6	4,150	1966	Mar. 4	13.70	6,140
1943	Dec. 29	10.0	2,430	1955	Feb. 7	14.3	4,010	1967	Aug. 24	13.70	6,140
1944	Mar. 20	10.7	2,640	1956	Apr. 16	10.3	2,520	1968	Mar. 12	11.04	4,470
1945	Sept.16	7.8	1,820	1957	Apr. 5	11.8	3,000	1969	Aug. 22	10.70	3,500
1946	Jan. 7	15.8	4,780	1958	Dec. 20	7.1	1,630	1970	Dec. 31	5.09	1,490
1947	Jan. 20	13.5	3,660	1959	Jan. 22	9.5	2,290	1971	July 22	5.86	1,790
1948	Aug. 4	14.4	4,050	1960	Sept.28	8.4	1,980	1972	May 14	9.37	3,500
1949	Jan. 6	14.0	3,870	1961	Feb. 25	14.6	4,150	1973	May 28	11.53	4,770
1950	Mar. 13	11.1	2,760	1962	Dec. 12	16.18	5,010	1974	Apr. 4	9.22	3,420
1951	Mar. 29	8.9	2,120	1963	Mar. 12	15.62	4,810				

02389300 SHOAL CREEK NEAR DAWSONVILLE, GA.

LOCATION.--Lat 34°25'13", long 84°08'47", Dawson County, on left bank at bridge on State Highway 53, 650 ft upstream from Flat Creek, 1 mi west of Dawsonville, and 6.5 mi upstream from mouth.

DRAINAGE AREA.--20.5 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 1,250 ft, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,100 ft^3/s and extended above on basis of contracted-opening measurement at 6,160 ft^3/s. Bankfull stage and discharge, 6 ft and 1,700 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
16 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	1,950	1,850
Q_5	3,420	3,090
Q_{10}	4,600	3,940
Q_{25}	6,290	5,200
Q_{50}	7,710	6,200
Q_{100}	9,250	7,170

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.289
Standard deviation	= 0.291
Station skew	= -0.657
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1959	Jan. 21	5.78	1,540	1965	Mar. 24	4.85	1,140	1970	Mar. 19	2.86	427
1960	Sept.28	5.62	1,450	1966	Mar. 4	10.42	4,390	1971	Feb. 5	3.47	636
1961	Feb. 25	7.60	2,380	1967	Aug. 24	7.21	2,180	1972	Jan. 4	6.44	1,830
1962	Dec. 12	7.40	2,280	1968	Mar. 12	6.73	1,960	1973	Dec. 15	8.08	2,670
1963	Mar. 12	11.85	6,160	1969	Aug. 22	6.88	2,030	1974	Apr. 4	7.84	2,490
1964	Apr. 8	10.01	4,000								

02390000 AMICALOLA CREEK NEAR DAWSONVILLE, GA.

LOCATION.--Lat 34°25'32", long 84°12'43", Dawson County, on left bank under bridge at State Highway 53, 5 mi upstream from mouth, and 5.5 mi west of Dawsonville.

DRAINAGE AREA.--84.7 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 1,203.87 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 4,400 ft^3/s and extended above on basis of slope-area measurement at 5,400 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
13 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 3,820	3,810
Q_5	= 5,900	5,930
Q_{10}	= 7,400	7,390
Q_{25}	= 9,420	9,440
Q_{50}	= 11,000	11,100
Q_{100}	= 12,700	12,600

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.582
Standard deviation	= 0.224
Station skew	= -1.071
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1940	Aug. 13	3.48	2,500	1945	Feb. 13	2.20	1,130	1949	Nov. 28	5.84	5,500
1941	July 5	5.64	5,200	1946	Feb. 10	5.50	5,050	1950	Mar. 13	4.34	3,460
1942	Feb. 17	7.0	7,450	1947	Jan. 20	5.30	4,770	1951	Mar. 29	3.40	2,380
1943	Dec. 29	3.65	2,680	1948	Aug. 4	5.86	5,650	1952	Mar. 11	6.1	5,960
1944	Mar. 19	4.30	3,460								

02391000 ETOWAH RIVER NEAR BALL GROUND, GA.

LOCATION.--Lat 34°19'05", long 84°20'35", Cherokee County, on upstream side of county highway bridge, 0.2 mi downstream from Long Swamp Creek, and 3 mi southeast of Ball Ground.

DRAINAGE AREA.--466 mi^2.

GAGE.--Nonrecording. Prior to Aug. 19, 1908, at site 75 ft downstream. Altitude of gage is 910 ft, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 6,500 ft^3/s.

REMARKS.--Peak discharges for 1911-13 are maximum daily. Flood-frequency values shown are based on station data and records for station on Etowah River at Canton (02392000).

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 11,100	10,800
Q_5	= 15,300	16,400
Q_{10}	= 18,100	20,100
Q_{25}	= 21,700	25,500
Q_{50}	= 24,300	30,000
Q_{100}	= 27,000	33,900

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.044
Standard deviation	= 0.166
Station skew	= 0.420
Regional or weighted skew	= -0.021

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1908	Mar. 24	15.0	10,800	1912	Mar. 15	18.4	14,300	1919	Dec. 22	25.5	22,200
1909	Mar. 14	18.0	14,000	1913	Mar. 15	13.6	9,180	1920	Dec. 10	21.3	17,600
1910	May 21	10.0	6,500	1914	Apr. 11	11.8	7,390	1921	Feb. 9	16.0	11,800
1911	Apr. 5	12.4	7,980	1915	Dec. 26	13.2	8,780				

02392000 ETOWAH RIVER AT CANTON, GA.

LOCATION.--Lat 34°14'23", long 84°29'47", Cherokee County, on left bank 100 ft downstream from bridge on State Highway 5 spur and 140 at Canton, 0.8 mi upstream from Canton Creek, and 1.8 mi downstream from Hickory Log Creek.

DRAINAGE AREA.--605 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 844.55 ft. March 1892 to December 1905, nonrecording gage at site 100 ft upstream at datum 2.0 ft higher. Mar. 16, 1937, to Jan. 17, 1939, nonrecording gage at site 100 ft upstream at present datum. Water-stage recorder at Allatoona Reservoir is used as an auxiliary gage for this station. All gage readings have been converted to present datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 25,000 ft^3/s. Bankfull stage and discharge, 15 ft and 8,000 ft^3/s.

REMARKS.--Peak stages for 1892-95, and 1906-36 furnished by National Weather Service. Peak discharge for 1934 estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
83 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 11,500	11,600
Q_5	= 17,900	18,100
Q_{10}	= 22,700	23,000
Q_{25}	= 29,700	30,100
Q_{50}	= 35,400	35,900
Q_{100}	= 41,900	42,200

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.070
Standard deviation	= 0.221
Station skew	= 0.297
Regional or weighted skew	= 0.225

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1892	Jan. -	[1]25.0	36,700	1920	Dec. 10	26.3	36,100	1948	Aug. 5	16.1	8,500
1893	Feb. 16	14.0	9,380	1921	Feb. 9	23.2	21,500	1949	Nov. 29	22.4	17,200
1894	Sept.18	7.3	4,360	1922	Jan. 22	17.6	10,200	1950	Mar. 14	16.1	8,500
1895	Jan. 10	17.5	12,400	1923	Dec. 18	19.0	11,700	1951	Mar. 30	15.1	7,790
1896	Jan. 24	7.8	5,300	1924	Apr. 19	10.9	4,960	1952	Mar. 23	23.3	19,500
1897	Apr. 5	13.6	10,100	1925	Jan. 19	16.1	8,740	1953	Jan. 10	15.6	8,140
1898	Sept. 2	14.6	10,900	1926	Jan. 18	12.8	6,530	1954	Jan. 17	21.7	15,500
1899	Mar. 16	22.2	20,800	1927	Feb. 14	16.5	9,460	1955	Feb. 7	20.1	12,600
1900	Feb. 12	16.2	12,300	1928	May 24	17.6	10,700	1956	Apr. 16	14.4	7,300
1901	May 21	21.6	19,600	1929	Mar. 5	19.5	13,600	1957	Apr. 5	21.7	15,500
1902	Dec. 29	22.2	20,800	1930	Mar. 7	20.2	15,300	1958	Dec. 21	11.7	5,440
1903	Feb. 17	22.0	20,400	1931	Nov. 17	9.9	5,200	1959	Feb. 14	14.3	7,230
1904	Aug. 8	13.0	9,620	1932	Mar. 31	17.3	10,400	1960	Apr. 4	13.0	6,320
1905	Jan. 13	12.1	8,870	1933	Dec. 12	25.2	28,200	1961	Feb. 26	23.2	19,300
1906	Dec. 3	18.3	12,900	1934	Mar. -	-	9,600	1962	Dec. 13	23.8	20,900
1907	Mar. 2	11.9	6,950	1935	Mar. 13	11.9	6,530	1963	Apr. 30	24.38	22,600
1908	Apr. 25	16.6	10,600	1936	Feb. 5	23.2	22,700	1964	Mar. 26	[2]24.70	25,000
1909	Mar. 14	19.5	14,900	1937	Jan. 3	20.5	15,300	1965	Mar. 25	16.04	8,740
1910	May 21	12.0	6,880	1938	Apr. 8	22.4	19,700	1966	Mar. 4	22.67	19,000
1911	Apr. 5	17.2	11,100	1939	Feb. 28	12.8	6,360	1967	Aug. 25	21.32	15,900
1912	Mar. 15	21.2	18,400	1940	Aug. 13	16.0	8,900	1968	Jan. 11	18.24	11,000
1913	Mar. 27	14.2	8,350	1941	July 5	15.9	8,820	1969	Aug. 23	18.91	11,900
1914	Apr. 15	13.0	7,440	1942	Feb. 17	21.2	13,300	1970	Mar. 20	13.24	6,590
1915	Dec. 4	15.5	9,300	1943	Dec. 30	18.4	10,100	1971	July 24	12.13	5,790
1916	July 10	25.9	36,100	1944	Mar. 20	19.0	10,600	1972	Jan. 11	20.41	14,200
1917	Mar. 24	19.6	14,300	1945	Apr. 25	11.8	5,180	1973	Dec. 16	18.56	11,200
1918	Jan. 29	11.6	6,320	1946	Jan. 7	26.7	29,800	1974	Apr. 5	19.20	12,300
1919	Dec. 22	25.2	29,500	1947	Jan. 21	21.2	14,500				

[1] From National Weather Service.
[2] Peak stage, 25.39 ft, 04-08-64.

02392500 LITTLE RIVER NEAR ROSWELL, GA.

LOCATION.--Lat 34°07'09", long 84°23'18", Fulton County, on upstream side of bridge on State Highway 140, 1 mi downstream from Cooper Sandy Creek, and 7 mi north of Roswell.

DRAINAGE AREA.--60.5 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 894.8 ft above mean sea level (levels by Georgia Department of Transportation). Prior to July 25, 1949, nonrecording gage, and July 25, 1949, to Sept. 30, 1965, water-stage recorder at site 500 ft upstream at datum 3.00 ft higher.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,600 ft^3/s. Bankfull stage and discharge, 7 ft and 1,130 ft^3/s.

HISTORICAL DATA.--Peak stage of January 1946, based on information from local resident, was the highest known flood since 1890.

REMARKS.--Regulation by several flood-detention reservoirs since 1960 probably does not materially affect the peak discharges. Peak discharge for 1965 estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
28 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 1,580	1,640
Q_5	= 2,460	2,630
Q_{10}	= 3,070	3,390
Q_{25}	= 3,890	4,400
Q_{50}	= 4,530	5,240
Q_{100}	= 5,180	6,040

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.195
Standard deviation	= 0.230
Station skew	= -0.099
Regional or weighted skew	= -0.099

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1946	Jan. -	18.00	a5,000	1957	Apr. 5	12.9	2,760	1966	Mar. 4	11.49	2,820
1948	July 15	8.88	1,560	1958	Feb. 26	5.4	700	1967	June 4	7.65	1,280
1949	Nov. 28	14.0	3,200	1959	May 31	6.4	926	1968	Mar. 12	8.47	1,470
1950	Sept. 7	4.88	600	1960	Jan. 31	6.30	950	1969	Jan. 20	7.67	1,280
1951	Mar. 8	6.68	998	1961	Feb. 23	15.60	4,040	1970	Mar. 20	7.72	1,290
1952	Mar. 11	11.1	2,180	1962	Dec. 12	12.00	2,600	1971	Mar. 26	5.95	755
1953	Jan. 9	6.6	974	1963	Mar. 13	9.80	1,810	1972	Jan. 10	9.16	1,840
1954	Jan. 16	10.6	2,030	1964	Mar. 26	12.65	2,840	1973	Mar. 17	9.95	2,180
1955	Feb. 7	9.9	1,830	1965	Dec. 26	6.85	650	1974	Jan. 1	10.24	2,320
1956	Mar. 16	8.7	1,500								

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA.

LOCATION.--Lat 34°09'47", long 84°44'28", Bartow County, on right bank 0.8 mi downstream from Allatoona Dam, 2 mi upstream from Nashville, Chattanooga & St. Louis Railway bridge, and 3 mi east of Cartersville.

DRAINAGE AREA.--1,110 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 686.92 ft above mean sea level (levels by Corps of Engineers). Prior to Dec. 19, 1938, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 26,000 ft^3/s and extended above on basis of slope-area study to 40,400 ft^3/s. Bankfull stage and discharge, 10 ft and 12,000 ft^3/s.

HISTORICAL DATA.--Peak stage of December 1919, based on information from local resident, was the highest known flood since at least 1916.

REMARKS.--Peak discharges since December 1949 are regulated by storage in Allatoona Lake (maximum flood-control storage, 587,200 acre-ft).

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1920	Dec. -	20.0	a40,000	1950	Mar. 13	8.65	9,280	1963	Mar. 28	8.82	10,300
1938	Apr. 9	16.5	27,500	1951	Jan. 10	8.02	8,570	1964	Mar. 22	15.00	22,600
1939	Feb. 28	9.23	11,600	1952	Mar. 27	9.10	10,300	1965	Oct. 15	7.50	9,130
1940	Aug. 14	10.5	13,800	1953	Dec. 31	7.63	8,740	1966	Feb. 28	7.67	9,370
1941	July 6	9.88	12,400	1954	Jan. 29	7.27	8,420	1967	July 11	7.61	9,280
1942	Mar. 21	13.4	18,200	1955	Jan. 10	7.05	8,100	1968	Jan. 18	7.65	9,340
1943	Dec. 29	13.5	18,400	1956	May 14	7.29	8,190	1969	Feb. 21	7.06	8,510
1944	Mar. 29	13.1	16,600	1957	Apr. 12	8.50	9,840	1970	Jan. 9	7.21	8,560
1945	Apr. 25	8.5	9.300	1958	June 5	7.38	8,520	1971	Nov. 23	7.30	8,940
1946	Jan. 8	20.80	a40,400	1959	June 10	7.46	8,610	1972	Jan. 10	7.52	9,230
1947	Jan. 20	15.3	21,900	1960	Jan. 15	7.28	8,480	1973	June 1	7.02	8,930
1948	Feb. 9	12.7	13,500	1961	Mar. 15	8.32	9,720	1974	Apr. 4	7.25	9,280
1949	Nov. 29	16.9	26,500	1962	Jan. 7	8.75	10,200				

02394400 PUMPKINVINE CREEK BELOW DALLAS, GA.

LOCATION.--Lat 33°54'57", long 84°52'40", Paulding County, at State Highway 6, 2.2 mi west of Dallas.

DRAINAGE AREA.--40 mi^2, approximately.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 6,000 ft^3/s. Bankfull stage and discharge, 13 ft and 1,600 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 2,080	2,100
Q_5	= 3,380	3,410
Q_{10}	= 4,380	4,380
Q_{25}	= 5,790	5,750
Q_{50}	= 6,930	6,860
Q_{100}	= 8,170	7,960

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.314
Standard deviation	= 0.262
Station skew	= 0.085
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
t1951	Mar. 29	10.36	800	1959	July 1	13.48	1,800	1967	Apr. 26	11.37	1,060
1952	Mar. 24	15.25	2,720	1960	Jan. 30	13.12	1,640	1968	Apr. 5	11.49	1,100
1953	Jan. 10	14.48	2,300	1961	Feb. 23	20.28	6,800	1969	-	-	d515
1954	Jan. 16	15.64	2,970	1962	Dec. 19	14.19	2,150	1970	Mar. 20	14.80	2,480
1955	Feb. 6	14.57	2,360	1963	Mar. 13	18.19	4,910	1971	Apr. 24	13.83	1,960
1956	Mar. 16	12.69	1,500	1964	Jan. 25	15.73	3,040	1972	May 14	15.02	2,610
1957	Apr. 5	15.45	2,840	1965	Feb. 12	11.69	1,160	1973	Mar. 16	14.67	2,400
1958	Feb. 27	10.61	840	1966	Mar. 4	19.20	5,740	1974	Dec. 31	15.01	2,610

02394950 HILLS CREEK NEAR TAYLORSVILLE, GA.

LOCATION.--Lat 34°04'27", long 84°57'02", Polk County, on left bank on downstream side of highway bridge on county road, 2 mi southeast of Taylorsville, and 2 mi upstream from mouth.

DRAINAGE AREA.--26 mi^2, approximately.

GAGE.--Water-stage recorder. Altitude of gage is 690 ft, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,670 ft^3/s. Bankfull stage and discharge, 6 ft and 400 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	1,370	1,410
Q_5	2,370	2,430
Q_{10}	3,160	3,190
Q_{25}	4,280	4,250
Q_{50}	5,210	5,110
Q_{100}	6,230	5,960

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.137
Standard deviation	0.282
Station skew	0.010
Regional or weighted skew	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1960	Jan. 31	7.98	624	1965	Apr. 12	8.23	805	1970	Mar. 20	9.57	1,820
1961	Feb. 21	10.40	3,000	1966	Mar. 4	8.81	1,110	1971	Apr. 23	8.88	1,130
1962	Dec. 12	10.10	2,500	1967	Apr. 26	8.71	1,050	1972	Jan. 4	9.26	1,510
1963	Mar. 12	10.80	3,900	1968	Apr. 5	7.99	697	1973	Mar. 16	9.21	1,460
1964	Mar. 26	9.20	1,450	1969	Jan. 20	6.69	423	1974	Apr. 4	10.64	3,460

02395000 ETOWAH RIVER NEAR KINGSTON, GA.

LOCATION.--Lat 34°12'24", long 84°58'44", Bartow County, on downstream side of center pier of bridge on U.S. Highway 411, 1 mi upstream from Two Run Creek, 1.5 mi upstream from Connesena Creek, and 2.5 mi southwest of Kingston.

DRAINAGE AREA.--1,630 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 609.97 ft above mean sea level, Dixie Construction Co. bench mark. Prior to Aug. 11, 1928, nonrecording gage, Aug. 11, 1928, to Dec. 28, 1931, water-stage recorder, Nov. 16, 1936, to June 15, 1937, nonrecording gage and June 16, 1937, to June 27, 1960, water-stage recorder, all 500 ft upstream at same datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 41,000 ft^3/s. Bankfull stage and discharge, 14 ft 14,500 ft^3/s.

HISTORICAL DATA.--Peak stage for December 1919 based on information from local resident. The December 1919 flood was the highest since 1916, based on records downstream on Etowah River at Rome.

REMARKS.--Peak discharges since December 1949 are regulated by storage in Allatoona Reservoir (maximum flood-control storage, 587,200 acre-ft). Records furnished by Corps of Engineers after Oct. 1, 1950.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1920	Dec. 11	31	a52,000	1947	Jan. 21	22.1	29,900	1961	Feb. 21	18.52	25,200
1929	May 2	21.4	29,700	1948	Feb. 9	17.3	20,300	1962	Dec. 12	15.80	19,300
1930	Mar. 7	21.5	29,900	1949	Nov. 30	25.9	38,600	1963	Mar. 13	15.00	16,600
1931	Nov. 16	12.3	12,600	1950	Sept. 8	15.2	16,300	1964	Mar. 26	19.40	22,900
1937	Jan. 3	22.4	31,800	1951	Mar. 29	11.7	12,000	1965	Oct. 16	12.55	12,000
1938	Apr. 9	27.7	42,700	1952	Mar. 23	18.6	24,700	1966	Apr. 28	13.40	13,300
1939	Feb. 28	15.5	17,600	1953	May 8	12.1	12,800	1967	Aug. 25	14.37	15,000
1940	Aug. 14	13.8	14,500	1954	Jan. 16	12.68	13,600	1968	Jan. 10	13.92	14,300
1941	July 7	12.7	12,600	1955	Apr. 5	10.60	9,520	1969	Apr. 19	11.55	10,500
1942	Mar. 22	20.9	28,000	1956	Mar. 16	11.71	11,400	1970	Mar. 21	12.30	11,700
1943	Dec. 29	21.8	29,800	1957	Apr. 5	15.15	18,000	1971	Mar. 25	12.05	11,700
1944	Mar. 30	18.4	23,100	1958	Nov. 19	11.70	11,400	1972	Jan. 10	15.04	16,100
1945	Apr. 25	12.2	11,700	1959	June 1	11.1	9,730	1973	Mar. 16	15.14	16,200
1946	Jan. 9	26.1	39,000	1960	Feb. 1	10.8	9,330	1974	Apr. 5	17.56	20,100

02395500 DIKES CREEK NEAR ROME, GA.

LOCATION.--Lat 34°15'30", long 85°05'01", Floyd County, 0.5 mi upstream from bridge on U.S. Highway 411, 1.5 mi upstream from mouth, and 5 mi east of Rome.

DRAINAGE AREA.--14.8 mi^2.

GAGE.--Water-stage recorder. Altitude of gage is 620 ft, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 700 ft^3/s.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1939	Feb. 28	2.54	259	1941	July 7	1.38	70	1943	Dec. 29	4.6	873
1940	Mar. 14	1.87	141	1942	Feb. 16	5.1	1,010				

02396000 ETOWAH RIVER AT ROME, GA.

LOCATION.--Lat 34°15'26", long 85°09'30", Floyd County, on downstream side of center pier of Southern Railway bridge in Rome, 2 mi upstream from confluence with Oostanaula River.

DRAINAGE AREA.--1,810 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft above mean sea level. Since May 15, 1939, auxiliary water-stage recorder at Second Avenue Bridge, 1 mi downstream.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 37,000 ft^3/s. Stage-discharge relation is affected by backwater from Oostanaula River and fall between the base and auxiliary gages is used as a factor in computing discharge. Bankfull stage and discharge, 25 ft and about 15,000 ft^3/s.

HISTORICAL DATA.--Peak stage for December 1919 based on information from Corps of Engineers. Flood of December 1919 was maximum known flood since 1916 based on information from local residents; discharge estimated from data at upstream gaging stations.

REMARKS.--Peak discharges since December 1949 are regulated by storage in Allatoona Reservoir (maximum flood-control storage, 587,200 acre-ft). Peak discharges for 1920 and 1939 estimated.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1920	Dec. 11	-	a55,000	1951	Mar. 29	28.30	14,800	1963	Apr. 30	27.60	18,500
1938	Apr. 9	[1] 37.50	46,500		Mar. 30	31.10	-		Apr. 30	27.86	-
1939	Mar. 1	-	18,000	1952	Mar. 23	28.60	23,000	1964	Mar. 26	33.25	29,500
1940	Aug. 14	18.40	14,400		Mar. 23	28.70	-		Mar. 26	33.25	-
	Mar. 14	18.90	-	1953	May 8	19.80	11,700	1965	Mar. 30	22.97	-
1941	July 7	19.30	13,200	1954	Jan. 16	25.40	15,000		Apr. 5	-	12,500
	July 7	19.40	-		Jan. 22	26.50	-	1966	Mar. 4	-	18,000
1942	Mar. 22	29.10	27,000	1955	Feb. 7	21.30	9,430		Mar. 5	27.58	-
	Mar. 22	29.40	-		Feb. 7	22.20	-	1967	Aug. 26	25.31	-
1943	Dec. 30	32.10	29,000	1956	Mar. 17	20.50	11,400		Aug. 27	-	16,700
	Dec. 30	32.50	-		Mar. 17	20.60	-	1968	Jan. 10	-	16,500
1944	Mar. 30	30.70	25,200	1957	Apr. 5	27.90	19,300		Jan. 11	26.58	-
	Mar. 30	32.10	-		Apr. 5	28.10	-	1969	Apr. 19	-	10,700
1945	Feb. 14	20.60	-	1958	Nov. 19	20.81	10,500		Apr. 19	21.07	-
	Apr. 26	17.80	12,000		Nov. 24	21.40	-	1970	Mar. 20	-	13,200
1946	Jan. 9	36.20	36,900	1959	June 1	16.10	8,580		Mar. 22	22.94	-
	Feb. 11	37.40	-		June 2	16.20	-	1971	Mar. 26	-	11,600
1947	Jan. 21	36.70	28,900	1960	Feb. 1	17.30	8,620		Mar. 27	21.29	-
	Jan. 21	36.80	-		Mar. 4	18.00	-	1972	Jan. 11	-	17,700
1948	Feb. 10	28.20	22,200	1961	Feb. 22	30.10	23,700		Jan. 11	26.40	-
	Feb. 14	28.90	-		Feb. 25	30.39	-	1973	Mar. 17	-	18,100
1949	Nov. 30	37.40	35,700	1962	Dec. 12	28.16	20,700		Mar. 17	25.22	-
	Nov. 30	37.50	-		Dec. 18	28.45	-	1974	Apr. 4	29.02	21,700
1950	Mar. 14	27.60	16,000								
	Mar. 14	27.70	-								

[1] From U.S. Army Corps of Engineers

02397000 COOSA RIVER NEAR ROME, GA.

LOCATION.--Lat 34°12'01", long 85°15'24", Floyd County, on left bank attached to shoreward side of lock wall of Mayo Bar lock near upstream end, 1.5 mi upstream from Webb Creek, 6 mi southwest of Rome, 7.5 mi downstream from confluence of Oostanaula and Etowah Rivers, and at mile 278.6.

DRAINAGE AREA.--4,040 mi^2, approximately.

GAGE.--Water-stage recorder. Datum of gage is 553.05 ft above mean sea level (levels by Corps of Engineers). Nonrecording gage prior to June 21, 1928; water-stage recorder June 21, 1928, to Feb. 28, 1932; nonrecording gage Mar. 1, 1932, to Mar. 9, 1937; water-stage recorder Mar. 10, 1937, to Dec. 31, 1958; at site 200 ft downstream at same datum. Crest-stage gage December 1958 to Oct. 1, 1962, and water-stage recorder thereafter at present site.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 63,000 ft^3/s and extended above on basis of peak flow at gaging station on Coosa River at Gadsden, Ala. Bankfull stage and discharge, 30 ft and 39,000 ft^3/s.

HISTORICAL DATA.--From information given in, "A History of Rome and Floyd County," Georgia Department of Archives, the April 1886 flood on the Coosa River was the highest that has occurred since the city of Rome was founded in 1834.

REMARKS.--Peak stages for 1914-27 and 1933-36 furnished by Corps of Engineers. Peak discharges since December 1949 are slightly affected by storage in Allatoona Reservoir (maximum flood-control storage, 587,200 acre-ft) and since November 1924 by storage in Carters Lake and re-regulation dam (maximum flood-control storage, 230,600 acre-ft). Peak discharge for 1916 estimated.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1886	Apr. 1	43.0	a100,000	1934	Mar. 6	31.6	42,800	1955	Feb. 8	24.7	29,400
1914	Apr. 16	22.0	25,900	1935	Mar. 14	23.5	27,800	1956	Apr. 17	21.7	25,500
1915	Feb. 2	25.1	29,900	1936	Apr. 8	36.9	64,500	1957	Apr. 6	29.1	36,200
1916	July 12	-	65,500	1937	Jan. 4	34.9	54,600	1958	Nov. 20	22.9	27,100
1917	Mar. 6	34.0	51,000	1938	Apr. 10	36.2	64,000	1959	Apr. 21	16.1	18,600
1918	Jan. 31	26.2	31,400	1939	Mar. 1	26.5	34,000	1960	Mar. 5	19.8	23,300
1919	Dec. 24	32.0	44,000	1940	Mar. 14	20.4	25,500	1961	Feb. 26	30.2	39,000
1920	Dec. 12	36.4	62,000	1941	July 6	19.8	25,000	1962	Dec. 19	29.43	37,000
1921	Feb. 12	35.9	59,500	1942	Mar. 22	29.5	39,600	1963	May 1	28.33	34,600
1922	Jan. 24	33.9	50,600	1943	Dec. 31	33.2	48,800	1964	Mar. 27	31.98	49,500
1923	Dec. 19	29.7	37,800	1944	Mar. 31	32.4	45,700	1965	Mar. 31	25.02	30,300
1924	Apr. 20	26.6	31,900	1945	Feb. 14	22.9	27,100	1966	Mar. 5	28.31	35,300
1925	Jan. 20	32.1	44,300	1946	Feb. 12	36.8	64,100	1967	Aug. 26	25.06	30,900
1926	Jan. 19	24.0	28,500	1947	Jan. 22	37.0	65,000	1968	Jan. 11	27.10	33,800
1927	Dec. 30	26.6	31,900	1948	Feb. 15	31.0	41,000	1969	Feb. 9	23.55	28,000
1928	Dec. 17	20.2	23,700	1949	Nov. 30	36.7	63,500	1970	Mar. 22	24.55	29,500
1929	Mar. 16	30.7	43,000	1950	Mar. 15	29.6	37,500	1971	Mar. 4	22.91	27,000
1930	Mar. 9	30.9	44,200	1951	Mar. 30	33.6	49,400	1972	Jan. 12	26.69	32,300
1931	Nov. 17	24.9	30,000	1952	Mar. 24	28.8	35,600	1973	Mar. 18	25.85	29,900
1932	Feb. 4	27.8	33,700	1953	Jan. 10	21.5	25,300	1974	Apr. 5	28.89	37,000
1933	Dec. 30	37.0	65,000	1954	Jan. 23	29.5	37,200				

02397500 CEDAR CREEK NEAR CEDARTOWN, GA.

LOCATION.--Lat 34°03'38", long 85°18'41", Polk County, on left bank 700 ft downstream from bridge on State Highway 161, 4.5 mi upstream from Lake Creek, and 4.5 mi northwest of Cedartown.

DRAINAGE AREA.--109 mi^2.

GAGE.--Water-stage recorder prior to Sept. 30, 1973; crest-stage gage thereafter. Datum of gage is 724.72 ft above mean sea level (levels by Georgia Department of Transportation).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 10,600 ft^3/s. Bankfull stage and discharge, 8 ft and 3,000 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
32 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 5,200	5,140
Q_5	= 8,000	7,880
Q_{10}	= 10,000	9,770
Q_{25}	= 12,800	12,500
Q_{50}	= 14,900	14,500
Q_{100}	= 17,200	16,600

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.716
Standard deviation	= 0.223
Station skew	= 0.032
Regional or weighted skew	= 0.004

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1943	Apr. 19	10.3	4,240	1954	Jan. 16	13.1	6,180	1965	June 8	6.92	2,560
1944	Mar. 7	10.5	4,370	1955	Feb. 7	9.9	4,170	1966	Apr. 29	14.43	7,280
1945	Mar. 4	7.9	2,830	1956	Mar. 16	8.8	3,340	1967	Apr. 27	8.58	3,360
1946	Feb. 10	15.8	9,700	1957	Apr. 5	13.5	6,500	1968	Mar. 12	[1]9.88	3,770
1947	Jan. 20	14.2	7,060	1958	July 20	8.2	2,920	1969	Apr. 15	6.98	2,220
1948	Feb. 9	8.65	3,200	1959	May 31	9.9	4,170	1970	Mar. 20	14.08	6,920
1949	Nov. 28	16.40	10,800	1960	Jan. 31	6.6	1,720	1971	Apr. 24	10.70	4,370
1950	Mar. 13	10.5	4,680	1961	Feb. 21	16.2	8,400	1972	Jan. 5	11.70	5,100
1951	Mar. 29	14.54	7,300	1962	July 7	16.1	8,300	1973	Mar. 17	11.76	5,700
1952	Mar. 23	13.4	6,420	1963	Mar. 13	14.20	6,840	1974	Apr. 4	16.40	10,800
1953	Jan. 9	8.6	3,200	1964	Mar. 26	11.40	5,360				

[1] Peak stage occurred at different time than peak discharge.

02397750 DUCK CREEK ABOVE LAFAYETTE, GA.

LOCATION.--Lat 34°42'17", long 85°19'40", Walker County, at culvert on county road, 2.5 mi west of LaFayette.

DRAINAGE AREA.--6.34 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 410 ft^3/s and extended above on basis of culvert computations.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	674	668
Q_5	911	921
Q_{10}	1,070	1,100
Q_{25}	1,260	1,310
Q_{50}	1,400	1,470
Q_{100}	1,550	1,640

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	2.829
Standard deviation	0.155
Station skew	-
Regional or weighted skew	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 26	6.93	812	1969	Sept. 5	7.22	885	1972	May 13	8.40	1,200
1966	Mar. 4	7.85	1,030	1970	Dec. 30	5.76	557	1973	Mar. 16	10.45	1,880
1967	Nov. 10	5.50	505	1971	Feb. 5	6.14	633	1974	Dec. 5	6.37	679
1968	Dec. 18	5.74	553								

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA.

LOCATION.--Lat 34°28'03", long 85°20'19", Chattooga County, on left bank 600 ft downstream from bridge on U.S. Highway 27, 1 mi southeast of Summerville, and 4 mi upstream from Raccoon Creek.

DRAINAGE AREA.--193 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 613.47 ft above mean sea level (levels by Georgia Department of Transportation). Prior to Nov. 12, 1937, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 22,000 ft^3/s. Bankfull stage and discharge, 13 ft and 3,600 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
37 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	8,560	8,400
Q_5	13,700	13,300
Q_{10}	17,500	16,700
Q_{25}	22,600	21,400
Q_{50}	26,700	25,200
Q_{100}	30,900	28,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.931
Standard deviation	0.243
Station skew	-0.217
Regional or weighted skew	-0.034

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1938	Apr. 8	17.7	12,100	1951	Mar. 29	21.0	24,500	1963	Apr. 30	17.4	11,700
1939	Feb. 28	16.9	10,200	1952	Mar. 11	19.0	16,000	1964	Mar. 15	17.4	11,700
1940	Mar. 14	12.2	3,240	1953	Feb. 21	16.4	8,220	1965	Mar. 27	16.47	9,070
1941	July 16	11.4	2,660	1954	Jan. 16	17.2	10,300	1966	Mar. 4	19.50	20,400
1942	Feb. 17	14.8	5,040	1955	Feb. 7	15.5	6,310	1967	Feb. 21	13.29	3,790
1943	Dec. 29	17.9	12,600	1956	Feb. 17	15.6	6,500	1968	Dec. 19	15.77	7,440
1944	Mar. 29	16.2	7,330	1957	Feb. 1	16.1	7,540	1969	Feb. 3	15.66	7,220
1945	Feb. 13	16.1	7,110	1958	Nov. 18	18.4	13,900	1970	Dec. 31	14.57	4,730
1946	Jan. 8	18.8	16,600	1959	Jan. 22	13.0	3,290	1971	Feb. 5	14.64	5,230
1947	Jan. 20	17.3	10,400	1960	Mar. 3	12.8	3,190	1972	May 14	17.48	11,700
1948	Feb. 13	16.8	9,200	1961	Feb. 23	16.4	8,220	1973	Mar. 17	19.15	18,600
1949	Nov. 28	20.6	22,700	1962	Dec. 18	16.9	9,460	1974	Nov. 28	15.71	7,320
1950	Sept. 8	17.0	9,720								

02398300 CHATTOOGA RIVER ABOVE GAYLESVILLE, ALA.

LOCATION.--Lat 34°17'30", long 85°30'30", in SW¼ sec. 32, T. 9 S., R. 11 E., Cherokee County, on left bank 10 ft upstream from bridge on county highway, 600 ft downstream from Mills Creek, and 3.5 mi northeast of Gaylesville.

DRAINAGE AREA.--368 mi^2.

GAGE.--Recording. Datum of gage is 562.11 ft above mean sea level (Alabama Power Company bench mark). Prior to July 20, 1959, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements. Bankfull stage and discharge, 16 ft and 5,500 ft /s.

REMARKS.--Peak discharges for 1938-60 from station downstream, "Chattooga River at Gaylesville, Ala.;" drainage area, 367 mi^2, datum, 549.56 ft above mean sea level. Peak discharges for 1968-69 estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
37 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	9,510	-
Q_5	14,400	-
Q_{10}	18,000	-
Q_{25}	22,900	-
Q_{50}	26,800	-
Q_{100}	30,900	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.981
Standard deviation	0.214
Station skew	0.490
Regional or weighted skew	0.078

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1938	Apr. 9	20.6	12,100	1951	Mar. 30	25.24	33,700	1963	Apr. 30	20.95	13,600
1939	Mar. 1	19.3	8,550	1952	Mar. 12	21.1	14,600	1964	Mar. 26	20.85	13,300
1940	Mar. 14	15.2	4,190	1953	Feb. 22	19.2	8,600	1965	Mar. 27	18.94	10,100
1941	July 16	17.8	6,140	1954	Jan. 17	19.57	9,700	1966	Mar. 5	22.03	16,500
1942	Feb. 17	18.8	7,600	1955	Feb. 8	18.30	6,780	1967	Feb. 21	14.60	4,460
1943	Dec. 30	21.0	13,500	1956	Apr. 17	18.4	6,960	1968	Dec. 19	-	9,000
1944	Mar. 29	20.1	10,600	1957	Feb. 2	20.1	11,200	1969	Feb. 2	-	7,000
1945	Feb. 15	18.3	6,830	1958	Nov. 20	20.2	11,500	1970	Apr. 27	16.35	5,620
1946	Feb. 11	22.17	18,100	1959	Apr. 20	17.3	4,320	1971	Feb. 5	16.36	5,620
1947	Jan. 21	21.2	14,200	1960	Mar. 30	16.8	4,720	1972	May 15	18.96	9,820
1948	Feb. 10	17.86	6,140	1961	Feb. 23	20.56	12,000	1973	Mar. 18	20.25	12,500
1949	Nov. 29	24.6	32,000	1962	Jan. 28	20.34	11,500	1974	Apr. 5	17.56	7,200
1950	Mar. 14	20.6	12,700								

02399000 LITTLE RIVER NEAR JAMESTOWN, ALA.

LOCATION.--Lat 34°24', long 85°38', in NE¼ sec. 30, T. 7 S., R. 10 E., Cherokee County, 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.--121 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 1,177.4 ft above mean sea level (Alabama Power Company bench mark). Water-stage recorder, October 1928 to April 1932 and May 1935 to September 1949.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 11.0 ft and 15,000 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	10,200	-
Q_5	15,700	-
Q_{10}	19,600	-
Q_{25}	25,000	-
Q_{50}	29,200	-
Q_{100}	33,500	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	4.007
Standard deviation	0.223
Station skew	-0.395
Regional or weighted skew	-0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1929	Mar. 14	10.40	14,600	1940	Feb. 18	6.27	4,990	1948	Feb. 12	7.7	7,650
1930	Nov. 14	9.38	11,900	1941	July 17	4.91	2,850	1949	Nov. 28	12.9	21,800
1931	Nov. 16	6.42	5,210	1942	Feb. 17	6.52	5,380	1961	Feb. 22	7.55	7,470
1932	Jan. 30	8.62	9,830	1943	Dec. 28	12.20	19,700	1962	Dec. 18	9.92	13,000
1936	Feb. 4	11.90	18,800	1944	Feb. 27	7.97	8,350	1964	Mar. 25	9.06	10,800
1937	Jan. 2	9.09	11,100	1945	Feb. 13	7.73	7,650	1965	Mar. 26	8.32	9,110
1938	Apr. 8	9.00	10,900	1946	Jan. 8	11.56	17,900	1966	Mar. 3	13.83	25,000
1939	Feb. 28	8.57	9,830	1947	Jan. 20	9.02	10,900	1967	Feb. 20	8.76	10,100

02399800 LITTLE TERRAPIN CREEK NEAR BORDEN SPRINGS, ALA.

LOCATION.--Lat 33°54', long 85°28', in NE¼ sec. 10, T. 13 S., R. 11 E., Cleburne County, 35 ft downstream from right abutment of bridge on county road 35, 0.5 mi above mouth, 1.2 mi south of Borden Springs, and 4.5 mi north of Oak Level.

DRAINAGE AREA.--15.9 mi^2.

GAGE.--Recording.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 7.0 ft and 12,300 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
8 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	1,020	-
Q_5 =	1,840	-
Q_{10} =	2,500	-
Q_{25} =	3,470	-
Q_{50} =	4,290	-
Q_{100} =	5,190	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.010
Standard deviation	= 0.303
Station skew	= -1.798
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1961	Feb. 21	8.24	1,620	1964	Mar. 15	6.77	1,170	1968	Jan. 10	7.21	1,300
1962	July 6	8.05	1,560	1965	Feb. 12	3.29	226	1969	Feb. 3	4.68	599
1963	Mar. 12	8.86	1,820	1966	Mar. 4	7.11	1,270				

02400000 TERRAPIN CREEK NEAR PIEDMONT, ALA.

LOCATION.--Lat 33°57', long 85°34', in SE¼ sec. 27, T. 12 S., R. 10 E., Calhoun County, on left bank at downstream side of bridge on U.S. Highway 278 and State Highway 74, 500 ft upstream from Southern Railway bridge, 0.5 mi upstream from Ladiga Creek, and 3 mi northeast of Piedmont.

DRAINAGE AREA.--115 mi^2.

GAGE.--Recording. Datum of gage is 649.79 ft above mean sea level, datum of 1929. January 1955 to September 1956, nonrecording gage at present site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 12.0 ft and 10,000 ft^3/s. Bankfull stage and discharge, 6.0 ft and 2,200 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
19 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	7,860	-
Q_5 =	13,300	-
Q_{10} =	17,500	-
Q_{25} =	23,500	-
Q_{50} =	28,300	-
Q_{100} =	33,600	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.896
Standard deviation	= 0.271
Station skew	= -0.267
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1945	May 13	8.44	3,950	1952	Mar. 23	11.0	10,000	1958	Sept.21	9.2	4,160
1946	Mar. 28	12.03	14,600	1953	Jan. 9	9.5	5,690	1959	Jan. 21	8.0	3,500
1947	Jan. 20	11.20	11,000	1954	Jan. 16	11.54	12,000	1960	Jan. 31	6.4	2,310
1948	Feb. 7	8.3	3,830	1955	Feb. 7	9.8	6,380	1961	Feb. 23	12.00	14,000
1949	Nov. 28	13.3	21,000	1956	Mar. 17	9.0	4,790	1962	Dec. 12	11.32	10,900
1950	Mar. 13	9.6	5,900	1957	Apr. 5	11.1	10,600	1963	Mar. 12	11.97	13,800
1951	Mar. 29	12.7	17,800								

02401000 BIG WILLS CREEK NEAR CRUDUP, ALA.
(Flood hydrograph station)

LOCATION.--Lat 34°05'53", long 86°02'17", in SE¼ sec. 6, T. 11 S., R. 6 E., Etowah County, near right bank on upstream side of bridge on county road, 1 mi upstream from Fisher Creek, 2 mi west of Crudup, and at mile 25.0.

DRAINAGE AREA.--185 mi^2.

GAGE.--Recording. Datum of gage is 570.0 ft above mean sea level (by barometer).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 14.0 ft and 11,000 ft^3/s. Bankfull stage and discharge, 9.0 ft and 3,000 ft^3/s.

REMARKS.--Peak discharge for 1959 is maximum daily. Peak discharge for 1968 estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
31 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	5,230	-
Q_5	8,200	-
Q_{10}	10,400	-
Q_{25}	13,300	-
Q_{50}	15,700	-
Q_{100}	20,800	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.718
Standard deviation	= 0.232
Station skew	= -0.387
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1884	-	16.3	-	1954	Jan. 16	11.1	5,180	1965	Mar. 27	11.72	6,510
1944	Mar. 29	10.76	5,410	1955	Feb. 7	9.64	3,040	1966	Mar. 4	13.66	10,400
1945	Feb. 14	9.52	2,920	1956	Apr. 17	10.2	3,760	1967	Feb. 21	9.80	3,420
1946	Feb. 10	13.04	9,530	1957	Feb. 2	11.2	5,360	1968	Jan. 10	-	7,000
1947	Jan. 21	11.8	7,030	1958	Nov. 19	12.0	6,250	1969	May 19	10.81	4,800
1948	Feb. 14	11.0	5,480	1959	Feb. 14	-	1,400	1970	Apr. 27	10.39	4,150
1949	Nov. 20	10.76	4,910	1960	Mar. 3	7.88	1,710	1971	Feb. 27	10.15	3,820
1950	Mar. 14	12.0	7,430	1961	Feb. 23	11.56	6,310	1972	Jan. 5	9.55	3,150
1951	Mar. 29	14.5	14,800	1962	Jan. 28	12.76	9,180	1973	May 28	11.90	6,850
1952	Dec. 21	10.6	4,340	1963	Apr. 30	14.37	11,800	1974	Dec. 27	9.30	2,900
1953	Feb. 22	11.1	5,180	1964	Mar. 26	13.76	10,600				

02405800 TALLADEGA CREEK ABOVE TALLADEGA, ALA.

LOCATION.--Lat 33°22'30", long 86°01'20", in W½ sec. 16, T. 19 S., R. 6 E., Talladega County, on right bank 300 ft upstream from Mump Creek, 0.5 mi upstream from bridge on State Highway 77, and 6 mi southeast of Talladega.

DRAINAGE AREA.--67.3 mi^2.

GAGE.--Recording. Datum of gage is 630 ft above mean sea level, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 9.0 ft and 3,800 ft^3/s.

REMARKS.--Peak discharge for 1958-59 estimated.

FLOOD-FREQUENCY DATA (ft^3/s)
13 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	2,670	-
Q_5	4,440	-
Q_{10}	5,770	-
Q_{25}	7,580	-
Q_{50}	9,020	-
Q_{100}	10,500	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.422
Standard deviation	= 0.266
Station skew	= -0.380
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1958	Feb. 6	7.89	3,100	1963	Mar. 12	6.17	2,100	1967	Aug. 24	4.46	1,100
1959	Jan. 21	4.65	1,200	1964	Jan. 25	10.64	4,940	1968	Apr. 5	9.66	4,250
1960	Jan. 30	4.22	1,050	1965	Feb. 12	5.16	1,500	1969	May -	8.53	3,520
1961	Feb. 21	9.05	3,830	1966	Feb. 13	7.69	3,010	1970	Mar. 19	12.70	6,550
1962	Feb. 22	9.46	4,110								

02411800 LITTLE RIVER NEAR BUCHANAN, GA.

LOCATION.--Lat 33°47'51", long 85°07'03", Haralson County, on right bank 150 ft upstream from county highway bridge, 4.5 mi east of Buchanan, and 7 mi upstream from mouth.

DRAINAGE AREA.--18 mi^2, approximately.

GAGE.--Water-stage recorder. Altitude of gage is 1,110 ft, from topographic map.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,300 ft^3/s and extended above on basis of slope-area measurement at 3,710 ft^3/s. Bankfull stage and discharge, 8 ft and 1,500 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
15 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 1,720	1,600
Q_5	= 2,840	2,550
Q_{10}	= 3,680	3,230
Q_{25}	= 4,820	4,140
Q_{50}	= 5,730	4,910
Q_{100}	= 6,680	5,640

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.231
Standard deviation	= 0.264
Station skew	= -0.285
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1960	Apr. 3	6.05	780	1965	Apr. 5	6.69	1,140	1970	Mar. 20	11.69	3,080
1961	Feb. 21	12.47	3,710	1966	Mar. 4	12.58	3,820	1971	Mar. 3	6.15	1,080
1962	Feb. 22	8.50	1,450	1967	Aug. 24	9.25	1,840	1972	May 14	7.18	1,290
1963	Mar. 12	11.50	2,700	1968	Apr. 5	5.90	1,030	1973	Mar. 16	10.16	2,180
1964	Jan. 25	12.20	3,480	1969	Jan. 20	3.68	518	1974	Dec. 31	9.30	1,840

02411900 TALLAPOOSA RIVER AT TALLAPOOSA, GA.

LOCATION.--Lat 33°46'27", long 85°18'00", Haralson County, at State Highway 100, 2 mi north of Tallapoosa.

DRAINAGE AREA.--237 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 935.06 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 8,700 ft^3/s and extended above on basis of slope-area measurement at 20,000 ft^3/s. Bankfull stage and discharge, 19 ft and 6,000 ft^3/s.

HISTORICAL DATA.--Peak stage for November 1948 obtained from floodmarks and is thought to be the highest since 1920, based on other gaging stations in this area. Peak stage for February 1936 based on information from local resident who also indicated the 1936 flood was the highest for period 1936 to 1948.

FLOOD-FREQUENCY DATA (ft^3/s)
26 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 5,910	5,830
Q_5	= 8,700	8,660
Q_{10}	= 10,600	10,700
Q_{25}	= 13,000	13,300
Q_{50}	= 14,900	15,500
Q_{100}	= 16,700	17,500

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.768
Standard deviation	= 0.203
Station skew	= -0.134
Regional or weighted skew	= -0.114

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1936	Feb. -	24.1	10,400	1958	Apr. -	11.93	2,860	1967	Aug. 24	23.72	9,700
1949	Nov. 29	27.40	a20,000	1959	May 31	17.50	5,300	1968	May 16	16.16	4,530
1951	Mar. -	12.5	3,080	1960	Apr. 3	10.36	2,340	1969	May 19	12.54	3,080
1952	Mar. 23	22.37	8,120	1961	Feb. 21	24.7	11,500	1970	Mar. 20	23.30	10,600
1953	Jan. 10	18.1	5,660	1962	Feb. 23	20.38	6,740	1971	June 23	17.19	5,040
1954	Jan. 16	19.93	6,440	1963	Mar. 13	20.76	6,980	1972	Jan. 10	20.10	7,100
1955	Feb. 23	13.43	3,390	1964	Apr. 6	19.75	6,380	1973	Mar. 16	19.12	6,010
1956	Mar. 16	21.66	7,560	1965	Mar. 27	12.53	3,080	1974	Dec. 31	22.02	7,820
1957	Apr. 5	20.60	6,860	1966	Mar. 3	18.60	5,800				

02412000 TALLAPOOSA RIVER NEAR HEFLIN, ALA.

LOCATION.--Lat 33°37'22", long 85°31'20", in NW¼ sec. 20, T. 16 S., R. 11 E., Cleburne County, on right bank 5 ft downstream from county road bridge, 2.2 mi upstream from Cane Creek, 4 mi southeast of Heflin, and at mile 186.6.

DRAINAGE AREA.--444 mi^2.

GAGE.--Recording. Datum of gage is 830 ft above mean sea level (by barometer).

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 25.0 ft and 15,000 ft^3/s. Bankfull stage and discharge, 19.0 ft and 7,500 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
22 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 7,990	-
Q_5	= 11,300	-
Q_{10}	= 13,500	-
Q_{25}	= 16,300	-
Q_{50}	= 18,400	-
Q_{100}	= 20,400	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.899
Standard deviation	= 0.182
Station skew	= 0.317
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1953	Jan. 10	20.4	8,110	1961	Feb. 22	26.39	19,300	1968	May 16	25.65	17,100
1954	Jan. 18	19.00	7,020	1962	Feb. 24	21.34	9,100	1969	Apr. 16	12.85	3,940
1955	Apr. 14	14.67	4,770	1963	Apr. 30	22.95	11,400	1970	Mar. 21	24.21	13,700
1956	Mar. 17	18.7	6,840	1964	Mar. 16	20.29	8,690	1971	Mar. 3	17.96	6,400
1957	Apr. 5	21.4	9,140	1965	Apr. 6	13.36	4,320	1972	Jan. 12	21.08	9,470
1958	Feb. 7	14.8	4,820	1966	Feb. 17	17.43	6,710	1973	Mar. 18	19.65	8,160
1959	June 1	18.7	6,840	1967	Aug. 26	22.02	10,000	1974	Jan. 2	21.20	9,600
1960	Feb. 1	15.07	4,950								

02413000 LITTLE TALLAPOOSA RIVER AT CARROLLTON, GA.

LOCATION.--Lat 33°35'50", long 85°04'49", Carroll County, on left bank at city water-pumping plant, 200 ft downstream from bridge on U.S. Highway 27 at Carrollton, 1 mi upstream from Central of Georgia Railway bridge, and 3.5 mi upstream from Buck Creek.

DRAINAGE AREA.--89 mi^2, approximately.

GAGE.--Nonrecording. Datum of gage is 971.25 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 5,200 ft^2/s. Bankfull stage and discharge,, 11 ft and 1,800 ft^3/s.

REMARKS.--Peak stage for February 1936 obtained from floodmark.

FLOOD-FREQUENCY DATA (ft^3/s)
29 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 2,640	2,660
Q_5	= 3,840	3,960
Q_{10}	= 4,650	4,940
Q_{25}	= 5,680	6,180
Q_{50}	= 6,460	7,190
Q_{100}	= 7,230	8,140

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.418
Standard deviation	= 0.196
Station skew	= -0.266
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1936	Feb. 1	18.2	5,450	1947	Jan. 20	15.9	4,080	1957	Apr. 5	14.0	3,330
1938	Apr. 8	16.7	5,370	1948	Feb. 9	11.2	1,930	1958	Feb. 7	11.3	1,980
1939	Aug. 18	10.6	1,680	1949	Nov. 29	19.3	6,010	1959	June 1	13.6	3,130
1940	July 9	13.1	3,030	1950	Sept. 8	10.7	1,670	1960	Jan. 31	12.0	2,330
1941	July 12	9.28	1,060	1951	Mar. 30	9.3	980	1961	Feb. 25	14.5	3,580
1942	Mar. 22	13.1	2,670	1952	Dec. 21	15.3	3,980	1962	Dec. 19	13.4	3,030
1943	Mar. 21	14.1	3,220	1953	Jan. 9	13.0	2,830	1963	Apr. 30	11.4	2,030
1944	Apr. 12	12.8	2,520	1954	Jan. 17	10.6	1,620	1964	Apr. 7	12.2	2,430
1945	July 14	14.7	3,380	1955	Feb. 8	10.5	1,510	1965	Dec. 26	10.9	1,780
1946	Jan. 7	14.4	3,220	1956	Mar. 16	14.6	3,630				

02413200 LITTLE TALLAPOOSA RIVER NEAR BOWDON, GA.

LOCATION.--Lat 33°30'48", long 85°14'03", Carroll County, at State Highway 5, 2.2 mi southeast of Bowdon.

DRAINAGE AREA.--210 mi^2, approximately.

GAGE.--Crest-stage gage. Prior to December 10, 1954, at site 200 ft downstream.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 7,160 ft^2/s. Bankfull stage and discharge,, 14 ft and 3,000 ft^3/s.

HISTORICAL DATA.--Peak of November 1948 thought to be highest since December 1919, based on data for other stations in this area.

FLOOD-FREQUENCY DATA (ft^3/s)
26 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	3,700	3,800
Q_5	5,400	5,740
Q_{10}	6,480	7,180
Q_{25}	7,780	8,920
Q_{50}	8,710	10,400
Q_{100}	9,600	11,600

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.557
Standard deviation	= 0.206
Station skew	= -0.713
Regional or weighted skew	= -0.345

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1949	Nov. 29	22.5	a9,500	1958	July 20	13.0	2,800	1967	Nov. 10	13.60	2,940
1950	Sept. 9	8.88	1,440	1959	May 31	15.8	4,000	1968	May 16	18.20	5,560
1951	June 5	10.3	1,870	1960	Jan. 31	13.9	3,160	1969	May 9	15.72	3,950
1952	Dec. 22	16.7	4,520	1961	Feb. 26	17.8	5,260	1970	Mar. 20	19.10	6,280
1953	Jan. 10	14.2	3,280	1962	Dec. 20	16.84	4,580	1971	Mar. 30	17.05	4,740
1954	Jan. 16	8.08	1,200	1963	Apr. 30	18.00	5,400	1972	Jan. 10	18.62	5,900
1955	Mar. -	9.72	1,680	1964	Apr. 6	16.04	4,100	1973	Mar. 16	14.18	3,190
1956	Mar. 16	18.5	5,800	1965	Dec. 26	11.86	2,260	1974	Dec. 31	17.89	5,320
1957	Apr. 5	16.8	4,580	1966	Feb. 13	13.81	3,020				

02413400 WEDOWEE CREEK ABOVE WEDOWEE, ALA.

LOCATION.--Lat 33°19', long 85°21', in SE¼ sec. 36, T. 19 S., R. 12 E., Randolph County, at right upstream abutment of bridge on county highway 56, 8 mi east of Wedowee.

DRAINAGE AREA.--6.5 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 1,050 ft above mean sea level (from topographic map). Prior to Sept. 30, 1966, water-stage recorder at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 6.7 ft and 1,200 ft^3/s.

REMARKS.--Discontinued as continuous-record station September 1966; converted to crest-stage gage October 1966.

FLOOD-FREQUENCY DATA (ft^3/s)
13 YEARS OF RECORD

	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2	881	-
Q_5	1,140	-
Q_{10}	1,290	-
Q_{25}	1,480	-
Q_{50}	1,620	-
Q_{100}	1,750	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.943
Standard deviation	= 0.133
Station skew	= -0.141
Regional or weighted skew	= -0.100

Peak stage and discharges

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

02413500 LITTLE TALLAPOOSA RIVER NEAR WEDOWEE, ALA.

LOCATION.--Lat 33°21', long 85°33', in NE¼ sec. 25, T. 19 S., R. 10 E., Randolph County, on right bank at downstream side of right pier of highway bridge, 4.5 mi northwest of Wedowee, and 5.5 mi upstream from mouth.

DRAINAGE AREA.--592 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 680 ft above mean sea level (revised), from topographic map. Aug. 29, 1913, to June 30, 1914, nonrecording gage about 40 ft upstream at datum 2.70 ft higher. Oct. 19, 1939, to Jan. 31, 1940, nonrecording gage and Feb. 1, 1940, to Dec. 31, 1951, water-stage recorder, at present site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 18.0 ft and 13,000 ft^3/s.

REMARKS.--Discontinued September 1970.

FLOOD-FREQUENCY DATA (ft^3/s)
31 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 11,700	-
Q_5	= 18,100	-
Q_{10}	= 22,500	-
Q_{25}	= 28,400	-
Q_{50}	= 32,900	-
Q_{100}	= 37,500	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 4.066
Standard deviation	= 0.226
Station skew	= -0.663
Regional or weighted skew	= -0.100

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1940	July 9	14.92	9,040	1951	Mar. 29	12.8	6,920	1961	Feb. 25	22.58	25,500
1941	July 12	10.10	4,110	1952	Dec. 21	18.7	16,000	1962	Dec. 19	18.90	16,400
1942	Mar. 21	20.40	19,800	1953	Apr. 30	15.1	9,790	1963	Apr. 30	22.34	24,600
1943	Mar. 21	17.47	14,000	1954	Jan. 18	8.9	3,300	1964	Apr. 8	17.26	14,300
1944	Apr. 11	16.65	12,500	1955	Apr. 15	13.3	7,480	1965	Dec. 27	14.60	9,100
1945	Apr. 25	16.33	12,000	1956	Mar. 18	20.7	20,600	1966	Feb. 14	15.29	10,100
1946	Jan. 6	18.67	16,300	1957	Apr. 5	20.3	19,600	1967	Nov. 10	13.90	8,200
1947	Jan. 20	18.37	15,400	1958	Nov. 23	16.9	12,500	1968	May 16	19.02	16,700
1948	Mar. 23	18.9	16,400	1959	June 2	12.4	6,480	1969	May 19	14.70	9,230
1949	Nov. 28	20.8	20,800	1960	Jan. 31	13.0	7,140	1970	Mar. 21	18.83	16,300
1950	Mar. 13	10.7	4,810								

03439000 FRENCH BROAD RIVER AT ROSMAN, N.C.

LOCATION.--Lat 35°08'32", long 82°49'28", Transylvania County, on left bank at upstream side of bridge on U.S. Highway 178 at Rosman, 1.0 mi upstream from East Fork, and at mile 216.4.

DRAINAGE AREA.--67.9 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 2,173.83 ft above mean sea level. Prior to June 30, 1909, nonrecording gage at site 500 ft downstream at different datum. Jan. 1, 1936, to July 6, 1937, nonrecording gage at present site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter and slope-area measurements.

REMARKS.--The peak stage for flood of July 1916 obtained from floodmarks. The peak stage for the flood of August 1928 estimated by Tennessee Valley Authority.

FLOOD-FREQUENCY DATA (ft^3/s)
41 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	4,120	-
Q_5	6,140	-
Q_{10}	7,580	-
Q_{25}	9,500	-
Q_{50}	11,000	-
Q_{100}	12,600	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.616
Standard deviation	0.205
Station skew	0.217
Regional or weighted skew	0.044

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1908	Feb. 15	9.0	6,000	1947	Jan. 20	7.80	2,730	1961	Feb. 25	9.43	3,760
1909	June 4	7.5	4,350	1948	Aug. 3	9.08	3,620	1962	Dec. 12	9.13	3,540
1916	July -	13.9	(b)	1949	June 16	9.49	4,080	1963	Mar. 6	7.12	2,320
1928	Aug. -	12.5	(b)	1950	Sept. 1	11.17	5,700	1964	Sept.29	13.31	9,600
1936	Apr. 6	9.4	4,280	1951	Dec. 7	10.23	4,500	1965	Oct. 4	14.95	13,500
1937	Oct. 9	7.5	2,560	1952	Mar. 11	11.15	5,660	1966	Feb. 13	12.50	7,970
1938	Oct. 19	10.15	5,400	1953	Feb. 21	10.11	4,380	1967	June 4	10.55	4,870
1939	Aug. 18	10.55	6,100	1954	Jan. 22	8.40	3,060	1968	Mar. 12	9.80	4,080
1940	Aug. 30	11.86	9,410	1955	May 22	7.47	2,530	1969	June 15	9.51	3,830
1941	July 7	6.40	1,970	1956	Apr. 15	7.78	2,700	1970	Nov. 1	7.16	2,340
1942	May 20	10.38	5,740	1957	Apr. 4	10.80	5,180	1971	Oct. 11	10.61	4,940
1943	Dec. 29	9.86	4,940	1958	Dec. 20	8.90	3,380	1972	May 3	10.01	4,280
1944	Mar. 29	5.22	1,340	1959	Jan. 21	9.12	3,530	1973	May 28	13.09	9,140
1945	Apr. 17	7.26	2,360	1960	Oct. 9	8.10	2,880	1974	Dec. 26	10.25	4,520
1946	Feb. 10	7.45	2,460								

03441000 DAVIDSON RIVER NEAR BREVARD, N.C.

LOCATION.--Lat 35°16'23", long 82°42'21", Transylvania County, on right bank 150 ft upstream from bridge on State Highway 280, 2.1 mi downstream from Avery Creek, 3.3 mi northeast of Brevard, and at mile 2.2.

DRAINAGE AREA.--40.4 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 2,115.13 ft above mean sea level (levels by Tennessee Valley Authority). Prior to May 17, 1934, nonrecording gage at site 50 ft downstream at same datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

HISTORICAL DATA.--Studies by Tennessee Valley Authority indicate the flow of June 1876 is the highest known since at least 1869.

FLOOD-FREQUENCY DATA (ft^3/s)
54 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	2,700	-
Q_5	4,190	-
Q_{10}	5,270	-
Q_{25}	6,740	-
Q_{50}	7,890	-
Q_{100}	9,090	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.432
Standard deviation	0.226
Station skew	-0.055
Regional or weighted skew	-0.021

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1876	June -	11.9	(b)	1937	Oct. 16	6.18	2,110	1956	Apr. 15	4.77	2,030
1916	July 16	10.3	(b)	1938	Oct. 18	7.85	3,450	1957	Apr. 4	7.24	4,770
1919	Oct. -	10.9	(b)	1939	Aug. 18	7.08	3,650	1958	Dec. 20	5.05	2,060
1921	Dec. 14	7.7	3,780	1940	Aug. 13	9.20	6,100	1959	Jan. 21	5.98	2,880
1922	Dec. 17	5.0	1,690	1941	July 19	2.87	701	1960	Aug. 12	5.43	2,370
1923	May 29	6.3	2,590	1942	May 20	7.49	5,110	1961	Aug. 24	5.67	2,580
1924	Jan. 11	6.75	2,950	1943	Dec. 29	5.69	2,930	1962	Dec. 12	5.59	2,510
1925	Dec. 8	4.5	1,390	1944	Mar. 29	3.17	870	1963	Mar. 6	4.66	1,780
1926	Jan. 18	6.0	2,360	1945	Apr. 17	4.89	2,140	1964	Sept.29	8.78	4,980
1927	Nov. 15	5.7	2,150	1946	Feb. 10	4.34	1,670	1965	Oct. 4	10.64	6,470
1928	Aug. 15	11.8	8,400	1947	Jan. 20	4.94	2,180	1966	Feb. 13	8.28	4,580
1929	Mar. 14	7.0	3,160	1948	Sept. 6	5.70	2,930	1967	June 4	7.98	4,340
1930	Oct. 21	4.9	1,630	1949	June 16	8.68	6,800	1968	Mar. 12	5.43	2,320
1931	Apr. 22	5.3	1,880	1950	Aug. 31	6.07	3,340	1969	Aug. 22	4.68	1,800
1932	Jan. 13	4.3	1,280	1951	Dec. 7	5.60	2,830	1970	Oct. 2	4.69	1,800
1933	Oct. 16	10.04	6,130	1952	Mar. 11	7.02	4,490	1971	Oct. 11	5.90	2,680
1934	Mar. 3	4.0	1,070	1953	Feb. 21	5.39	2,620	1972	May 3	5.85	2,640
1935	Jan. 8	8.80	3,700	1954	Jan. 22	4.61	1,900	1973	May 28	10.74	6,550
1936	Apr. 6	7.02	2,780	1955	Dec. 29	4.44	1,760	1974	Dec. 26	6.26	2,970

03500000 LITTLE TENNESSEE RIVER NEAR PRENTISS, N.C.

LOCATION.--Lat 35°08'57", long 83°22'46", Macon County, on left bank 600 ft upstream from Owenby Branch, 0.5 mi upstream from Cartoogechaye Creek, 2 mi north of Prentiss, and at mile 119.5.

DRAINAGE AREA.--140 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 2,008.39 ft above mean sea level (levels by Tennessee Valley Authority). Since Oct. 1, 1954, auxiliary water-stage recorder 0.5 mile downstream from base gage at same datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements. Fall used as a factor in computing discharge since Jan. 4, 1952; prior to Jan. 4, 1952, some peaks may be as much as 10 percent in error.

REMARKS.--Flood of October 1898 from profiles by Tennessee Valley Authority.

FLOOD-FREQUENCY DATA (ft^3/s)
30 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 3,370	-
Q_5	= 5,050	-
Q_{10}	= 6,250	-
Q_{25}	= 7,850	-
Q_{50}	= 9,100	-
Q_{100}	= 10,400	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.528
Standard deviation	= 0.208
Station skew	= 0.359
Regional or weighted skew	= 0.024

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1899	Oct. -	15	(b)	1955	May 23	8.15	3,150	1965	Oct. 4	17.30	12,200
1945	Sept.17	4.33	1,300	1956	Apr. 16	9.09	3,410	1966	Feb. 13	12.91	6,540
1946	Feb. 10	9.33	3,880	1957	Apr. 5	9.76	3,750	1967	June 4	11.80	5,890
1947	Jan. 20	9.20	3,250	1958	Nov. 19	6.45	2,310	1968	Mar. 12	8.46	3,270
1948	Feb. 14	6.30	2,270	1959	Jan. 22	7.51	2,520	1969	Feb. 3	6.77	2,340
1949	June 16	12.85	5,900	1960	Feb. 11	5.36	1,900	1970	Dec. 31	5.47	1,880
1950	Mar. 14	8.03	3,180	1961	Feb. 25	9.47	3,310	1971	Feb. 22	4.42	1,510
1951	Dec. 7	5.6	2,000	1962	Dec. 12	10.17	4,190	1972	Dec. 7	7.02	2,570
1952	Mar. 11	10.54	5,190	1963	Mar. 13	9.04	3,710	1973	May 28	12.45	6,700
1953	Feb. 21	9.64	4,060	1964	Sept.29	9.61	3,980	1974	Apr. 4	10.11	4,310
1954	Jan. 22	9.28	3,430								

03500500 CULLASAJA RIVER AT HIGHLANDS, N.C.

LOCATION.--Lat 35°04'14", long 83°13'57", Macon County, on right bank 0.6 mi downstream from Highlands municipal dam, 1.0 mi downstream from Big Creek, 2.3 mi northwest of Highlands, and at mile 17.8.

DRAINAGE AREA.--14.9 mi^2 (14.4 mi^2 at site used 1927-31).

GAGE.--Water-stage recorder. On crest of Highlands municipal dam 0.6 mi upstream, at datum 230.22 ft higher prior to Aug. 29, 1931. Datum of gage is 3,373.63 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 1,800 ft^3/s and extended above on basis of flow-over-dam measurements at 2,200 and 5,100 ft^3/s.

HISTORICAL DATA.--The maximum stage known is that of Aug. 30, 1940. Flood of 1916 reached a stage of 7 ft, estimated by Tennessee Valley Authority.

REMARKS.--Considerable regulation at low flow caused by Sequoyah Lake on Cullasaja River (usable capacity, 230 acre-ft) at mile 18.4 since 1926.

FLOOD-FREQUENCY DATA (ft^3/s)
44 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	= 971	-
Q_5	= 1,530	-
Q_{10}	= 1,980	-
Q_{25}	= 2,620	-
Q_{50}	= 3,170	-
Q_{100}	= 3,770	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 2.997
Standard deviation	= 0.231
Station skew	= 1.025
Regional or weighted skew	= 0.260

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1928	Aug. 15	5.13	2,420	1943	Dec. 29	3.85	1,200	1958	Nov. 19	3.27	860
1929	Sept.25	4.15	1,120	1944	Mar. 29	2.57	442	1959	Jan. 21	3.60	1,080
1930	Mar. 7	3.31	382	1945	Apr. 17	2.70	504	1960	Oct. 9	3.82	1,230
1931	Apr. 22	3.59	596	1946	Jan. 7	3.20	760	1961	Feb. 25	3.38	1,040
1932	Jan. 13	3.02	680	1947	Jan. 20	3.13	724	1962	Dec. 12	3.34	1,000
1933	Apr. 16	3.10	730	1948	Sept. 5	4.10	1,420	1963	Mar. 12	3.11	786
1934	Mar. 3	2.81	590	1949	June 16	5.06	2,090	1964	Sept.29	4.36	1,850
1935	Jan. 8	3.05	738	1950	Mar. 13	3.11	761	1965	Oct. 4	7.34	3,750
1936	Sept.30	4.14	1,360	1951	Dec. 7	3.18	802	1966	Feb. 13	5.00	2,250
1937	Dec. 31	2.95	692	1952	Mar. 11	4.40	1,630	1967	June 4	4.04	1,630
1938	Oct. 18	3.55	990	1953	Feb. 21	3.91	1,290	1968	Mar. 12	3.44	1,090
1939	Nov. 5	3.20	805	1954	Jan. 22	2.89	618	1969	Jan. 20	2.74	569
1940	Aug. 30	9.35	5,100	1955	Dec. 29	3.40	945	1970	Dec. 30	3.10	815
1941	July 7	3.46	982	1956	Apr. 16	3.30	880	1971	Feb. 22	2.75	575
1942	Sept.27	3.05	762	1957	Apr. 4	3.37	926				

03545000 HIWASSEE RIVER AT PRESELEY, GA.

LOCATION.--Lat 34°54'17", long 83°42'01", Towns County, on left bank 0.1 mi downstream from Cynth Creek, 0.5 mi southeast of Presley, 1.4 mi upstream from Hightower Creek, and at mile 133.9.

DRAINAGE AREA.--45.5 mi2.

GAGE.--Water-stage recorder. Datum of gage is 1,932.69 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,000 ft^3/s and extended above on basis of slope-area and contracted-opening measurements at 3,660 and 5,700 ft^3/s, respectively. Bankfull stage and discharge, 7 ft and 1,800 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
33 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	2,050	2,080
Q_5	3,180	3,270
Q_{10}	3,990	4,120
Q_{25}	5,110	5,300
Q_{50}	6,000	6,260
Q_{100}	6,910	7,190

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.312
Standard deviation	0.225
Station skew	0.190
Regional or weighted skew	0.024

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1942	Feb. 16	6.85	1,330	1953	Feb. 21	10.74	2,720	1964	Mar. 26	7.19	1,540
1943	Dec. 29	10.17	2,600	1954	Jan. 16	9.00	1,960	1965	Oct. 4	12.63	4,110
1944	Mar. 29	6.30	1,170	1955	Feb. 6	6.78	1,220	1966	Feb. 13	13.38	4,620
1945	Sept.14	5.42	750	1956	Apr. 15	8.82	1,900	1967	Aug. 23	12.10	3,760
1946	Feb. 10	9.70	2,040	1957	Apr. 5	8.64	2,040	1968	Mar. 12	9.53	2,380
1947	Jan. 20	7.85	1,510	1958	Dec. 20	6.47	1,310	1969	Jan. 20	5.94	1,480
1948	Feb. 14	6.22	1,020	1959	May 31	10.82	3,020	1970	Dec. 30	6.36	1,630
1949	June 16	12.80	3,660	1960	Apr. 3	5.36	978	1971	July 30	4.69	1,090
1950	Mar. 13	10.44	2,540	1961	Feb. 25	12.41	3,970	1972	Dec. 7	6.42	1,650
1951	Dec. 7	7.10	1,310	1962	Dec. 12	10.23	2,700	1973	May 28	13.96	5,080
1952	Mar. 11	15.24	5,700	1963	Mar. 12	8.84	2,110	1974	Dec. 26	8.72	2,390

03550000 VALLEY RIVER AT TOMOTLA, N.C.

LOCATION.--Lat 35°08'20", long 83°58'50", Cherokee County, on right bank 15 ft downstream from bridge on secondary road 1373 at Tomotla, 0.2 mi upstream from Rogers Creek, 4.7 mi northeast of Murphy, and at mile 6.6.

DRAINAGE AREA.--104 mi2.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,556.46 ft above mean sea level (levels by Tennessee Valley Authority). Prior to May 11, 1934, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 5,800 ft^3/s and extended above on basis of slope-conveyance study at 18,000 ft^3/s.

HISTORICAL DATA.--The maximum stage known is that of September 1898.

REMARKS.--Peak stages for September 1898 and November 1906 from floodmarks by Tennessee Valley Authority.

FLOOD-FREQUENCY DATA (ft^3/s)
65 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	4,040	-
Q_5	6,300	-
Q_{10}	8,000	-
Q_{25}	10,400	-
Q_{50}	12,300	-
Q_{100}	14,400	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.612
Standard deviation	0.225
Station skew	0.260
Regional or weighted skew	0.139

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1898	Sept. -	21.2	20,000	1932	Jan. 30	10.0	3,650	1954	Jan. 16	15.25	6,450
1905	July 12	9.6	3,430	1933	Dec. 28	15.06	6,850	1955	Feb. 6	11.44	3,860
1906	July 14	8.0	2,660	1934	Mar. 3	13.01	5,200	1956	Apr. 16	11.22	3,750
1907	Nov. 19	20.5	18,000	1935	Mar. 12	8.50	2,900	1957	Jan. 31	16.70	8,320
1908	Feb. 15	7.2	2,290	1936	Feb. 4	16.35	8,100	1958	Feb. 6	9.63	2,980
1909	Feb. 15	10.5	3,880	1937	Jan. 3	10.30	3,540	1959	Jan. 21	10.66	3,850
1915	Dec. 25	11.0	4,000	1938	Apr. 8	9.58	3,240	1960	Nov. 28	8.57	2,520
1916	Dec. 18	10.2	3,650	1939	Feb. 15	10.36	3,330	1961	Feb. 25	12.19	4,310
1917	Mar. 4	15.9	7,610	1940	Apr. 19	6.02	1,440	1962	Dec. 18	14.40	6,010
1919	Dec. 22	11.0	4,050	1941	July 16	4.52	915	1963	Mar. 6	15.25	6,800
1920	Apr. 2	14.6	6,480	1942	Feb. 17	8.27	2,400	1964	Apr. 7	14.18	5,810
1921	Dec. 14	10.6	3,950	1943	Dec. 29	14.12	5,500	1965	Mar. 26	13.78	5,460
1922	Jan. 21	15.5	7,250	1944	Feb. 27	11.49	3,900	1966	Feb. 13	15.11	6,660
1923	Dec. 17	10.35	3,820	1945	Feb. 17	9.38	2,870	1967	May 7	8.61	2,540
1924	Jan. 3	6.6	2,030	1946	Feb. 10	14.25	5,570	1968	Dec. 18	10.97	3,620
1925	Dec. 8	5.8	1,670	1947	Jan. 20	14.90	6,130	1969	Feb. 2	14.04	5,690
1926	Jan. 18	6.8	2,120	1948	Feb. 12	10.00	3,150	1970	Dec. 31	9.95	3,130
1927	Dec. 25	8.5	2,900	1949	Nov. 28	14.65	5,920	1971	Jan. 23	11.11	3,700
1928	Mar. 30	12.74	5,050	1950	Jan. 19	14.05	5,460	1972	Jan. 10	11.15	3,720
1929	Apr. 28	10.0	3,650	1951	Mar. 29	15.70	6,910	1973	May 28	11.55	3,930
1930	Nov. 15	7.9	2,620	1952	Dec. 20	12.22	4,330	1974	Dec. 31	14.29	5,910
1931	Apr. 4	6.30	1,900	1953	Feb. 21	11.35	3,820				

03550500 NOTTELY RIVER NEAR BLAIRSVILLE, GA.

LOCATION.--Lat 34°50'28", long 83°56'10", Union County, on left bank 250 ft upstream from county road bridge, 0.1 mi downstream from Arkaqua Creek, 0.2 mi upstream from Akins Creek, 2.7 mi southeast of Blairsville, and at mile 44.3.

DRAINAGE AREA.--74.8 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 1,812.47 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 3,400 ft^3/s and extended above on basis of contracted-opening measurements at 4,950, 8,500, and 12,900 ft^3/s. Bankfull stage and discharge, 11 ft and 3,900 ft^3/s.

HISTORICAL DATA.--Peak of August 1967 was highest since 1907, based on nearby gaging stations in this area.

FLOOD-FREQUENCY DATA (ft^3/s)

32 YEARS OF RECORD	LOG-PEARSON TYPE III	WEIGHTED AVERAGE
Q_2 =	3,480	3,480
Q_5 =	5,150	5,200
Q_{10} =	6,350	6,420
Q_{25} =	7,930	8,080
Q_{50} =	9,170	9,410
Q_{100} =	10,500	10,700

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean =	3.542
Standard deviation =	0.202
Station skew =	0.682
Regional or weighted skew =	0.047

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1943	Dec. 29	8.85	2,860	1954	Jan. 16	11.05	4,080	1965	Oct. 4	16.28	7,950
1944	Mar. 29	6.10	1,840	1955	May 22	11.59	4,430	1966	Feb. 13	14.22	5,640
1945	Sept.16	4.82	1,040	1956	Apr. 15	11.75	4,530	1967	Aug. 23	21.04	a12,900
1946	Feb. 10	11.18	4,160	1957	Apr. 5	10.30	3,630	1968	Mar. 12	9.10	3,060
1947	Jan. 20	9.17	3,100	1958	Dec. 20	7.66	2,310	1969	June 15	10.97	3,890
1948	Feb. 12	6.88	1,980	1959	Jan. 21	10.66	3,850	1970	Dec. 30	8.83	2,940
1949	Jan. 5	8.86	2,900	1960	Feb. 10	7.15	2,120	1971	July 31	8.64	2,860
1950	Mar. 13	11.43	4,320	1961	Feb. 25	13.29	4,950	1972	Dec. 7	7.14	2,180
1951	Mar. 29	7.27	2,140	1962	Dec. 12	12.05	4,300	1973	May 28	16.04	7,230
1952	Mar. 11	16.78	8,500	1963	Apr. 30	9.88	3,300	1974	Dec. 5	10.71	3,780
1953	Feb. 21	10.00	3,460	1964	Mar. 26	9.43	3,100				

03553500 NOTTELY RIVER AT NOTTELY DAM, NEAR IVYLOG, GA.

LOCATION.--Lat 34°57'55", long 84°05'25", Union County, on right bank 1,600 ft downstream from Rhodes Branch, 0.6 mi downstream from Nottely Dam, 0.6 mi upstream from Dooley Creek, 1.8 mi northwest of Ivylog, and at mile 20.4.

DRAINAGE AREA.--215 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 1,599.21 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 2,000 ft^3/s and extended above on basis of flow over dam computation at 5,240 and 8,110 ft^3/s. Bankfull stage and discharge, 10 ft and 6,400 ft^3/s.

REMARKS.--Peak discharges are regulated by Nottely Lake (maximum flood-control storage, 162,000 acre-ft).

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1942	Sept.28	5.79	2,420	1953	Aug. 19	4.95	1,800	1964	May 3	6.63	3,240
1943	Oct. 1	5.56	2,270	1954	May 5	5.58	2,290	1965	July 24	5.11	1,960
1944	May 25	6.34	2,830	1955	May 23	6.54	3,130	1966	Dec. 21	4.94	1,840
1945	Sept.25	5.56	2,370	1956	Aug. 14	4.91	1,800	1967	Oct. 13	4.95	1,820
1946	Feb. 11	5.86	2,580	1957	Mar. 29	5.28	2,070	1968	Dec. 17	5.12	1,960
1947	Apr. 18	4.98	1,810	1958	Jan. 3	5.20	1,990	1969	Jan. 9	5.79	2,490
1948	June 3	5.82	2,490	1959	Mar. 25	5.00	1,830	1970	July 30	5.18	2,000
1949	Sept.12	5.95	2,600	1960	Feb. 4	5.05	1,870	1971	Mar. 24	4.95	1,820
1950	Feb. 14	5.82	2,490	1961	Sept.27	4.94	1,840	1972	Jan. 12	5.16	1,990
1951	Jan. 8	5.58	2,290	1962	Dec. 24	5.11	1,960	1973	May 28	11.63	8,110
1952	May 12	4.57	1,530	1963	Feb. 22	4.96	1,850	1974	Nov. 17	5.17	2,000

03558000 TOCCOA RIVER NEAR DIAL, GA.

LOCATION.--Lat 34°47'24", long 84°14'24", Fannin County, on right bank 1.4 mi upstream from Shallowford Bridge, 1.8 mi upstream from Stanley Creek, 2.5 mi northwest of Dial, and at mile 69.1.

DRAINAGE AREA.--177 mi².

GAGE.--Water-stage recorder. Datum of gage is 1,792.08 ft above mean sea level. Prior to Oct. 1, 1927, water-stage recorder and Oct. 1, 1927, to Nov. 16, 1928, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 5,000 ft³/s and extended above on basis of slope-area and contracted-opening measurements at 10,800 and 14,700 ft³/s, respectively. Bankfull stage and discharge, 8 ft and 6,000 ft³/s.

HISTORICAL DATA.--Peak stage of 1907 based on information from Tennessee Valley Authority and is reported to be the highest since about 1840.

REMARKS.--Discharges listed for 1913-15 and 1917-19 are maximum daily.

FLOOD-FREQUENCY DATA (ft^3/s)
63 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	4,490	4,560
Q_5	7,040	7,230
Q_{10}	8,940	9,220
Q_{25}	11,600	12,000
Q_{50}	13,700	14,200
Q_{100}	16,000	16,600

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.656
Standard deviation	0.229
Station skew	0.087
Regional or weighted skew	0.087

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1907	Nov. -	18.5	a28,000	1933	Dec. 28	8.10	6,190	1954	Jan. 16	9.35	7,840
1913	Mar. 14	6.6	5,140	1934	Mar. 3	7.05	4,810	1955	Mar. 22	7.30	5,170
1914	Apr. 14	3.05	1,260	1935	Mar. 12	4.05	1,900	1956	Apr. 16	6.87	4,650
1915	Dec. 25	4.6	2,680	1936	Apr. 2	9.60	8,140	1957	Apr. 5	7.56	5,490
1916	July 9	10.0	9,200	1937	Jan. 3	5.66	3,340	1958	Dec. 20	5.55	3,190
1917	Mar. 4	6.47	4,700	1938	Apr. 8	8.28	6,450	1959	Jan. 21	5.88	3,530
1918	Jan. 28	3.85	1,880	1939	Feb. 3	5.60	3,240	1960	July 27	5.46	3,100
1919	Dec. 22	7.60	6,080	1940	Aug. 13	5.34	2,940	1961	Feb. 25	9.00	7,360
1920	Apr. 2	7.20	5,560	1941	July 5	6.59	4,330	1962	Dec. 12	8.94	7,270
1921	Feb. 10	9.25	8,220	1942	Feb. 17	6.22	3,880	1963	Apr. 30	7.88	5,810
1922	Jan. 21	8.00	6,600	1943	Dec. 29	6.97	4,810	1964	Mar. 26	8.30	6,370
1923	Dec. 17	5.5	3,160	1944	Feb. 27	5.43	3,040	1965	Oct. 4	10.78	10,100
1924	Mar. 5	6.00	3,660	1945	Sept.16	3.80	1,610	1966	Feb. 13	8.63	6,830
1925	Dec. 31	4.45	2,450	1946	Feb. 10	9.13	7,490	1967	Aug. 23	13.73	14,700
1926	Jan. 18	4.42	2,400	1947	Jan. 20	8.08	6,160	1968	Mar. 12	5.10	2,590
1927	Dec. 28	5.40	3,060	1948	Feb. 12	6.33	4,020	1969	Feb. 2	6.22	3,720
1928	Mar. 30	4.05	1,980	1949	Aug. 17	8.13	6,230	1970	Dec. 31	5.76	3,230
1929	Sept.25	7.03	4,810	1950	Mar. 13	8.25	6,380	1971	July 31	4.93	2,440
1930	Nov. 15	5.60	3,260	1951	Mar. 29	9.04	7,410	1972	Dec. 7	5.82	3,290
1931	Apr. 4	4.57	2,400	1952	Mar. 11	11.20	10,800	1973	May 28	9.95	8,720
1932	Dec. 14	8.05	6,060	1953	Feb. 21	7.03	4,850	1974	Dec. 31	7.07	4,760

03559000 TOCCOA RIVER NEAR BLUE RIDGE, GA.

LOCATION.--Lat 34°53'14", long 84°17'07", Fannin County, on left bank 0.4 mi downstream from Blue Ridge Dam of Tennessee Valley Authority, 2.2 mi west of Morganton, 2.5 mi northeast of Blue Ridge, and at mile 52.5.

DRAINAGE AREA.--233 mi².

GAGE.--Water-stage recorder. Datum of gage is 1,538.77 ft above mean sea level. Nonrecording gage at site 1.1 mi upstream prior to 1914; at site 150 ft downstream from previous gage 1914 to April 17, 1926, at datum 5.60 ft higher; at site 800 ft upstream from present gage at datum 0.44 ft higher April 18, 1926, to April 1, 1931.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 5,000 ft³/s and extended above on basis of flow over dam computation at 10,300 ft³/s. Bankfull stage and discharge, 10 ft and 5,800 ft³/s.

HISTORICAL DATA.--Peak of 1907 was highest since 1840 based on information furnished by Tennessee Valley Authority.

REMARKS.--Peak discharges are regulated by storage in Blue Ridge Lake (maximum flood-control storage, 184,000 acre-ft) since Dec. 6, 1930. Discharges listed for 1901-02, 1915, 1918-20 are maximum daily. Peak discharge for 1907 estimated.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1901	Aug. 22	14.0	15,500	1933	Dec. 28	7.40	3,400	1954	June 4	5.14	1,900
1902	Dec. 14	12.0	12,300	1934	June 26	5.14	1,810	1955	July 20	5.10	1,870
1907	Nov. 18	-	a34,000	1935	Oct. 22	4.72	1,600	1956	June 25	5.25	1,970
1914	Apr. 14	5.40	2,330	1936	Apr. 6	8.04	3,900	1957	Apr. 24	5.32	2,010
1915	Dec. 4	6.22	2,990	1937	Apr. 29	5.50	2,100	1958	May 12	5.14	1,900
1916	July 9	13.0	13,900	1938	July 23	9.31	4,880	1959	Oct. 3	4.89	1,730
1917	Mar. 4	10.2	9,410	1939	Mar. 4	5.04	1,700	1960	May 26	5.14	1,900
1918	Jan. 28	5.3	2,220	1940	Sept.26	5.16	1,820	1961	Apr. 18	5.56	2,170
1919	Dec. 22	8.3	6,370	1941	Oct. 12	5.09	1,760	1962	Apr. 11	5.64	2,220
1920	Apr. 2	11.9	12,100	1942	Sept. 1	5.40	1,940	1963	July 20	5.35	2,030
1921	Feb. 10	11.7	11,800	1943	Jan. 18	5.69	2,140	1964	Mar. 26	7.77	3,740
1922	Jan. 21	10.4	9,730	1944	May 25	5.37	2,020	1965	Oct. 12	6.55	2,780
1923	Dec. 17	8.6	6,850	1945	Oct. 2	5.07	1,800	1966	May 28	5.42	2,000
1924	Mar. 5	8.3	6,370	1946	Feb. 12	9.41	5,160	1967	Aug. 27	7.61	3,610
1925	Dec. 31	5.0	1,930	1947	June 17	5.12	1,840	1968	Dec. 18	5.36	1,960
1926	Jan. 18	6.2	3,070	1948	Apr. 20	5.04	1,830	1969	June 27	5.14	1,810
1927	Dec. 28	8.46	4,570	1949	Sept. 6	5.35	2,030	1970	May 24	5.12	1,810
1928	Mar. 30	8.81	4,380	1950	Mar. 13	11.40	8,140	1971	Aug. 2	5.35	1,960
1929	May 7	9.71	5,060	1951	June 13	5.34	2,030	1972	Apr. 11	5.37	1,970
1930	Nov. 15	7.40	3,330	1952	Mar. 23	8.65	4,520	1973	May 28	13.61	10,300
1931	June 18	5.4	2,080	1953	May 25	5.29	1,970	1974	Apr. 4	5.37	1,970
1932	July 5	6.3	2,600								

03559500 OCOEE RIVER AT COPPER HILL, TENN.

LOCATION.--Lat 34°59'29", long 84°22'36", Polk County, on right bank 0.2 mi upstream from Fightingtown Creek and 4 mi downstream from Copper Hill.

DRAINAGE AREA.--352 mi^2.

GAGE.--Nonrecording prior to Oct. 31, 1942; recording thereafter. At site 0.4 mi upstream at datum 0.72 ft higher Mar. 21, 1903, to Dec. 31, 1913. At site one-eighth mi downstream at datum 0.58 ft lower Nov. 12, 1914, to Aug. 27, 1925. Datum of gage is 1,445.28 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 8,000 ft^3/s and extended above.

HISTORICAL DATA.--Flood of Nov. 19, 1906, is highest since about 1840, from reports by Tennessee Valley Authority.

REMARKS.--Peak discharges are regulated by storage in Blue Ridge Lake (maximum flood-control storage, 184,000 acre-ft) since Dec. 6, 1930. Peak discharges for 1886, 1898-99, 1936, and 1938 from reports by Tennessee Valley Authority; adjusted to present site and datum. Peak discharges for 1904-05 and 1912-14 are maximum daily. Peak discharges for 1907 and 1909 are estimated.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1886	Mar. -	12	18,000	1923	Dec. 17	6.0	-	1954	Jan. 16	6.36	6,100
1898	Sept. -	16	a30,000	1924	Mar. 5	5.8	-	1955	Feb. 6	5.61	4,900
1899	Mar. 19	9	10,000	1925	Dec. 8	4.2	-	1956	Apr. 16	6.19	6,080
1904	Mar. 23	3.6	2,330	1928	Mar. 30	8	8,500	1957	Feb. 1	6.29	5,480
1905	Jan. 12	6.4	5,710	1936	Feb. 4	8.5	9,000	1958	Apr. 29	6.49	6,350
1906	Jan. 23	6.9	6,580	1938	July 23	9.0	10,000	1959	Aug. 19	4.63	3,260
1907	Nov. 19	18.5	a35,000	1943	Jan. 18	5.54	4,570	1960	July 10	4.73	3,460
1908	Feb. 15	7.1	6,950	1944	Mar. 29	4.46	2,720	1961	Feb. 25	5.35	4,260
1909	Mar. 13	12.5	15,000	1945	Feb. 17	4.20	2,580	1962	Dec. 18	6.16	5,380
1910	May 21	4.8	3,510	1946	Feb. 10	9.00	12,100	1963	Mar. 12	7.44	7,880
1912	Mar. 29	7.7	8,100	1947	Jan. 20	7.03	6,620	1964	Mar. 26	6.64	6,250
1913	Mar. 14	8.0	8,700	1948	Feb. 12	4.40	2,810	1965	Oct. 4	9.42	11,900
1916	July 10	10.0	12,500	1949	Nov. 28	7.23	7,200	1966	Mar. 4	5.06	4,120
1917	Mar. 4	9.5	11,500	1950	Mar. 13	7.94	10,800	1967	Aug. 27	5.50	5,000
1920	Apr. 2	11.1	15,500	1951	Mar. 29	9.83	10,500	1968	Dec. 18	5.31	4,620
1921	Dec. 14	6.58	-	1952	Mar. 23	6.05	6,120	1969	Feb. 2	5.19	4,380
1922	Jan. 21	7.9	-	1953	July 22	3.97	2,420	1970	June 5	5.20	4,400

03560000 FIGHTINGTOWN CREEK AT MCCAYSVILLE, GA.

LOCATION.--Lat 34°58'53", long 84°23'12", Fannin County, on right bank 0.2 mi upstream from highway bridge, 0.9 mi upstream from mouth, and 0.9 mi west of McCaysville.

DRAINAGE AREA.--70.9 mi2.

GAGE.--Water-stage recorder. Datum of gage is 1,449.75 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 5,400 ft^3/s. Bankfull stage and discharge, 9 ft and 3,200 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
31 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	2,470	2,540
Q_5 =	3,520	3,730
Q_{10} =	4,240	4,590
Q_{25} =	5,190	5,730
Q_{50} =	5,900	6,630
Q_{100} =	6,670	7,550

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.392
Standard deviation	=	0.183
Station skew	=	0.473
Regional or weighted skew	=	0.038

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1943	Dec. 29	6.24	1,590	1954	Jan. 16	9.25	3,380	1964	Mar. 15	7.90	2,580
1944	Mar. 29	7.04	1,890	1955	Feb. 5	8.12	2,600	1965	Oct. 4	9.42	3,490
1945	Feb. 13	6.28	1,630	1956	Apr. 16	8.93	3,150	1966	Feb. 13	6.48	1,950
1946	Feb. 10	11.25	5,180	1957	Feb. 1	9.85	3,800	1967	July 7	5.48	1,500
1947	Jan. 20	11.32	5,280	1958	Apr. 28	8.27	2,690	1968	Nov. 1	6.08	1,770
1948	Feb. 12	6.28	1,690	1959	Jan. 21	5.72	1,520	1969	Feb. 2	7.36	2,340
1949	Nov. 28	11.17	5,140	1960	Nov. 28	5.18	1,330	1970	Dec. 31	7.31	2,320
1950	Oct. 30	8.56	2,900	1961	June 21	7.17	2,260	1971	July 30	5.22	1,380
1951	Mar. 29	11.92	5,420	1962	Dec. 12	8.68	3,000	1972	May 14	6.16	1,810
1952	Mar. 11	7.75	2,380	1963	Mar. 12	10.26	4,090	1973	May 28	5.90	1,680
1953	Feb. 21	6.86	1,940								

03566420 WOLFTEVER CREEK NEAR OOLTEWAH, TENN.

LOCATION.--Lat 35°03'43", long 85°03'59", Hamilton County, on right downstream wingwall of county road bridge, 0.6 mi downstream from Southern Railway bridge, 0.9 mi south of Ooltewah, 1.6 mi upstream from Little Wolftever Creek, and at mile 16.1.

DRAINAGE AREA.--18.8 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 755.08 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	1,890	-
Q_5 =	2,990	-
Q_{10} =	3,790	-
Q_{25} =	4,900	-
Q_{50} =	5,780	-
Q_{100} =	6,700	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	3.276
Standard deviation	=	0.236
Station skew	=	1.727
Regional or weighted skew	=	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Apr. 7	8.32	3,210	1968	Dec. 18	7.30	1,660	1972	May 14	7.45	1,820
1965	Mar. 26	7.86	2,420	1969	Feb. 2	7.24	1,610	1973	Mar. 16	9.75	7,300
1966	Feb. 13	6.19	1,040	1970	Mar. 2	7.09	1,490	1974	Dec. 26	6.99	1,430
1967	July 7	6.56	1,210	1971	Feb. 5	7.07	1,480				

03566660 SUGAR CREEK NEAR RINGGOLD, GA.

LOCATION.--Lat 34°58'14", long 85°01'29", Catoosa County, at culvert on secondary road 1286, 6 mi northeast of Ringgold.

DRAINAGE AREA.--4.44 mi^2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 626 ft^3/s and extended above on basis of culvert and flow over the road computations to 2,620 ft^3/s.

HISTORICAL DATA.--Peak of March 1973 is thought to be highest since 1867, based on records of Tennessee Valley Authority for this area.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
9 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	526	521
Q_5 =	756	758
Q_{10} =	914	922
Q_{25} =	1,120	1,140
Q_{50} =	1,270	1,300
Q_{100} =	1,430	1,470

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	=	2.721
Standard deviation	=	0.187
Station skew	=	-
Regional or weighted skew	=	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1966	Mar. 4	4.42	410	1969	Feb. 2	4.72	484	1972	May 13	5.05	578
1967	July 7	3.89	305	1970	Apr. 2	5.10	593	1973	Mar. 16	7.77	a2,620
1968	Dec. 18	5.36	674	1971	Feb. 5	4.86	523	1974	Dec. 31	4.85	520

03566685 LITTLE CHICKAMAUGA CREEK NEAR RINGGOLD, GA.

LOCATION.--Lat 34°50'32", long 85°08'28", Catoosa County, at State Highway 151, 5.2 mi south of Ringgold.

DRAINAGE AREA.--35.5 mi2.

GAGE.--Crest-stage gage prior to Dec. 14, 1967; flood-stage thereafter.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 7,000 ft3/s. Bankfull stage and discharge, 7 ft and 1,300 ft3/s.

HISTORICAL DATA.--Peak of March 1973 is thought to be highest since 1867, based on records of Tennessee Valley Authority for this area.

FLOOD-FREQUENCY DATA (ft^3/s)
11 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	1,880	1,920
Q_5	3,030	3,100
Q_{10}	3,860	3,920
Q_{25}	4,960	5,060
Q_{50}	5,820	5,960
Q_{100}	6,700	6,800

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.268
Standard deviation	0.252
Station skew	-0.154
Regional or weighted skew	-0.154

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1964	Mar. 23	9.09	4,200	1968	Dec. 18	7.46	1,630	1972	May 14	7.41	1,550
1965	Mar. 26	8.40	2,940	1969	Feb. 2	7.56	1,800	1973	Mar. 16	10.19	a7,120
1966	Mar. 4	8.52	3,120	1970	Apr. 2	6.65	800	1974	Nov. 28	8.56	3,180
1967	July 7	7.24	1,300	1971	Feb. 5	6.51	725				

03566687 LITTLE CHICKAMAUGA CREEK TRIBUTARY NEAR RINGGOLD, GA.

LOCATION.--Lat 34°51'36", long 85°08'40", Catoosa County, at culvert on State Highway 151, 4.2 mi south of Ringgold.

DRAINAGE AREA.--3.36 mi2.

GAGE.--Flood-stage, rainfall recorder.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 590 ft3/s and extended above on basis of culvert computations.

HISTORICAL DATA.--Peak of March 1973 is thought to be highest since 1867, based on records of Tennessee Valley Authority for this area.

REMARKS.--Flood-frequency figures given are weighted, based on observed and synthetic data.

FLOOD-FREQUENCY DATA (ft^3/s)
10 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	335	341
Q_5	529	542
Q_{10}	670	689
Q_{25}	864	888
Q_{50}	1,020	1,050
Q_{100}	1,180	1,210

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	2.525
Standard deviation	0.235
Station skew	-
Regional or weighted skew	1.069

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1965	Mar. 26	3.82	487	1969	Feb. 2	3.41	353	1972	May 13	3.56	398
1966	Mar. 3	2.88	195	1970	Apr. 2	3.04	242	1973	Mar. 16	9.13	a1,970
1967	July 6	2.97	221	1971	June 29	4.12	592	1974	Dec. 31	3.21	293
1968	Dec. 22	3.17	281								

03566700 SOUTH CHICKAMAUGA CREEK AT RINGGOLD, GA.

LOCATION.--Lat 34°55'07", long 85°07'32", Catoosa County, at State Highway 3, at Ringgold.

DRAINAGE AREA.--169 mi^2.

GAGE.--Crest-stage gage. Datum of gage is 739.50 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 10,500 ft^3/s and extended above on basis of contracted-opening measurement at 33,400 ft^3/s. Bankfull stage and discharge, 16 ft and 8,000 ft^3/s.

HISTORICAL DATA.--Peak of March 1973 is thought to be highest since 1867, based on records of Tennessee Valley Authority.

FLOOD-FREQUENCY DATA (ft^3/s)
18 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	9,010	8,520
Q_5 =	13,100	12,300
Q_{10} =	15,900	14,700
Q_{25} =	19,700	18,200
Q_{50} =	22,600	21,000
Q_{100} =	25,700	23,500

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.957
Standard deviation	= 0.191
Station skew	= 0.064
Regional or weighted skew	= 0.064

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1949	Nov. 29	24.50	18,300	1955	May 16	12.80	5,060	1961	Feb. 22	17.20	9,200
1950	Sept. 7	20.70	13,000	1956	Feb. 3	10.80	3,680	1962	Dec. 18	19.20	11,200
1951	Mar. 29	25.30	19,400	1957	Feb. 1	16.40	8,400	1963	Mar. 6	17.00	9,000
1952	Mar. 10	18.50	10,500	1958	Nov. 18	16.00	8,000	1964	Mar. 15	18.93	10,900
1953	Feb. 24	14.00	6,000	1959	Apr. 19	13.60	5,680	1965	Mar. 26	18.83	10,800
1954	Jan. 16	18.00	10,000	1960	Mar. 3	14.60	6,600	1973	Mar. 17	27.39	a33,400

03567000 SOUTH CHICKAMAUGA CREEK BELOW GEORGIA-TENNESSEE STATE LINE

LOCATION.--Lat 34°59'52", long 85°10'36", Catoosa County, on right bank 1,200 ft downstream from Mackey Branch, 1.0 mi downstream from Georgia-Tennessee State line, and 16.3 mi upstream from mouth.

DRAINAGE AREA.--249 mi^2.

GAGE.--Water-stage recorder. Datum of gage is 659.11 ft above mean sea level.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 8,500 ft^3/s.

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1953	Feb. 21	16.72	8,130	1955	Feb. 7	15.33	5,740	1957	Feb. 1	18.77	10,000
1954	Jan. 17	18.78	10,700	1956	Feb. 4	14.57	5,020				

03567200 WEST CHICKAMAUGA CREEK NEAR KENSINGTON, GA.

LOCATION.--Lat 34°48'10", long 85°20'52", Walker County, at State Highway 143, 2.5 mi northeast of Kensington.

DRAINAGE AREA.--73 mi^2.

GAGE.--Crest-stage gage.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements below 9,420 ft^3/s. Bankfull stage and discharge, 15 ft and 5,000 ft^3/s.

FLOOD-FREQUENCY DATA (ft^3/s)
25 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2 =	4,010	3,940
Q_5 =	5,890	5,810
Q_{10} =	7,200	7,070
Q_{25} =	8,920	8,830
Q_{50} =	10,200	10,200
Q_{100} =	11,600	11,500

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	= 3.603
Standard deviation	= 0.198
Station skew	= 0.501
Regional or weighted skew	= 0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1950	Sept. 7	15.70	6,480	1959	Apr. 20	12.50	2,710	1967	May 12	11.50	2,150
1951	Mar. 29	18.50	12,000	1960	Mar. 3	11.50	2,150	1968	Dec. 22	11.78	2,350
1952	Mar. 11	16.60	8,070	1961	Feb. 23	14.20	4,220	1969	Feb. 2	14.52	4,570
1953	Feb. 21	13.20	3,260	1962	Dec. 12	16.40	7,600	1970	Dec. 31	11.52	2,150
1954	Jan. 16	15.40	5,990	1963	Apr. 30	16.70	8,200	1971	Feb. 5	12.32	2,370
1955	Feb. 6	13.20	3,260	1964	Mar. 15	16.69	8,180	1972	May 14	13.93	3,630
1956	Feb. 20	11.80	2,300	1965	Mar. 26	16.37	7,540	1973	Mar. 16	17.50	9,900
1957	Feb. 26	14.40	4,450	1966	Mar. 3	14.69	4,380	1974	Nov. 28	13.18	2,970
1958	Nov. 18	14.20	4,220								

03567500 SOUTH CHICKAMAUGA CREEK NEAR CHICKAMAUGA, TENN.

LOCATION.--Lat 35°00'50", long 85°12'27", Hamilton County, on right bank 0.3 mi upstream from bridge on U.S. Highway 11, 1.5 mi south of Chickamauga, 6.0 mi east of the city hall in Chattanooga, and at mile 12.4.

DRAINAGE AREA.--428 mi².

GAGE.--Water-stage recorder. Datum of gage is 651.12 ft above mean sea level. Prior to Oct. 7, 1930, nonrecording gage at same site and datum.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements. Stage-discharge relation affected by backwater from Tennessee River at high river stages.

FLOOD-FREQUENCY DATA (ft^3/s)
46 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	12,800	-
Q_5	18,500	-
Q_{10}	22,300	-
Q_{25}	27,100	-
Q_{50}	30,700	-
Q_{100}	34,400	-

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	4.103
Standard deviation	0.194
Station skew	-0.453
Regional or weighted skew	-0.127

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1929	Mar. 15	15.95	15,400	1945	Feb. 14	14.87	11,600	1960	Mar. 3	15.42	13,400
1930	Nov. 15	15.90	15,100	1946	Feb. 11	[1]17.65	18,400	1961	Feb. 23	17.27	17,400
1931	Nov. 17	11.25	4,810	1947	Jan. 21	18.35	18,100	1962	Dec. 19	18.70	18,500
1932	Jan. 30	14.8	12,100	1948	Feb. 13	19.19	20,300	1963	May 1	15.95	13,800
1933	Dec. 29	15.43	13,500	1949	Nov. 29	19.83	24,900	1964	Mar. 16	17.32	17,600
1934	Mar. 4	15.95	13,500	1950	Sept. 8	17.61	18,600	1965	Mar. 27	16.88	16,400
1935	Mar. 13	14.90	11,000	1951	Mar. 30	20.73	27,600	1966	Mar. 5	14.70	10,300
1936	Feb. 5	18.47	20,000	1952	Mar. 12	16.59	15,800	1967	July 8	14.57	9,940
1937	Jan. 3	15.30	11,200	1953	Feb. 22	14.60	10,800	1968	Dec. 23	13.89	8,430
1938	Apr. 9	17.36	18,400	1954	Jan. 17	16.24	14,900	1969	Feb. 3	17.64	18,500
1939	Mar. 1	15.14	11,800	1955	Feb. 7	14.20	9,050	1970	Apr. 3	12.71	6,330
1940	Feb. 19	12.18	6,200	1956	Feb. 4	14.31	9,290	1971	Feb. 6	12.95	6,670
1941	Dec. 29	11.00	4,720	1957	Feb. 2	16.68	14,200	1972	May 15	13.77	8,190
1942	Mar. 22	11.48	5,400	1958	Nov. 19	15.90	13,600	1973	Mar. 17	[2]21.70	30,000
1943	Dec. 29	18.65	21,400	1959	Apr. 20	13.02	6,980	1974	Nov. 29	15.51	12,000
1944	Mar. 30	15.58	12,300								

[1] Peak stage of 18.33 ft occurred 01-09-46.
[2] Peak stage of 23.75 ft occurred 03-17-73.

03568500 CHATTANOOGA CREEK NEAR FLINTSTONE, GA.

LOCATION.--Lat 34°58'20", long 85°19'40", Walker County, on right bank 0.8 mi south of Georgia-Tennessee State line, 2.3 mi northeast of Flintstone, and at mile 10.3.

DRAINAGE AREA.--50.6 mi².

GAGE.--Water-stage recorder. Datum of gage is 649.18 ft.

STAGE-DISCHARGE RELATION.--Defined by current-meter measurements.

FLOOD-FREQUENCY DATA (ft^3/s)
24 YEARS OF RECORD

LOG-PEARSON TYPE III		WEIGHTED AVERAGE
Q_2	2,920	2,890
Q_5	4,350	4,320
Q_{10}	5,350	5,310
Q_{25}	6,670	6,660
Q_{50}	7,700	7,750
Q_{100}	8,760	8,770

LOG-PEARSON TYPE III STATISTICS (LOG UNITS)

Mean	3.466
Standard deviation	0.205
Station skew	0.187
Regional or weighted skew	0.000

Peak stage and discharges

Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)	Water year	Date	Gage height (ft)	Discharge (ft^3/s)
1951	Mar. 29	12.90	6,140	1959	Jan. 22	9.68	2,300	1967	May 13	9.83	1,900
1952	Mar. 11	10.72	3,610	1960	Mar. 3	9.00	1,680	1968	Dec. 18	9.43	1,620
1953	Feb. 21	9.36	2,360	1961	Mar. 8	12.04	4,310	1969	Feb. 2	12.33	4,560
1954	Jan. 16	9.90	2,820	1962	Feb. 23	13.48	6,140	1970	Dec. 31	9.63	1,760
1955	Feb. 6	10.44	2,850	1963	Mar. 12	12.09	4,130	1971	Feb. 26	9.52	1,680
1956	Feb. 2	9.56	2,130	1964	Apr. 7	12.72	5,060	1972	May 14	9.86	1,920
1957	Feb. 1	10.43	2,600	1965	Mar. 26	12.12	4,300	1973	Mar. 16	13.59	6,300
1958	Apr. 29	10.04	2,590	1966	Feb. 13	9.00	1,390	1974	Nov. 28	11.85	3,950

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